



SELF - STUDY REPORT

CYCLE 1



Submitted to



National Assessment and Accreditation Council

(An Autonomous Institution of the University Grants Commission)

P. O. Box No. 1075, Nagarbhavi, Bangalore -560072, Karnataka, India

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Declaration by the Head of the Institution

I certify that the data included in this Self Study Report (SSR) are true to the best of my knowledge. This SSR is prepared by the institution after internal discussion, and no part thereof has been outsourced.

I am aware that the Peer Team will validate the information provided in this SSR during their visit.

Date: 28.03.2017

Place: Coimbatore



N. Kathiravan 28/3/17
Principal/Head of the Institution

(Name and Signature with Office seal)

Prof. Dr.N.KATHIRAVAN
PRINCIPAL
ADITHYA INSTITUTE OF TECHNOLOGY
COIMBATORE-641 107.

Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that Adithya Institute of Technology fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 28.03.2017

Place: Coimbatore




Principal/Head of the Institution

(Name and Signature with Office seal)

Prof. Dr. N. KATHIRAVAN
PRINCIPAL
ADITHYA INSTITUTE OF TECHNOLOGY
COIMBATORE-641 107.

Preface

Education is all about transcending text books to provide practical exposure and skill development training. To have holistic teaching and learning, technology should allow for 24/7 access to information and shared digital content. Adithya Institute of Technology (AIT) was started in 2008 by the Adithya Education Trust to provide comprehensive technical education to the budding young students. The Chairman, Er.C.Sugumaran being an industrialist brings with him, his extensive experience and the nitty-gritty of the industry which adds a new dimension to academics. AIT is not just the dream, but the mission to provide quality engineering education to today's youth who will build the nation tomorrow. AIT endeavors to make education, an enlightening experience.

The institution is approved by the All India Council for Technical Education (AICTE), New Delhi and affiliated to Anna University, Chennai. AIT currently offers 6 UG programmes, 5 PG programmes and one MBA Programme. Also, the department of Electronics and Communication Engineering and Mechanical Engineering are recognized as research department by Anna University to offer Ph.D and M.S (By Research) programme.

This Self Study Report (SSR) has been prepared by the support of all faculty members and the management. AIT takes the opportunity to submit the SSR towards accreditation by NAAC. The AIT family invites the NAAC Peer Team to visit the Institution for the first cycle of assessment.

Executive Summary

The Executive Summary section provides an overview of the various processes implemented by the institution to meet 7 criteria of the NAAC requirements.

Criteria I: Curricular Aspects

- AIT has a well documented, transparent system for whole of the Teaching and Learning Methodology. Research centers/special labs/center of excellence are established in all departments to help faculty members engaged in research.
- Adithya Learning Management System developed on the moodle platform is available to the faculty 24X7 to plan and execute the academic related activities efficiently.
- Institution provides individual personal computers to the faculties to execute their work quickly and efficiently. Internet facilities with a speed of 50Mbps are available both through Wired and Wi-Fi for easy access of resources.
- Effective delivery of curriculum is achieved by adopting various methods such as black boards, Power point Presentations and videos (NPTEL).
- Review meetings on internal assessments and University Results are conducted periodically to assess the performance of students. Slow learners are identified based on IA marks and corrective actions are initiated.
- Two Skill development courses per semester are offered to the students during their 3rd, 4th & 5th semester on topics related to current technology by industry experts/Internal trainers.
- Placement training on Soft skills, Technical training, Communication Skills, Quantitative Aptitude, Logical reasoning and Group Discussion Practice are offered during 6th & 7th Semester. For MBA Students training on SAP & IBPS was provided.
- The institution has an online feedback system to obtain feedback from the students for effective monitoring of teaching learning process.

Criteria II: Teaching-Learning and Evaluation

- At Adithya Institute of Technology, students' enrolment is carried out in a transparent manner as per norms. The admission team carries out the admission process in a systematic manner. After getting admitted into the college, students are facilitated by the college to obtain scholarships from the government.

- The college provides an environment which endorses practical knowledge. This is carried out by various special laboratories, application oriented projects, Skill development training programs and product Labs. The overall development of student is taken care of by supplementing curricular activities with co curricular, extracurricular and social responsibility initiatives.
- The teaching learning process at Adithya Institute of technology is dependent on the Adithya LMS which can be accessed by all stake holders 24X7.
- Adithya Institute of Technology recruits competent faculty and also supports them to adapt to the growing trends by encouraging them to participate in various FDP's, Workshops, Seminars and conferences.
- The Institute also organizes FDPs for improving the teaching learning process.
- The evaluation process at Adithya institute of technology is adopted from the affiliating university. The institute also follows its own evaluation procedure for internal assessment which is not just based on internal assessment tests but also LMT and Assignments submitted by the student.
- The learning outcomes are achieved by meticulously following academic calendar of events, feedback during class committee, tutor ward meeting, and a digital based system the Adithya LMS which monitors the process.

Criteria III: Research, Consultancy and Extension

- Department of Electronics and Communication Engineering and Department of Mechanical Engineering have been recognized as approved research Centres and the Institution is trying to establish research Centres for other engineering branches
- Institution Collaborates with INTEL® Intelligent Systems Lab, Intel Technology Private India Limited, Cisco Networking Academy, Cisco Systems USA, and Mission 10x Technology, Learning Centre, WIPRO.
- Research Cell of the Institution is headed by Dr. N.Kathiravan ,Principal having vast Industrial as well as Academic Experience
- Anna University recognized supervisors is awarded to ten Faculty under various disciplines and Faculty are registered under their guide ship for pursuing Ph.D
- More faculty members are participating in enhancement of R & D and Institutional Consultancy activities
- AIT has conducted more than 20 faculty development programmes in the specialized areas of engineering in the last three years
- The Fund Generation through Consultancy Services are considerably

improved within the last three years

- Good Number of Research Oriented Workshops, Conferences both National and International levels are organized.
- Career guidance programmes are conducted for the benefits of +2 students of the schools in nearby remote areas of the college.
- National Level Exhibition World Space Week 2016 Scientists from Satish Dhawan Space Centre (SDSC) the Sriharikota High Altitude Range (SHAR) of Indian Space Research Organization participated in the event and more than 50 Schools and general public visited on the day

Criteria IV: Infrastructure and Learning Resources

- Adithya Institute of technology's primary goal is to establish the Teaching Learning environment by providing well equipped infrastructure facilities.
- Knowledge is imparted in such way to meet global standards up to date in all technological aspects through our Industry collaborated laboratories, innovation centres, additional laboratory equipments beyond the syllabus which enables Industry Integrated Institute.
- The ICT enabled class room facilitates the faculty members and students to experience an effective and interactive teaching-learning atmosphere.
- Tranquil and safe residential space is provided in the hostel for both boys and girls.
- RO plant is placed in order to provide adequate drinking water supply which is placed through 6000 litres per hour capacity.
- Uninterrupted power supply round the clock through High Tension electric supply with 225kVA transformer ably supported by a backup captive generator of 200 kVA.
- OPAC enabled library with good volume of books, publications, e-books / e- journals and access to digital contents like NPTEL videos, lectures, through DELNET, NDL.
- Well organized digital library for facilitating students and faculty members to access digital resources.
- The ICT facilities are provided with six dedicated servers and through nine computing laboratories with all the computers connected with 50 Mbps dedicated internet, licensed software and so on.
- 100Mbps Wi-Fi enabled campus and hostels.

- In order to empower the knacks and leadership qualities of the students are backed to actively take part in different forums like clubs, cells, chapters, sports and so on.
- Periodical maintenance, calibration and upkeep of all laboratories, AC, UPS, reprography, printers, water doctors are done through established Annual Maintenance with its suppliers.
- Team of Securities is placed all over the campus over 24×7 to keep the campus as safest arena. Safety is also backed up with CCTV surveillance.
- Campus witnesses a squeaky clean through the strong support from the Housekeeping department.
- College is well allied with in and around Coimbatore for the radius of 50km.

Criteria V: Student Support and Progression

Student Support

- The meritorious students are encouraged and supported to pursue their engineering degree in the form of Adithya Merit Scholarship Scheme and Free ships.
- The girl students are given with an exemption of Rs.5000/- in their prescribed tuition fee with the objective of empowering women in the society.
- TA and DA are provided for the deserving students to take part in technical, cultural and sports.
- Adithya LMS plays the major role in supporting our student's academic activities and also value added courses covered in SDT makes the student feel confident to face the outside world
- Adithya Institute of Technology provides demand driven skill development program designed to make a student job ready upon completion of academics.
- Students can avail standard resource materials from Digital Library.
- GATE Forum resource material is available in the College Library for the students to pursue their higher studies.
- Special coaching classes are also arranged in the evening to guide slow learners.
- MoU with Benevolent Academy serves the purpose of addressing the students interested to opt for higher studies in foreign universities and overseas placement.

- Alumni students are often invited for pep talks on their area of interest and expertise and their suggestions for improvement are always treated with highest priority and one such evidence is giving options to our students in choosing their skill of interest in learning SDT.
- Industry Associated Laboratories are established and each lab is powered by a Company with which MoU has been signed.
- Three incubation centres have already begun their commercial operation within AIT Campus and offering employment opportunities to our students.
- AIT has set up an Entrepreneurship Development Cell (EDC) along with Wadhwani Foundation through which students are given the chance of appearing for certification programs like WFNEN 100–Orientation Program in Entrepreneurship
- The Institution has well organized clubs in order to provide a platform for the students to serve their skills and talents for the betterment of society.
- Class Committee Meetings and weekly Tutor Ward Meetings are conducted to address the major and minor issues of students and resolving it through follow ups.
- CCTV monitoring is available round the clock and it ensures the non occurrence of any untoward incidents against girl students, lady faculties and other domestic workers.
- Also to look into the academic grievances, a blog is active in Adithya LMS for students' representation.
- Special attention to drop outs is given by HoDs and Principal and the success of changing their minds to continue studies is improved by 50%.

Student Progression

- Students have attained University ranks in various levels
- Substantial growth in the students placement strength and the average salary withdrawn in the last four years
- Students represented their skills in various national and international competitions held at leading institutions and corporate
- Students have contributed their innovative and technological ideas for government initiatives
- Student projects got recognized and awarded in national and international level

- Many products designed considering real time requirements are developed by our students and put in practice at Adithya Institute of Technology

Criteria VI: Governance, Leadership and Management

- The objectives are focused with conformity by aligning all actions of the departments to achieve said objectives towards the vision, mission and quality policy set by the management.
- Very clear and practicable quality improvement plans are thoroughly planned at the top level which includes the action plan with student empowerment and faculty empowerment strategies, and are executed consistently at various levels as per the plan.
- Forward looking management leading the day to day activities of institution with excellent connects with faculty, students and other stakeholders.
- Principal provides directions and ensures quick decisions
- Dynamic Leadership team comprising of Chairman, Principal and Dean- Electrical Sciences with rich experience in their respective fields.
- Every departments has empowered HODs with vast academic experience
- A well defined organization structure with responsibilities makes the functions smoother and faster.
- Periodic reviews are done to analyse the performance of every departments on academic and smooth functioning of the department.
- The IQAC has been formed on 02.01.17 in order to ensure quality practices in a systematic manner by forming quality circles in all the departments comprising the HOD and two senior staffs.
- To ensure Quality policy is disseminated and ensures stringent follow up actions by conducting regular audits.
- The actions plans are made as the framework of quality circles, and are systematically followed in all departments with several faculties as member working for upliftment of the institution to the next levels.

Criteria VII: Innovations and Best Practices

- To the words of Jammie Notter, “Innovation is change that unlocks new value” our institute focus on unlocking new innovations among the students by enriching the teaching-learning process with the aid of Adithya Learning Management System, establishing special

laboratories enabling students to come out with creative ideas and innovative projects.

Innovations

- Adithya LMS facilitates students to access the study materials, assignments, attendance and site news anywhere inside the campus.
- Special laboratories enable students and faculty to involve in research activities.
- The infrastructure is upgraded to improve learning process and access to e-journals.
- Industry Interactions, Clubs and chapters helps in motivating students to become as entrepreneurs.
- Placement training improves employability skills of the student.

Best Practices

- Adithya LMS
- To provide an effective end-to-end academic process this ensures moving towards a paperless environment.
- It aids in content management, assessment and testing, curriculum planning, reports generation, communication and collaboration, site news.
- LMS provides the faculty with a way to create and deliver content, monitor student participation, and assess student performance.
- The site news facilitates students to know about the announcements of various activities including seating arrangements for IA Examinations and Circulars.
- Skill Development Training
- To emphasize our motto “Industry Integrated Institution”, “Center for Career Development” at AIT offers value added courses in different domains to the students.
- The main objectives include:
- To bridge the gap between academic and industry needs.
- To improve the employability skills of AIT students.
- To impart technical knowledge apart from curriculum.
- Practice
- Two value added courses are offered per semester to the students from 3rd to 5th semester.

NAAC - SSR

- The students have the option to choose the courses according to their desire and inclination.
- The students will be examined based on evaluation tests conducted periodically.
- Awarding certificates for toppers and participants based on grading policy.
- At the end of the course, each student should submit a project in terms of product.

SWOC analysis of the institution

Strength

- A developing college with good infrastructural facilities.
- The institution has to its credit various advanced and special laboratories to supplement the practical knowledge of students
- Inclusion of skill development training courses in addition to regular academic courses in all departments
- Institution has various incubation centers within the campus
- In-house Printing Press to necessitate the college imprints.
- Department of Mechanical Engineering and Electronics and Communication Engineering are recognized Research Departments by Anna University, Chennai.
- Work culture is based on ownership model .The work culture model followed is bottom to top hierarchy where each faculty member is encouraged to become the owner of the process.
- Adithya LMS which was developed and customized into our campus by our own faculty and students. LMS also facilitates transparency to get know the progress of teaching learning process.

Weakness

- Many students who are admitted into the institution have completed HSC with Tamil as the medium of instruction.
- The college has students with low cut of marks

Opportunities

- With facilities like incubation centers, research labs and special labs the college has opportunities to bring out many entrepreneurs.
- The college has scope to apply for patents for many in-house projects developed in special labs and product labs.
- Working with government agencies to develop projects into fully working product models.

Challenges

- To attain 100% success rate
- Placement of students in core companies
- Coping up with rapidly changing technologies adopted by industries to
- Improve employability skills of students.
- Achieving autonomy

PROFILE OF THE INSTITUTION

1. Name and Address of the College

Name :			Adithya Institute of Technology		
Address :			S.F.No.348/1, 349/1, Kurumbapalayam, SS Kulam (PO), Coimbatore.		
City :	Coimbatore	Pin :	641107	State :	Tamil Nadu
Website :			www.adithyatech.edu.in		

2. For Communication

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr.N.Kathiravan	O:73737 00933 R:73733 81000	98426 77711	0422-2654501	principal@adithyatech.com
Steering Committee Coordinator	Dr.A.Rajendran	O:73737 00933 R:73733 81000	98420 73450	0422-2654501	rajendran_a@adithyatech.com

3. Status of the Institution

i.	Affiliated College	✓
ii.	Constituent College	-
iii.	Any other (specify)	-

4. Type of Institution

a. By Gender

i.	For Men	-
ii.	For Women	-
iii.	Co-education	✓

b. By Shift

i.	Regular	✓
ii.	Day	-
iii.	Evening	-

5. Is it a recognized minority Institution?

i.	Yes	-
ii.	No	✓

6. Source of funding:

i.	Government	-
ii.	Grant-in-aid	-
iii.	Self-financing	✓
iv.	Any other	-

7. a. Date of establishment of the college: 09.07.2008

b. University to which the college is affiliated/ or which governs the college
(If it is a constituent college): **Anna University- Chennai**

c. Details of UGC recognition:

Under Section		Date, Month & Year	Remark (If any)
I	2 (f)	-	-
ii	12 (B)	-	-

d. Details of recognition/approval by statutory/regulatory bodies other than UGC

(AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section / Clause	Recognition / Approval details Institution / Department Programme	Day, Month and Year	Validity	Remarks
Section 3 of AICTE act No. 52 of 1987	F.No.Southern/1-2811023571/2016	05.04.16	One Year	Enclosed AICTE approval letter

8. Does the affiliating university Act provide for conferment of autonomy?

(as recognized by the UGC) , on its affiliated Colleges?

Yes	✓	No	-
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If yes, has the College applied for availing the autonomous status?

Yes	-	No	✓
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9. Is the College Recognized?

a. by UGC as a College with Potential for Excellence

Yes	-	No	✓
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b. for its performance by any other governmental agency?

Yes	-	No	✓
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10. Location of the campus and area in sq.mts:

Location *	Rural
Campus area in square meters [16 Acres]	64749.7
Built up area in square meters	29460

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex with infrastructural facilities**

Particulars	Seating capacity	In sq.mts.
Auditorium	1000	738

- Sports facilities – (Director of physical education- Mr.Ranganathan)**

S.No.	Description	Details
1	Details of the out door games available	1. 400m track
		2. Basket ball court
		3. Ball badminton court
		4. Cricket nett wo court
		5. Football field
		6. Kabaddi court
		7. Throw ball court
		8. Volley ball court

2	Detailsof the Indoor games available	1. Table tennis
		2.Chess
		3.Carrom
3	Details of gymnasium available	yes

- Hostel**

Boys' hostel		
i.	Number of hostels	1(120 rooms)
ii.	Number of inmates	300
iii.	Facilities (mention available facilities)	Mess hall with TV facility, Reading room, Visitors room Wi-Fi connection, security service, Washing Facility, Solar hot water facility, RO water supply for bathing and drinking purpose.

Girls' hostel		
i.	Number of hostels	1(90 rooms)
ii.	Number of inmates	150
iii.	Facilities (mention available facilities)	Mess hall with TV facility, Reading room, Visitors room Wi-Fi connection, security service, Washing Facility, Solar hot water facility, RO water supply for bathing and drinking purpose.

- Residential facilities for teaching and non-teaching staff (give numbers available - cadre wise)**

Institution permits faculty and non-teaching staff to stay in hostel.

- Cafeteria**

Particulars	Available/Not	In Sq.mts.
Cafeteria	Available	800

- **Health Centre**
For emergency medical needs, the students are taken to the nearby hospital which is situated about 2km from the institution. Provision for first aid treatment is available.
- **Health center staff :** Not Available
Facilities like banking, post office, book shops
Banking: Not Available
Post office: Not Available
Book Shop: Available
- **Transport facilities to cater to the needs of students and staff:**
Available (08 Buses)
- **Biological waste disposal:** Available
- **Generator or other facility for management/regulation of electricity and voltage**
Generator: 250kVA
Solar Power System: 39,217 kwph solar PVpanel installed
Solid waste management facility: Available
- **Waste water management:** Available
- **Water harvesting:** Available

12. Details of programmes offered by the college (Academic Year 2016-17)

S.No	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of Instruction	Sanctioned / Approved Student strength	No. of Students admitted 2016-17
1.	UG	ECE	4 Years	+2	English	120	20
2.	UG	CSE	4 Years	+2	English	120	34
3.	UG	EEE	4 Years	+2	English	60	08
4.	UG	Mechanical	4 Years	+2	English	240	88
5.	UG	Civil	4 Years	+2	English	60	22
6.	UG	IT	4 Years	+2	English	60	10
7.	PG	Applied Electronics	2 Years	UG	English	18	02
8.	PG	CSE	2 Years	UG	English	24	02
9.	PG	Structural Engineering	2 Years	UG	English	24	06
10.	PG	Engineering Design	2 Years	UG	English	24	04
11.	PG	VLSI Design	2 Years	UG	English	24	-
12.	PG	MBA	2 Years	UG	English	60	14

13. Does the College offer self-financed programmes?

Yes	✓	No	-
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If yes, how many?

S. No.	Level Programme	Courses	Total no. of Programme
i.	U.G.	B.E. / B.Tech.	6
ii.	P.G.	M.E. / MBA	6
iii.	Ph.D	Ph.D	2

14. New programmes introduced in the College during the last five years if any?

i.	Yes	✓
ii.	No	-

Seven new programmes were introduced in the last five years

SNo	Name of the Programme	Introduced Academic Year
01	Ph.D Electronics and Communication Engineering	2012
02	Ph.D Mechanical Engineering	2015
03	M.E.Computer Science and Engineering	2012
04	M.E.Engineering Design	2012
05	M.E.VLSI Design	2013
06	M.E. Structural Engineering	2013
07	B.E.Civil Engineering	2013

15. List of departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similar, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

S.No.	Level Programme		Courses	Introduced Academic Year
1	UG	B.Tech.	Information Technology	2008
2		B.E.	Electronics and Communication Engineering	2008
3		B.E.	Computer Science and Engineering	2008
4		B.E.	Mechanical Engineering	2008
5		B.E.	Electrical and Electronics Engineering	2011
6		B.E.	Civil Engineering	2013
7	PG	M.E.	Applied Electronics	2011
8		M.E.	Computer Science and Engineering	2012
9		M.E.	Engineering Design	2012
10		M.E.	Structural Engineering	2013
11		M.E.	VLSI Design	2013
12		MBA	MBA	2009
13	Research	Ph.D	Electronics and Communication Engineering	2012
14		Ph.D	Mechanical Engineering	2015

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, and M.Com...)

a.	Annual system	-
b.	Semester system	✓
c.	Trimester system	-

17. Number of Programmes with

a.	Choice Based Credit System	-
b.	Inter / Multidisciplinary Approach	-
c.	Any other (specify and provide details)	University based credit system

18. Does the College offer UG and/ or PG Programmes in Teacher Education?

Yes	-	No	✓
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19. Does the College offer UG or PG programme in Physical Education?

Yes	-	No	✓
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20. Number of teaching and non-teaching positions in the Institution:

Positions	Teaching Faculty						Non-Teaching Staff		Technical Staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC/University/ State Government (RCI Requirements) <i>Recruited</i>	NA									
<i>Yet to recruit</i>	-									
Sanctioned by the Management/Society or other authorized bodies <i>Recruited</i>	9	2	12	2	81	43	13	5	11	1
<i>Yet to recruit</i>	-									

* M-Male *F-Female

21. Qualifications of the teaching staff

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./ D.Litt.	-	-	-	-	-	-	-
PhD.	9	2	-	1	1	-	13
M. Phil.	-	-	1	1	5	4	11
PG	-	-	11	-	75	39	125
Temporary teachers							
PhD.	-	-	-	-	-	-	-
M. Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
Part-time teachers							
PhD.	-	-	-	-	-	-	-
M. Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

22. Number of Visiting Faculty/ Guest Faculty engaged with the college:

13

23. Furnish the number of students admitted to the Institute during the last four academic years.

Categories	4th Year (2013-14)		3rd Year (2014-15)		2nd Year (2015-16)		1st Year (2016-17)	
	M	F	M	F	M	F	M	F
SC/ST	11	2	37	15	64	25	33	10
OBC	300	69	155	28	201	70	127	37
General	22	9	33	11	62	13	54	8
Others	-	-	-	-	-	-	-	-
Total (UG + PG + Lateral Entry)	333	80	225	54	327	108	214	55

M-Male , F-Female

24. Details on students “enrolment in the College during the current academic year”:

Type of students	UG	PG	M. Phil.	Ph.D	Total
Students from the same state where the College is located	200	21	-	5	226
Students from other states of India	40	7	-	-	47
NRI Students	-	-	-	-	-
Foreign students	-	-	-	-	-
Total	240	28	-	5	273

25. Dropout rate in UG and PG (average of the last two batches)

UG & PG 2015-16 – 1.5%

UG & PG 2016-17 – 0.5%

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

- Including the salary component
- Excluding the salary component

Rs.72826
Rs.48590

27. Does the College offer any programme/s in distance education mode (DEP)?

Yes	-	No	✓
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28. Provide Teacher-student ratio for each of the programme/course offered

S. No	Level of Programme	Programme	Teacher Student ratio
i.	UG Degree	B.E.	1:20
ii.	PG Degree	M.E.	1:12
		MBA	1:15

29. Is the College applying for Accreditation

Cycle 1	Cycle 2	Cycle 3	Cycle 4	Re-Assessment
✓	-	-	-	-

30. Date of Accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re- assessment only)

Not Applicable

31. Number of working days during the last academic year

174 days

32. Number of teaching days during the last academic year

(Teaching days means on which lectures were engaged excluding the examination days)

156 days

33. Date of establishment of Internal Quality Assurance Cell (IQAC)

02.01.2017

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC

S.No.	Cycle	Date	Applicable
i.	AQAR 1	-	Not Applicable
ii.	AQAR 2	-	Not Applicable
iii.	AQAR 3	-	Not Applicable
iv.	AQAR 4	-	Not Applicable

35. Any other relevant data (not covered above) the College would like to include. (Do not include explanatory/descriptive information)

- Institutions has recognized two Research Centre's for Mechanical and Electronics and Communication Engineering
- Industrial and academic bonding was successfully made through the MoU's. We have signed 29 MoU's with various industries.
- Incubation Centre is the backbone for the development of students to work with an industry. We have 3 incubation centres in our campus
- Our students have obtained University Ranks, so far we have ten university rank holders
- "Wipro's Mission 10X", Cisco, Siemens PLC and SCADA and Bhatias centre of excellence.

CRITERIA -I
CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

VISION:

To create Engineers and Managers with necessary skills and values for their career and life.

MISSION:

To transform students through a systematic teaching-learning process, providing skill development training, practical exposure and imparting values of life during their period of study.

OBJECTIVES:

- To have a well documented, transparent system for whole of the Teaching and Learning Methodology
- To have as many Centre of Excellence in different knowledge domain of Engineering
- To have well recognized research carried out in targeted areas
- To have a strong framework helping entrepreneurial skill development
- To have a forum to impart moral values of life

COMMUNICATED TO THE STUDENTS, TEACHERS, STAFF AND OTHER STAKEHOLDERS

- The Vision, Mission and objectives of the institute are published in the Institute's website (**URL: <http://adithyatech.edu.in/>**)
- The Vision, Mission and objectives are displayed in each department
- Vision, Mission and objectives are published in LMS.
- The Vision, Mission and objectives of the Institution are disseminated to the students and their parents during the first year orientation Programme and also all the orientation programmes conducted every semester.
- Vision, Mission and objectives statements are displayed in the notice boards, at prominent places and hostel.

1.1.2. How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

AIT is affiliated to Anna University, Chennai. It follows the curriculum prescribed by the university.

- The academic calendar is prepared well ahead of the academic year listing curricular activities, placement training activities, skill set training, holidays and internal assessment dates.

The calendar is displayed in the LMS (Learning Management System) which will be available to the entire team of faculty and students.

ACADEMIC CALENDER 2016-2017 - EVEN SEMESTER					
Day	December	January	February	March	April
Monday					
Tuesday					
Wednesday			1 (IA-1)	1	
Thursday			2 (IA-1)	2	
Friday			3 (IA-1)	3	
Saturday			4 (Alternate Saturday Holiday)	4 (Alternate Saturday Holiday)	1 (Alternate Saturday Holiday)
Sunday		1 (NEW YEAR)	5	5	2
Monday		2	6	6	3
Tuesday		3	7	7	4
Wednesday		4	8	8	5
Thursday		5	9	9	6
Friday		6	10	10	7
Saturday		7 (Working Day)	11 (Working Day)	11 (Working Day) (IA-2)	8 (Working Day)
Sunday		8	12	12	9 (Mahavir Jayanti)
Monday		9	13	13 (IA-2)	10
Tuesday		10	14	14 (IA-2)	11 (IA-3)
Wednesday		11	15	15	12 (IA-3)
Thursday		12	16	16	13 (IA-3)
Friday		13	17	17	14 (Good Friday)
Saturday		14 (Thai pongal)	18 (Alternate Saturday Holiday)	18 (Alternate Saturday Holiday)	15 (Alternate Saturday Holiday)
Sunday		15 (Mattu Pongal)	19	19	
Monday		16 (Uzhavar Thirunai)	20	20	
Tuesday		17	21	21	
Wednesday		18	22	22	
Thursday		19	23	23	
Friday		20	24	24	
Saturday		21 (Working Day)	25 (Working Day)	25 (Working Day)	
Sunday		22	26	26	
Monday	26 (Reopening)	23	27	27	
Tuesday	27	24	28	28	
Wednesday	28	25		29 (Telugu New Year)	
Thursday	29	26 (Republic Day)		30	
Friday	30	27		31	
Saturday	31 (Working Day)	28 (Working Day)			
Sunday		29			
Monday		30			
Tuesday		31			

IA EXAMS	
GOVT HOLIDAYS	

	December	January	February	March	April (Upto 15 th)	Total
Total Working Days	6	23	22	24	10	85
Total Holidays	0	8	6	7	5	26
Total Days	6	31	28	31	15	111

- The faculty members schedule their activities and lecture plan based on this calendar.
- These plans depend upon the syllabus prescribed by the University and the number of lectures allotted by it.
- Lecture plan and study materials for all the subjects (Theory and Practical Sessions) are uploaded into the LMS before the start of the semester, by the respective faculty member.
- Materials for Theory Subjects: Lecture notes, Question bank, Quizzes, Videos, Presentations and Applications of Concept.
- Materials for Practical Subjects: Pre-Lab, In-Lab, Post-Lab and Manuals.
- Assignments are inculcated in the learning process for students to have a better understanding of the subject.
- Learning Management Tests are conducted on a periodically basis. Faculty members motivate and counsel students who get less marks.
- Internal Assessment tests are conducted periodically as per the academic schedule.
- Students' participation in course work is ensured by the mandatory minimum attendance in the class, the norms for which are set by the University. The University mandates that 75% attendance is compulsory to appear for the semester end examination.
- Slow learners are identified based on IA marks and corrective actions are initiated.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

SUPPORT FROM THE UNIVERSITY:

- The university provides the curriculum and syllabi for the various programs.
- The university also provides academic schedule.
- The university provides objectives for the various courses.
- The university sets the question paper for both university theory and practical exams.
- University provides online management system to capture attendance and assessment marks of the students.

SUPPORT FROM THE INSTITUTION:

- FDP's and workshops are planned by the respective departments of the institution to cater to individual faculty members.
- Faculty members are sponsored by the institution to take up courses and workshops organized by other institutions.
- Research centers/special labs/ center of excellence are established in all departments to help faculty members engaged in research.
- Academic calendar, time table, schedule of activity including internal exams and evaluation pattern are notified well in advance.
- Faculty members are allotted subjects well in advance and the faculties get enough time to prepare their teaching content for the subjects allotted to them and upload the same in Adithya LMS.
- Good ambience and ventilated class rooms equipped with ICT facilities like LCD Projectors and computers are provided to effectively executing the teaching in the class room.



ICT enabled class room

1. Reprographic facility is available in the college.
2. Adithya Learning Management System developed on the moodle platform is available to the faculty 24X7 to plan and execute the academic related activities efficiently.
3. Faculty members are encouraged to publish papers, apply for the funded projects and attend seminars, workshops, conferences and other programs both inside and outside the institution.

4. Provisions are available at the Institution for the faculty and students to access online technical resources like NPTEL.
5. Well stacked OPAC enabled Library with 19209 books, 1263 CD's ,6 Daily ,1 Weekly , e-journals and other education related information's can be accessed through NDL and DELNET.
6. Internet facility with a speed of 50Mbps is available both through Wired and Wi-Fi for easy access of resources.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

- Faculty with respective specialization is recruited by the Institution.
- FDP's like microteaching & WIPRO MISSION 10X are conducted for the benefit of the faculty members.
- Faculty members are allowed to attend Workshops, Training programs for enhancement of their knowledge.
- Institution provides individual personal computers to the faculties to execute their work quickly and efficiently.
- Each department is provided with printer facility.
- Effective delivery of curriculum is achieved by adopting various methods such as black boards, Power point Presentations and videos (NPTEL).
- Library facilities and Wi-Fi facilities are available for easy access of resources.
- Classrooms fitted with projectors using ICT facility are available to extend the teaching learning process through presentations and videos.
- Adithya LMS (Learning Management System) which is the backbone of AIT helps faculty members to ensure effective curriculum delivery.
- Feedback from students and teachers are obtained periodically through Tutor ward meeting and Class committee meeting to get rid of the problems, issues faced by Students.
- Well ventilated classrooms with enough fans, lighting facility, large blackboard and raised platform for faculty to stand on to deliver their lecture. Comfortable seating arrangements for two students to sit in a desk.
- A captive generator facility of 200kVA supplies the needed electricity whenever the main electrical power goes off.

- All the computers have UPS backup which ensures continues working in computers without any interruption.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

- The institution has entered into MOU's with the following industries.

Department	Name of the Company
Mechanical	Ohm Solutions
	JEGA Precision drives pvt. Ltd.
	Covaai Gears
	Unijet Pneumatics
	Trident Pneumatics
	Frank Technologies
	CADD Leader
	Max CADD
	Canny Controls
	Asian Automation
	Vishal Precision Products pvt.ltd.
	MOLDWELL Products India pvt.ltd.
	RK Technologies, Coimbatore
	ABI Automation, Coimbatore

Mechanical	ADHI Automation pvt.ltd.
	Shyam Control Devices
	Excel CNC Pvt.ltd.
	Dev International, Coimbatore.
	Adithya Hi-tech valves Pvt. Ltd.
	ENKEY Engineering Works
CIVIL	RM Mayileru & co., cbe.
	Teleios Infratech Pvt.ltd
	Benevolent Academy ,cbe
	KrishnaAssociates Engineers&Values,cbe
	D-Cad technologies
ECE & EEE	WIPRO Technologies
	CISCO
CSE & IT	Wiredelta
	INTEL Technology India Pvt.ltd.
	Infonet Technology
	Consensus Technologies Pvt.ltd

- The MOU's with these industries enable the institution to know about the requirements of the industries and accordingly it becomes possible to plan extra training/ courses to be provided for the students.
- Members of the faculty are members of organizations like IE, ISTE and CSI.
- Faculty members apply for grants to conduct in house programs like workshops and seminars to government organizations like ISRO, DST, CSIR, SERB and DEITY.
- Incubation centers are established in the college to nurture entrepreneurship skills of the students. (Wire Delta ,Consensus Technologies, INFONET Innovations)
- Faculty members are encouraged to take part in conferences outside the institution to get an opportunity to network with researchers.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.)

Suggestions are forwarded to the members of board of studies for omission or inclusion of portions for the topics in the curriculum syllabi for the forthcoming regulations.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

Since our institution is affiliated to Anna University, Chennai we do not have the provision to develop curriculum for any of the courses prescribed in the regulations. However, we are offering value added courses through Skill development training.

The list of trainings offered is given below

DEPARTMENT	NAME OF SKILL ORIENTED PROGRAMS
Civil	Advanced CAAD
	Conventional Surveying Methods
	Total Station
	Field Practices
	STAAD.Pro
	GPS
	Revit Architecture
	Primavera
Mechanical	Labview
	Solidworks
	Advanced Labview
	Advanced Solidworks
	ANSYS, CNC Programming

CSE & IT	OOPS & C++
	CORE JAVA
	Design & Animation Tools
	Data Warehousing – Informatica
	Advanced Java Programming
	Web Development using PHP
	Document Database Technology
	DotNet Technology
ECE	Digital System Design
	Pspice Programming
	Lab view
	PCB Design & Fabrication
	Embedded System Design
	PLC & SCADA
EEE	Embedded System Design
	Pspice Programming
	Matlab
	PCB Design & Fabrication
	PLC & SCADA

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

- Faculty members deliver lecture sessions in class which is in-line with the curriculum.
- LMT (Learning management Tests) are conducted online for all subjects.
- Periodical internal assessments are also conducted as per the academic schedule.
- Review meetings on internal assessments and University Results are conducted periodically to assess the performance of students, determine deviation from the proposed goals and to suggest remedial actions for improvement.

- Performance of students in laboratory classes, mini projects and assignments are taken into consideration to gauge their subject knowledge.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.

SDT (Skill Development Training):

- At AIT skill development training (SDT) is a continuous process which is carried out all year round. This training is specifically focused on developing skills in specific growth sectors and ability to adapt to evolving technologies. This training which is fully market driven improves the employability skills of the students.
- The courses for SDT are selected based on emerging trends at the beginning of each semester. Students undergo training for two SDT courses which are carried out weekly (8hours/week) throughout the semester. The curriculum for the courses is framed based on the year of study of the student.
- SDT is executed by Industrial experts/Internal trainers.
- Students undergo assessment at regular intervals throughout the duration of the course. A final validation in the form of test and mini project is conducted after which students are certified for their respective courses.

STUDENT DEVELOPMENT PROGRAMS:

Soft skills training program is conducted for all pre final year students.

The following Student Development Programs are organized by Training and Placement Cell

- Soft skills
- Technical training
- Communication Skills Program
- Quantitative Aptitude and Logical reasoning
- Group Discussion Practice
- Conducting industry expert interaction sessions

CERTIFICATION COURSES:

The following certification courses are offered to the students at AIT campus.

- CCNA Course by AIT Network Academy in association with NETACAD.

- INTEL certification courses.
- EMC certification on Data Analytics.
- Autodesk

1.2.2 Does the institution offer programme that facilitate twinning /dual degree? If 'yes', give details.

Since our institution is affiliated to Anna University, Chennai, we do not have the provision to offer any dual degree / twinning programme.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skill development, academic mobility, progression to higher studies and improved potential for employability

- **Range of Core /Elective options offered by the University and those opted by the College**
- **Choice Based Credit System and range of subject options**
- **Courses offered in modular form**
- **Credit transfer and accumulation facility**
- **Lateral and vertical mobility within and across programmes and courses**
- **Enrichment courses**
- **Range of Core /Elective options offered by the University and those opted by the College**

For UG Stream:

During 6th semester in all the departments, four to six subjects are offered as an elective to the students out of which students chooses one elective subject.

During 7th semester in all the departments, from 10 subjects to 11 subjects are offered as an elective to the students out of which students chooses from 2 subjects to 5 subjects.

During 8th semester in all the departments, from 8 subjects to 12 subjects are offered as an elective to the students out of which students chooses from 2 subjects to 3 subjects

For PG stream: MBA: Three electives from two specializations from among the five areas of specialization are to be chosen by the students.

For PG stream: ME: During 1st semester in all the departments from 4 subjects to 5 subjects are offered to PG students out of which students chooses 1 subject to 2 subjects

NAAC - SSR

During 2nd semester in all the departments from 6 subjects to 2 subjects are offered to PG students out of which students choose 1 subject to 2 subjects.

During 3rd semester in all the departments from 3 subjects to 4 subjects are offered to PG students out of which students choose 1 subject to 3 subjects.

Choice Based Credit System and range of subject options

As AIT is an affiliated college we follow the syllabi and curriculum prescribed by the Anna University. As we do not have autonomous status Choice based credit system is not possible.

To earn a degree student should obtain minimum credit of 184 to maximum of 189.

Courses offered in modular form

Engineering subjects have different domains like Designing, Software System and Engineering, Communication system, Thermal Engineering, Electrical machines and Structural Analysis.

Therefore from first semester to eighth semester students are studying different subjects from different domain.

Credit transfer and accumulation facility

As our institution is affiliated to Anna University, Chennai, we do not have the provision to carry out this facility.

Lateral and vertical mobility within and across programmes and courses

Students who have completed their three year diploma courses are admitted in the second year into the UG engineering stream as lateral entry candidates. Those students who are studying in other institutions affiliated to Anna university, Chennai and willing to continue their studies in our institution also admitted in the respective Odd semester of the course after the approval granted by the Commissioner of Technical education, Government of Tamilnadu.

Enrichment courses

All the students will undergo two Skill development trainings per semester during their 3rd, 4th & 5th semester. They have to submit an application oriented project for each skill development training they have taken up.

Placement training on Soft skills, Technical training, Communication Skills, Quantitative Aptitude, Logical reasoning and Group Discussion Practice are offered during 6th & 7th Semester. For MBA Students training on SAP & IBPS was provided.

Other Enrichment courses offered are listed below. CCNA, INTEL, UTLP, PLC&SCADA, PCB Design & Fabrication, Industrial Automation Using Lab view, Solid Modeling Using Solid works, CNC Programming Using Edge CAM& Finite Elements Analysis Using ANSYS are conducted.

1.2.4 Does the institution offer self-financed programmes? If “yes”, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc

CCNA, INTEL, UTLP, PLC&SCADA, PCB Design & Fabrication, Industrial Automation Using Labview, Solid Modeling Using Solidworks, CNC Programming Using Edge CAM& Finite Elements Analysis Using ANSYS are offered.

1.2.5 Does the College provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.

Dept.	Name Of Skill Oriented Programs	Probable Beneficiaries
CIVIL	Advanced CAAD	Industries which requires expertise for drafting of plan of buildings.
	Conventional Surveying Methods	Industries requiring expertise in Advance Surveying.
	Total Station	Industries requiring expertise in Advance Surveying.
	Field Practices	Industries requiring expertise in Advance Surveying.
	STAAD.Pro	Industries which requires design and analysis of multistory buildings.

CIVIL	GPS	Industries requiring expertise in land mapping solutions.
	Revit Architecture	Industries requiring expertise in drafting plan of buildings.
	Primavera	Industries requiring expertise in planning and scheduling of construction projects.
MECH	Labview	Industries having Services towards designing Automation Environment.
	Solidworks	Industries requiring design services of new product development.
	Advanced Labview	Industries having Services towards designing Automation Environment.
	Advanced Solidworks	Industries requiring design services of new product development.
	ANSYS	Industries having Services towards design and analysis of Engineering Products.
	CNC Programming	Industries having CNC Machines.
CSE & IT	OOPS & C++	Industry which requires enterprise application development.
	CORE JAVA	
	Design & Animation Tools	Industry which requires UI and UX designers.
	Data Warehousing – Informatica	Industry which requires business intelligence modeling.
	Advanced Java Programming	Industry requires web based application development.
	Web Development using PHP	Industry which requires web development.
	Document Database Technology	Industry which requires social networking based application.
	DotNet Technology	Industry which requires software development for Microsoft based application /system.
ECE	Digital System Design	Industry which requires design of digital circuits.
	Pspice Programming	Industry which requires design of analog circuits.

	Lab view	Industries having Services towards designing Automation Environment.
	PCB Design & Fabrication	Industries requiring design and fabrication of circuits.
	Embedded System Design	Industries which require experts for application development projects like robotics& communication networks.
	PLC & SCADA	Industries requiring Automation.
EEE	Embedded System Design	Industries which require experts for application development projects like robotics& communication networks.
	Pspice Programming	Industry which requires design of analog circuits.
	Matlab	Industries requiring modeling data.
	PCB Design & Fabrication	Industries requiring design and fabrication of circuits.
	PLC & SCADA	Industries requiring Automation.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice? If ‘yes’, how does the institution take advantage of such provision for the benefit of students?

The university does not provide the flexibility of combining two different modes of education for the students. However, our institution offers facility to access online courses in NPTEL, Swayam, Mooc and Google Developer Training online courses on Developing Android Applications and Web Development.

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University’s curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?

Skill Development Training:

Two Skill development training are provided for each semester. Students are encouraged to take up the application oriented projects in SDT courses

ICT Enabled class rooms:

Smart class rooms are available to augment the teaching learning process through presentations and videos.

Library:

The library facility at AIT caters to students with books, journals and magazines relevant to curriculum and recent areas in research.

Industrial Visits:

A minimum of 2 industrial visits are arranged every semester which helps the students know core areas of industries.

Certification courses:

Students are offered certification courses, which make them competent with industrial standards.

Workshops/Seminars /Symposium:

Events like workshops seminars and symposiums are conducted to interact with experts from industry and academia and gain insight on evolving trends.

Soft skill development:

Aptitudes tests, group discussions and technical presentations are conducted by the placement training cell at AIT to enhance the overall performance of the students.

1.3.2 What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students and cater to needs of the dynamic employment market?

AIT is affiliated to Anna University, Chennai and adheres to the curriculum of the university.

Modification of curriculum:

Based on Feedback from Market (technical & HR person who come for placement drive, Alumni, Visitors, Skill development external trainers, Self updation) we offer the value added courses which enriches the curriculum.

Enrichment of curriculum:

Curriculum is enriched through SDT, mini projects, Technical presentations, workshops, seminars and Certification courses as already mentioned.

Organization of curriculum:

The curriculum provided by Anna University is organized session wise by the respective faculty members and contents for each session is fed into the LMS in a modular form (Lecture Notes, Question and answers, Quiz.).

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

- The university curriculum includes topics on environmental engineering, professional ethics and human values, disaster management and principles of management. These topics are well taught to the students.
- In addition to this AIT organizes various programmes like Womens Day, Engineers Day and Consumer forum.
- An active Eco club functions at the campus and students at AIT are continuously educated to sustain a healthy environmental-friendly atmosphere.
- Paper usage is limited at AIT campus as most of the information communicated to faculty members and students are by electronic means through the LMS.
- Internet facility with a speed of 50Mbps, Projector Facility, Personal computer, NPTEL videos are available.

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

- **Moral and Ethical Values**
- **Employable and Life Skills**
- **Better Career Options**
- **Community Orientation**

Moral and Ethical Values:

Courses like Professional Ethics in Engineering are offered as electives to students. This helps students to identify the behavior expected out of them and become complete professionals.

Employable and life skills:

Skill Development training, Soft skill training, personality development programs, Awareness towards GATE exam, IBPS Exam, IAS academy, mini projects, certification courses like CCNA Course by AIT Network Academy in association with NETACAD,INTEL,EMC certification on Data Analytics ,Autodesk provide the necessary employability skills for AIT students.

Better career options:

The IIPC (Industry Institute Partnership Cell) at AIT acts as a bridge between the students and the industries. IIPC cell arrange for internships and industrial visits based on requests from students.

MOU with industries help the students to know the requirements of the industries. The Campus has an incubation center which supports young entrepreneurs.

Community orientation:

The NSS and YRC clubs at AIT campus work for the benefit of the society by conducting state level camps for school students and college students. NSS volunteers carryout awareness programs also.

1.3.5. Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

Feedbacks are obtained from the stake holders namely students, faculty, parents, alumni, Technical/HR personnel who come for Placement drive and industrial expert who visits us on various occasions. The suggestions are considered for the improvement in the activities which will benefit the students.

Based on the feedback received from the Alumni and Technical/HR personnel:

Dept	Suggestions given	Actions taken
CSE & IT	To give training in advanced tools (used in industry for development) to students via workshops/hands on in lab	Introduced R-Tool in one day hands on training through industry expert
CSE & IT	To know the emerging technologies in future	Department Conducted a webinar under the title of "Future of Recruiting: Top Technology Trends to Watch in 2017".
	Students asked for hands on training in designing tools	Department organized a one day workshop on "Designing mobile apps for game design"
	Industry experts are suggested that in future the job demand will increase in the domain data analytics.	Data warehousing- Informatica is introduced to students as skill development training
	Industry experts are suggested that in future the job demand will increase in document database technology	MongoDB is introduced to students as skill development training
CIVIL	SDT training program can be provided with latest software's used in the industry	SDT training offered by Industry experts such as Surveying through Total Station

	SDT training project work shall be oriented with real life problem	Mini project works have been implemented.
ECE	Students are requested to train java basics for their future job demands.	Hands on training on java basics were offered during refreshment courses.
	Students asked for hands on training in Embedded System design.	Embedded System design was introduced as one of the skill development course.
EEE	Students asked for hands on training in PLC&SCADA.	PLC&SCADA was introduced as one of the skill development course.
MECH	Students are asked to give certification courses like Dassault, Auto-Desk, DTC etc..	1.Auto-Desk certification training 2.Auto-Desk inventor training started in 2016-17 even semester.
	Training required on Lab-View Advanced program	Introduced in SDT Level-II

Based on the feedback received from the students

- The timing for issue and return of books at the counter of the library has been extended up to 6.30 pm.
- All the laboratories generally are kept open for usage after the closure of working time for the benefit of the students.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

- The HoDs of respective departments monitor the enrichment courses and start up corrective measures in case of deviations.
- The courses for SDT are selected based on emerging trends at the beginning of each semester. Every week students undergo training for two SDT courses for two half days of 3rd, 4th & 5th semester. Students undergo assessment at regular intervals throughout the duration of the course. A final validation is in the form of mini project is conducted after which students are certified for their respective courses.
- The placement training cell monitors the Soft skills, aptitude tests, technical presentations.

- The department project coordinators and SDT in-charges evaluate and monitor the SDT course and mini projects.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

The institution is an affiliated to Anna University, Chennai and therefore there is no scope for framing institution's curriculum on its own. However the college forwards a few suggestions to the university, members of board of studies and syllabus revision for incorporating the same in the regulation.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/ new programmes?

At the end of every semester a feedback is obtained from the students about the subjects they have studied and their opinion about the inclusion of any other topics which they feel necessary and about the overall curriculum from the alumni, the technical/HR personnel from the industries who visit the campus for recruiting the students, and from the parents occupying coveted positions in the relevant industries.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?)

S.No	Name of the Programme	Introduced Academic Year
1	B.E Civil Engineering	2013
2	M.E Structural Engineering	2013
3	M.E VLSI	2013
4	M.E Engineering design	2013

Any other points:

Curriculum Planning and Implementation

- The academic calendar for every semester is prepared well ahead, listing curricular activities, placement training activities, skill development training, holidays and internal assessment test dates.
- To effectively deliver the curriculum, the institution has well qualified and experienced team of faculty members who are provided with ICT Enabled Class, Wi Fi Enabled Campus, Industrial Training and e-Resources.

Academic Flexibility

- The students have an option to choose electives of their choice from the list of electives provided by the University.
- Though the institution has to follow the curriculum prescribed by the university, efforts are taken to offer skill development training, certification courses and enrichment courses to improve the knowledge of the students.

Curriculum Enrichment

- Skill development courses are offered to the students on topics related to current technology by industry experts/Internal trainers.
- These courses help the students to meet the industry expectations and become readily employable engineers.
- Our institution provides many soft skill training programs to groom the students to become confident professionals.

Feedback System

- Feedback from the stakeholders like Students, Faculty, Alumni and Recruiters are received at regular frequency to reduce their grievances and improve the deliverables.
- The institution has an online feedback system to obtain feedback from the students for effective monitoring of teaching learning process.

CRITERIA -II
TEACHING-LEARNING
AND EVALUATION

CRITERIA 2: TEACHING-LEARNING AND EVALUATION

2.1 STUDENT ENROLLMENT AND PROFILE

2.1.1 How does the college ensure publicity and transparency in the admission process?

Adithya Institute of Technology is a self-financing Engineering College affiliated to Anna University, Chennai. The Tamil Nadu Engineering Admission (TNEA) process is followed at Adithya Institute of Technology.

Publicity

The information related to admission process is hosted on the college website. The general public also gets to know about the admission procedure through brochures and pamphlets issued by the institution.

Transparency

TNEA follows academic calendar of events which gives details about the last date for receipt of completed application and publication of random number. TNEA also prepares and publishes the merit rank (Cut-Off)-cum-reservation list.

The individual students also receive their merit rank (Cut-Off)-cum-reservation list.

Management Quota admissions are carried by the Coimbatore Association of Management of Anna University Affiliated Colleges Consortium. Admissions are carried out based to the merit rank obtained by the candidate in the examination conducted.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

As per guidelines of Government of Tamil Nadu, admission is made through the single window system, based on the students' marks in the HSC examination.

The admissions to all the seats available with Government, Government Aided and Self Financing Engineering Colleges are filled out through a merit-cum-reservation list published for this purpose by the Government.

TNEA allows 65% of seats under government quota to be filled through single window common counseling carried out by the Anna University Chennai and 35% of seats through self-finance consortium of Management.

NAAC - SSR

Admission is purely based on the marks obtained by the students in their qualifying examinations and the minimum marks for the qualifying examination are as given below:

Admission to UG Degree Course

A Pass in the HSC (Academic) or its equivalent with a minimum average percentage in Mathematics, Physics and Chemistry put together as given below

S.No.	Community	Minimum % of marks
1	General Category	50
2	Backward class including Backward Class Muslim	45
3	MBC & DNC	40
4	SC / SCA / ST	40

A pass in any of the HSC (Vocational Subject) as given below with any one of the Engineering related subjects namely Mathematics, Physics or Chemistry with a minimum average percentage put together as given below

S.No.	Community	Minimum % of marks
1	General Category	50
2	Backward class including Backward Class Muslim	45
3	MBC & DNC	40
4	SC / SCA / ST	40

Lateral Entry Admission

The minimum eligibility marks for admission to direct second year B.E. degree courses under Lateral entry is just pass in Diploma of B.Sc. Degree (only Mathematics course)

S.No.	Community	Minimum % of marks
1	General Category	55
2	Backward class including Backward Class Muslim	50
3	MBC & DNC	45
4	SC / SCA / ST	Mere Pass in the qualifying examination

M.E. Degree course

A pass in a recognized Bachelors degree or equivalent in the relevant field and obtained at least 50% (45 % in the case of candidates belonging to reserved category) in the qualifying degree examination.

Students with the above eligibility can enroll themselves for the course either through Management or by scoring in the GATE /TANCET examinations.

M.B.A

A pass in a recognized Bachelor's degree of minimum 3 years duration and obtained at least 50% (45% in the case of candidates belonging to reserved category) in the qualifying degree examination.

Students with the above eligibility can enroll themselves for the course either through Management or by scoring in the TANCET/Consortium examinations.

- (a) 10+2+3 years pattern (or)
- (b) 10+3 years Diploma + 3 years pattern(or)
- (c) B.E./B.Tech./B.Arch./B.Pharm.(or)
- (d) 10+2+AMIE*(or)
- (e) 10+3 Years diploma + AMIE*

* Awarded by the State Board of Technical Education.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

The maximum and minimum cut-off marks at entry level for each of the programmes offered by the college for the students who got admitted during the last year are as follows:

Category	Civil		CSE		ECE		EEE		IT		Mech	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
OC	96.75	144.5	109	170	153	160	NA	NA	NA	NA	94	169.75
BCM	NA	NA	NA	NA	NA	NA	NA	173.25	NA	NA	102.5	185.25
BC	106.5	165.5	101.15	186.5	98.5	185.5	129	191.5	100	156.25	92.25	165.5
MBC	79.25	116.0	87.25	183	132.5	140.25	146.28	183.75	97	155	85.75	156.75
SCA	85.25	108.5	98.5	123.33	NA	NA	NA	NA	105.2	133.5	NA	134.17
SC	NA	NA	83.5	106.25	86	155	102	110	NA	151	84.5	174.5
ST	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If „yes“, what is the outcome of such an effort and how has it contributed to the improvement of the process?

Admission Process Review

Yes, there is a mechanism to review the admission process and students profile annually. The profile of the students with all the necessary details is collected during the admission process at the institution every year.

The admission team follows up with the admission process and ensures that most of the plus two school students are informed of the admission procedure. The team reaches out to students hailing from both rural and urban areas.

The admission team prepares consolidated details of the admitted students in terms of marks, medium of study, gender, nativity, residential location, economic background and community reservation.

The efforts of the admission team is planned and executed for the current year based on the consolidated report details of the previous year.

The effort includes offering of scholarships and waiver of tuition fees to the students.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

- **SC/ST**
- **OBC**
- **Women**
- **Differently abled**
- **Economically weaker sections**
- **Minority community**
- **Any other**

SC/ST / OBC

During the single window system, as per Government norms, certain percentage of seats is reserved for students from the disadvantaged community and OBC etc. The Government of Tamilnadu follows 69% of reservation in all educational institutions. This is in addition to the eligibility under the general category of seats by virtue of the marks obtained by the disadvantage community students. This policy ensures dual advantage to the weaker sections of the society.

Women

The College does not discriminate on the basis of gender. For example, in the current academic year 2016-17, taking into account all departments except mechanical 43 % of the students are girls.

Economically weaker sections

The college facilitates and helps students to get scholarships from the government.

For example, in the current academic year 2016-17, taking into account all departments 54.57% of students were benefitted.

Minority community

During the single window system, as per Government norms, 3.5% percentage of seats is reserved for students from the minority community.

For example, in the current academic year 2016-17, taking into account all departments .36% of students were benefitted.

Any other (First generation graduates)

Adithya Institute of Technology provides scholarships to students based on their merit and belonging to economically weaker sections.

Government of Tamil Nadu offers Rs.20000/-per year to the students admitted into under graduate engineering courses who are considered to be the first graduate in the family. The money is disbursed to the institution every year.

For example, in the current academic year 2016-17, taking into account all departments 40.25% of students were benefitted.

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

Details for the last four years:

S No	Program	Sanctioned Intake	Admission Strength	Demand Ratio
1	Mechanical	960	630	65.62%
2	ECE	480	168	35%
3	CSE	480	99	20.6%
4	IT	240	31	12.9%
5	EEE	240	79	32.9%
6	Civil	240	186	77.5%
7	ME-AE	72	7	9.7%
8	ME-VLSI	96	2	2.08%
9	ME-ED	96	17	17.7%
10	ME-SE	72	36	50%
11	ME-CSE	96	10	10.41%
12	MBA	240	77	32.08%
	Total	3312	1342	40.51%

2.2 CATERING TO DIVERSE NEEDS OF STUDENTS

2.2.1. How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

The institution abides by the government policies, rules and regulations regarding the needs of differently-abled students. The seats are reserved and offered according to the government policies at the time of admission in various programs and courses.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If "yes", give details on the process.

Yes. The institution gets to know about the students' knowledge, skills and other details during the admission process. The students fill up the admission form which gives details about him/her, and the interaction which the admission team members initiate also gives more details about the skill and the knowledge level of the student.

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/ Remedial/Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

- The candidates are given detailed information during the admission process about the various courses and programmes offered by the institution which will enable them to choose the programme of their choice better.
- Students are provided with the following
 - Basic computer programming
 - English language classes
 - Bridge courses
 - Refreshment classes
- The first year students are given an orientation program in which the following are explained in detail
 - Academic Calendar
 - Adithya LMS
 - Subjects for the forthcoming semester
 - Laboratories for the forthcoming semester
 - Skill Development Courses for the forthcoming semester

- Respective faculty for subjects/Laboratories
- Workshops/Conference/Seminars for the forthcoming semester
- Tentative Dates for Industrial Visit

2.2.4 How does the College sensitize its staff and students on issues of gender, inclusion, environment etc.?

Gender Equality

- The staff members and students are treated equally in all aspects.

Women Welfare

- Adithya Institute of Technology has a Women Empowerment cell which is a forum wherein women in the campus can put forward their ideas and grievances.
- During the admission process a waiver of Rs 5000/- is provided to girl students.
- Separate rest rooms are made available for lady staff and girl students.
- The institution never discriminates on gender or religion basis.
- There is no difference in pay and responsibilities based on gender
- There is no difference in opportunities for students based on gender.
- Women's Day is celebrated at the campus.
- Environment
- The campus is smoke-free
- Water conservation is done by rain water harvesting.
- Green-Energy is promoted. Solar power generation, solar street lights and solar water heaters are available in the campus.

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

- Through continuous monitoring of academic and curricular activities advanced learners are identified.
- These students are provided the following support to enhance their performance in curriculum and increase their employability and entrepreneurship skills.
- The advance learners are encouraged to work in advanced and research labs at the campus.

- These students are motivated to take up industrial based projects and innovative projects with novel ideas.
- These students are provided guidance to participate in national and international conferences.
- Such students are repeatedly encouraged for taking up competitive exams such as GATE, CAT, GRE, TOEFL etc
- Advanced learners are encouraged to send their project proposal to various funding agencies such as TNSCST, ICTACT etc.
- Advance learners are also encouraged to take part in contests conducted by Ministry of HRD like HACKATHON
- Advanced learners are assisted in getting internship opportunities
- The advanced learners are encouraged to pursue their higher studies abroad.
- Special Skill development training courses are offered as per their request.
- Students with good programming expertise are identified and trained for placement in IT Product companies and students with excellent core competency are trained to get placed in good core companies.



Students won a national contest conducted by Wipro, for their project work carried out at Adithya Institute of Technology WIPRO MTLC (Special Lab).



Students winning a national contest conducted by Intel, for their project work carried out at Adithya Institute of Technology Intel Laboratory (Special Lab).

Students Representing College in various events:

Program	Students Represented College in International/ National/State Level Events	Year of study	Prize (First/Second/Third)
Mechanical	RakeshMithun	2012-13	First Prize
	A Soundar	2012-13	Second Prize
	B Prakash	2013-14	Second Prize
	S Suresh	2013-14	Second Prize
	CM Gurunathan	2014-15	Second Prize
	V Bagyanath	2014-15	Second Prize
	S Ahilan	2014-15	First Prize
	V Ananthan	2014-15	First Prize
	L Lathish	2014-15	First Prize
	P Buvanesh	2014-15	First Prize
	B Karthick	2014-15	First Prize

Mechanical	R Dharmesh Kumar	2014-15	First Prize
	R Dharmesh Kumar	2014-15	Second Prize
	N Vishnu Vignesh	2014-15	Third Prize
	M Vignesh	2014-15	Third Prize
	S Sathish Kumar	2014-15	Third Prize
	X.AntonyJayaharan	2014-15	Third Prize
	K InfentJarallt	2015-16	First Prize
	E.Esakkiraj	2015-16	Second Prize
	E.Esakkiraj	2015-16	First Prize
	B.Prakash	2015-16	Third Prize
	P.Pranv	2015-16	Third Prize
	S.Parthiban	2015-16	Third Prize
	G.Oliver Adams	2015-16	Third Prize
	G.Oliver Adams	2015-16	Second Prize
	R.VijayAnandh	2015-16	First Prize
	S.Ukkesh Kumar	2015-16	First Prize
	E.Esakkiraj	2015-16	First Prize
	PS Deepak	2015-16	Second Prize
	N Ganesh	2015-16	Second Prize
	M Ganesh	2015-16	First Prize
	PS Deepak	2015-16	First Prize
	V Manikandan	2015-16	Third Prize
	M Jennis Martin	2015-16	First Prize
	E.Esakkiraj	2015-16	First Prize
	M Jennis Martin	2015-16	First Prize
	M Jennis Martin	2015-16	First Prize

Mechanical	E.Esakkiraj	2015-16	First Prize
	V Ajith Kumar	2015-16	First Prize
	E.Esakkiraj	2015-16	First Prize
	PS Deepak	2015-16	Second Prize
	M Ganesh	2015-16	Second Prize
	E.Esakkiraj	2015-16	First Prize
	CN. Kamaleshwaran	2016-17	First Prize
	V. JevinAbbishek	2016-17	First Prize
	Guna A	2016 -17	Second Prize
	Karthick T	2016-17	Second Prize
	Dharmesh Kumar R	2016-17	First Prize
EEE	S.Thendral	2016-17	Second Prize
	C.Bhuvanashree	2013-14	Third
	D.Sathya	2013-14	Third
	T.Nandhini	2013-14	First
	D.Sreehari	2013-14	First
	D.Sreehari	2013-14	Second
	T.Nandhini	2013-14	Second
	D.Sathya	2013-14	Second
	T.Nandhini	2013-14	First
CSE	Sri Kumar S	2013-14	First Place
	Sri Kumar S	2013-14	First Place
	DivyaShri G	2013-14	First Place
	Priyadharshini S	2013-14	Third Place
	DivyaShri G	2014-15	Second Place

CSE	Amresh.V.S	2014-15	Second Place
	Amresh.V.S	2014-15	Second Place
	Balaji.S	2015-16	Second Place
	Balaji.S	2015-16	Second Place
	P.Santhoshkrishnan	2015-16	Second Place
	ReetaMonika	2016-17	Third Place
	Ashwini.G	2016-17	First Place
	SakthiManikannan.A	2016-17	First Place
	Sanjay.V	2016-17	First Place
	Parthasarathi.R.V	2016-17	First Place
	ReetaMonika.E	2016-17	First Place
	Mythily.M	2016-17	First Place
	Aliyathagasin.M	2016-17	First Place
	Yogalakshmi.S	2016-17	First Place
	Kowsalya.K	2016-17	First Place
	Karthik Raja	2016-17	First Place
	FaslulFarisa.k	2016-17	First Place
	Priyanga.M	2016-17	First Place
	Sri Kumar S	2016-17	First Place
	Nikitha.M	2016-17	First Place
	Aiswarya.R	2016-17	First Place

CSE	Praveena N	2016-17	First Place
	Manjula.S	2016-17	First Place
	Santhanamari.L	2016-17	First Place
	Ranjeetha P	2016-17	First Place
	Sarranya K	2016-17	First Place
	Nithya.R	2016-17	First Place
	Anushiya M	2016-17	First Place
IT	Sachin T Francis	2014-15	Second place
	Babu A	2014-15	Second place
	Poongundran	2016-17	First Place
	Soundarya.S	2016-17	First Place
	Lakshmi Priya.M	2016-17	First Place
	Sanjana	2016-17	First Place
	Ganeshwari	2016-17	First Place
	Jaya Prathosh P	2016-17	First Place
Civil	S.Satheesh Kumar	2015-16	Third Place
	Devan.G	2015-16	First Place
	EnishKumar.S	2015-16	First Place
	Ragul .R	2015-16	First Place
	R.Kiruthika	2015-16	Third Place
	K.Meena	2015-16	Third Place

Civil	P.Dharani	2015-16	Third Place
	S.Satheesh Kumar	2015-16	First Place
	S.Satheesh Kumar	2015-16	First Place
	S.Satheesh Kumar	2015-16	Second Place
	S.Satheesh Kumar	2015-16	Second Place
	Thilagavathi .A	2014-15	Second Place
	Kiruthika .R	2014-15	Second Place
	Hariharan .M	2014-15	Third Place
	Ragul .R	2014-15	Third Place
	KarthikRaja.G	2014-15	Third Place
	EnishKumar.S	2014-15	Third Place
	Devan .G	2014-15	Third Place
	SathishKumar.K	2014-15	Third Place
	Ajith .A	2014-15	Third Place
ECE	Saravanan.M	2015-16	First Place
	A.Dhlipkumar	2015-16	First Place
	Jeyasheela.R	2015-16	Second Place
	TamizhSelvan P	2015-16	Quarter Finals
	Vinoth Kumar M	2015-16	Quarter Finals
	Aravindasamy M	2015-16	Quarter Finals
	Jeyaram A	2015-16	Quarter Finals

ECE	Vignesh G	2015-16	Quarter Finals
	Ranjithkumar D S	2015-16	Quarter Finals
	Padmapriya S	2015-16	Quarter Finals
	Arunkumar T	2015-16	Quarter Finals
	Dhanaraj V	2015-16	Quarter Finals
	Arokkiajulie A	2015-16	Quarter Finals
	RanjithKumar.G	2015-16	Finals
	Karthikeyan.K	2015-16	Finals
	Kavin.R	2015-16	Finals
	Kamali.K	2015-16	Finals
	Manisha.A	2015-16	Finals
	Reshma.E.R	2015-16	Finals
	P.Karthikeyan	2014-15	First Place
	R.Vigneshbabu	2014-15	First Place
	S.Davidkumar	2014-15	Third Place
	M.Bharath	2014-15	Third Place
	M.Arunkumar	2014-15	Third Place
	M.Hariprasaad	2014-15	Third Place
	DivyaBharathi.N	2014-15	Third Place
	DivyaBharathi.K.S	2014-15	Semi Finals
	SanjuSnehaPriya J	2014-15	Semi Finals

ECE	Sathyaseelan.K	2014-15	Semi Finals
	Sri Ramakrishnan.S	2014-15	Semi Finals
	J.Kalirajan	2014-15	Semi Finals
	N.Nandakumar	2014-15	Semi Finals
	M.ManiBharathi	2014-15	Semi Finals
	Aiyan Raj	2014-15	Semi Finals
	Sri Bhuvaneswari.A	2014-15	Semi Finals
	Sridharan K	2014-15	Semi Finals
	Sruthi M K	2014-15	Semi Finals
	Vijayakumar M	2014-15	Semi Finals
MBA	Muralidharan	2014-15	Third Place
	Deepa	2014-15	Third Place
	O.KarthikBarathy	2014-15	Third Place

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. Who may discontinue their studies if some sort of support is not provided)?

The institute collects data of students at the beginning of every semester. The personal details of students are updated into the AdithyaLMS every semester. It also contains academic related activities like assessment test, internal exams, university exams etc. Each faculty Advisor (tutor) is put in charge of 20 students. The tutor monitors, shapes and advices them to ensure their overall comprehensive growth and achievements. Tutors also play an important role in identifying economically weaker section of the students.

Slow learners and potential drop outs are cared for by tutors, who identify their needs and take them to the appropriate authorities for further counseling. The slow-learners are given extra coaching for their improvement

2.3 TEACHING-LEARNING PROCESS

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

Academic calendar

The college academic Calendar is prepared ahead of the commencement of every semester. This schedule is prepared taking into account the academic schedule provided by Anna University which includes schedule for commencement of classes, internal tests, last instruction day, university theory and practical examination schedules.

This calendar is uploaded into the Adithya LMS at the start of each semester and is accessible by students and faculty members.

The Academic Calendar comprises of:

- Date for commencement of classes
- Internal Assessment test dates
- Details of all applicable Holidays

ACADEMIC CALENDER 2016-2017 - EVEN SEMESTER						
Day	December	January	February	March	April	
Monday						
Tuesday						
Wednesday			1 (IA-1)	1		
Thursday			2 (IA-1)	2		
Friday			3 (IA-1)	3		
Saturday			4 (Alternate Saturday Holiday)	4 (Alternate Saturday Holiday)	1 (Alternate Saturday Holiday)	
Sunday		1 (NEW YEAR)	5	5	2	
Monday		2	6	6	3	
Tuesday		3	7	7	4	
Wednesday		4	8	8	5	
Thursday		5	9	9	6	
Friday		6	10	10	7	
Saturday		7 (Working Day)	11 (Working Day)	11 (Working Day) (IA-2)	8 (Working Day)	
Sunday		8	12	12	9 (Mahavir Jayanti)	
Monday		9	13	13 (IA-2)	10	
Tuesday		10	14	14 (IA-2)	11 (IA-3)	
Wednesday		11	15	15	12 (IA-3)	
Thursday		12	16	16	13 (IA-3)	
Friday		13	17	17	14 (Good Friday)	
Saturday		14 (Tha pongal)	18 (Alternate Saturday Holiday)	18 (Alternate Saturday Holiday)	15 (Alternate Saturday Holiday)	
Sunday		15 (Mathu Pongal)	19	19		
Monday		16 (Uzhavar Thirunai)	20	20		
Tuesday		17	21	21		
Wednesday		18	22	22		
Thursday		19	23	23		
Friday		20	24	24		
Saturday		21 (Working Day)	25 (Working Day)	25 (Working Day)		
Sunday		22	26	26		
Monday	26 (Reopening)	23	27	27		
Tuesday	27	24	28	28		
Wednesday	28	25		29 (Telugu New Year)		
Thursday	29	26 (Republic Day)		30		
Friday	30	27		31		
Saturday	31 (Working Day)	28 (Working Day)				
Sunday		29				
Monday		30				
Tuesday		31				
		IA EXAMS				
		GOVT HOLIDAYS				
	December	January	February	March	April (Upto 15 th)	Total
Total Working Days	6	23	22	24	10	85
Total Holidays	0	8	6	7	5	26
Total Days	6	31	28	31	15	111

Teaching plan

At Adithya Institute of Technology the Adithya LMS forms the backbone of the teaching learning process.

Subject allotment for the forthcoming semester is planned ahead of the

semester after which the respective subject faculty member prepares materials and uploads the materials for the allotted subject before the classes commence.

The course materials include

Lesson Plan

Unit Overview

Session Plan

Session wise Notes

Session wise Question and answers

Session wise Additional resources (PPT's, Videos)

Application of Concept

Session wise quizzes (for LMT)

E copy of text books if available

Old university question papers

Question bank for all units

Evaluation blue print

Since the Institution is an affiliated one, it adopts the guidelines provided by the Anna University to evaluate the students.

Evaluation

The examination cell of the institution prepares the schedule for internal assessment tests. These schedules are integrated into the Academic Calendar for holistic reference and execution.

The evaluation is done as per the curriculum design.

The evaluation pattern consists of continuous internal assessment and university examination with 20% and 80 % weightage respectively.

The internal assessment comprises of 20 marks which is an average of three internal tests.

The internal test questions are prepared by the concerned faculty member and reviewed by the HODs before sending it to the Examination Cell.

The answer scripts are evaluated after the examinations and are returned to the students and an opportunity is given to the students to discuss the evaluation with the teacher.

2.3.2 How does IQAC contribute to improve the teaching – learning process?

IQAC meets once in three months for the development and application of quality benchmarks/parameters for various academic and administrative

activities of the institution.

Functions:

- Creating a Quality Culture in the institution.
- Arrangement and analysis of feedback and response from students, faculty, alumni and other stakeholders on quality-related institutional processes.
- Initiation of Corrective Action based on the feedback received.
- Organization of inter and intra institutional workshops, seminars on quality related themes.
- Documentation of the various programmes/activities leading to quality improvement.
- Conducting physical equipment Lab audits.

2.3.3 How learning is made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

At Adithya Institute of Technology various measures are taken up to make the learning student centric.

Faculty Development workshops are conducted every semester by WIPRO Mission 10X at Adithya Institute of Technology campus. These workshops are mainly intended to train teachers on alternative teaching methodologies which helps to inculcate deep learning skills in students.

The support structures and systems available for teachers are

- ICT enabled classrooms which help in interactive learning.
- Research and Special Labs which creates room for implementation of concept.
- Technical presentation classes and group discussion forums and group application oriented projects which help in collaborative learning.
- Workshops and FDP's are arranged for faculty members who are trained and are competent to impart technical skill to students.
- At Adithya Institute of Technology it is mandatory for each student to execute an application oriented project at the end of each Skill development training program. This helps the student in independent learning.
- Each semester a minimum of two industrial visits are carried out.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

- In order to nurture critical thinking and creativity among the students, they are encouraged to take up projects in special labs and apply for patents.
- Students are motivated to participate in regional level and national level project competitions, design contests, workshops, seminars and symposiums.
- The travel allowances for students participating in such events are provided by Adithya Institute of Technology management.
- All departments organize events like symposiums in which students along with faculty member's work together for the success of the event. This culture improves the scientific temper among the students.
- Internet is made available even on holidays.
- Students are motivated to take up application oriented projects in SDT courses which enhance their critical thinking.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

- The Adithya LMS which is the backbone of the teaching learning process which is accessible 24X7.
- Each faculty uploads the following course materials for the corresponding sessions
 - Notes
 - Quizzes
 - Question bank
 - PPTs
 - Videos
 - Application of Concept
- Students can view these resources from anywhere any time.

- All details regarding students are available in this centralized facility, which helps faculty to easily monitor and track student's attendance, marks etc.
- Smart class rooms are available through which additional resources like power point presentations, videos etc. of a particular session can be delivered to the students.
- Faculty members have been provided with access to e-resources available on DELNET.
- Faculty members use open educational resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT),
- Faculty members also have access to special labs and research labs which helps them to demonstrate application of concept for subject courses.

2.3.6 How are the students and faculty exposed to advanced knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

The students and faculty members of Adithya Institute of Technology are exposed to advanced knowledge through the following processes

Students

- Renowned people from industries and academia are invited to provide Guest lectures on latest technologies.
- Students use web based tool called Moodle, we customized this tool and named as Adithya LMS, which are accessible from anywhere.
- Seminars, workshops and conferences are organized by different departments in order to expose the students to advanced levels of knowledge
- Students are encouraged to participate in seminars, workshops and conferences organized by other institutions.
- Students prepare themselves to participate in various advanced level competitions conducted by leading organizations like Wipro, CAD center , National Level Hackathons, Contest conducted by government agencies etc
- Students also work out solutions for real-time problems during SDT.

Faculty

- The institution faculty attends FDPs/Workshops of their relevant field of expertise.

- The college encourages faculty members to present papers in national and international conferences.
- Faculty members are taking training from WIPRO, INTEL, CISCO for their knowledge improvement and also to train the students.
- Faculty members are encouraged to visit industries to equip themselves with firsthand knowledge on industrial trends.

2.3.7 Detail (process and the number of students\ benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/ mentoring/ academic advise) provided to students?

- Each class is assigned class in-charge who keeps track of the academic progress of the students from the first year to the final year from attendance to the overall grades obtained.
- Each Faculty advisor is allotted 15 to 20 students to provide academic, personal and psycho-social support and guidance services.
- Tutor-ward system for counseling, mentoring and to improve the academic performance of the students.
- The faculty advisor is constantly in touch with the parents/ guardians.
- Once in a year there will be a meeting for all students with Chairman in which the students express their needs and grievances.
- Heads of the departments and principal also put their efforts to counsel the students, especially in the first year who are facing difficulties in adapting to the engineering environment

Academic year	Branch	Names of Students - Year	Counseling		
			Type	By	Impact
2015-16	EEE	P.Kabilan-II Yr	Individual Counseling	Advisor	Result Improvement
2014-15	CSE	M.Guhan – III Yr 'A'	Individual Counseling	HOD & Tutor	Result Improvement
		R.Karthick – III Yr 'A'	Individual Counseling	HOD & Tutor	Result Improvement
		K.RajaSelvam – III Yr 'B'	Individual Counseling	HOD & Tutor	Result Improvement
		R.Raagull – III Yr 'B'	Individual Counseling	HOD & Tutor	Result Improvement
		R.AnanthaPriyadhars hini– III Yr	Individual Counseling	HOD & Tutor	Result Improvement
		S.Sujindar – III Yr	Individual Counseling	HOD & Tutor	Result Improvement

2014-15	CSE	R.Loganathan – III Yr	Individual Counseling	HOD & Tutor	Result Improvement
2015-16		Sri Kumar.S- II Yr	Individual Counseling	HOD & Tutor	Result Improvement
		Naveen.R-IIIYr	Individual Counseling	HOD & Tutor	Result Improvement
		K.DineshPrabhakara n-IIIYr	Individual Counseling	HOD & Tutor	Result Improvement
		Naveen.R-IIIYr	Individual Counseling	HOD & Tutor	Result Improvement
		T.Gowthaman-IIIYr	Individual Counseling	HOD & Tutor	Attendance Improvement
		T.Ramya IV Yr	Individual Counseling	HOD & Tutor	Result Improvement
		Kiran.B-IV Yr	Individual Counseling	HOD & Tutor	Result Improvement
2015-16		M.Maheshbabu- II Yr	Individual Counseling	HOD & Tutor	Attendance Improvement
		R.Indhumathi- II Yr	Individual Counseling	HOD & Tutor	Attendance Improvement
		Lokesh.J - IVYr	Individual Counseling	HOD & Tutor	Result Improvement
2016-17		M.Maheshbabu- III Yr	Individual Counseling	HOD & Tutor	Attendance Improvement
		R.Indhumathi- III Yr	Individual Counseling	HOD & Tutor	Attendance Improvement
2015-16	IT	T.Chinraj-II Yr	Individual Counseling	HOD & Tutor	Result Improvement
		R.JayaPrathosh- III Yr	Individual Counseling	HOD & Tutor	Result Improvement
		M.Bhuvaneshwari-II Yr	Individual Counseling	HOD & Tutor	Attendance Improvement
		Reshmi.R-IV Yr	Individual Counseling	HOD & Tutor	Result Improvement
		M.Bhuvaneshwari III Yr	Individual Counseling	HOD & Tutor	Attendance Improvement
2014-15	ECE	Kajamoideen.S –II Yr	Individual Counseling	HOD & Tutor	Attendance Improvement
		Manibharathi.M –III Yr	Individual Counseling	HOD & Tutor	Result Improvement
		Fayazahamed.M.M- III Yr	Individual Counseling	HOD & Tutor	Result Improvement
		Nizar Ahamed.B-III Yr	Individual Counseling	HOD & Tutor	Result Improvement
		Irshad Ahamed.N- IV Yr	Individual Counseling	HOD & Tutor	Attendance Improvement
		Mounish.P-IV Yr	Individual Counseling	HOD & Tutor	Result Improvement

2015-16	ECE	Arunkumar.T- II Yr	Individual Counseling	HOD & Tutor	Attendance Improvement
		Rajkumar.R- II Yr	Individual Counseling	HOD & Tutor	Motivated to Participate in Workshops
		Indumathi – III Yr	Individual Counseling	HOD & Tutor	Attendance Improvement
		Anandkumar – III Yr	Individual Counseling	HOD & Tutor	Result Improvement
		S.Davidkumar	Individual Counseling	HOD & Tutor	Participated in National Level Competition by WIPRO
		M.Bharath	Individual Counseling	Principal	Participated in National Level Competition by WIPRO
		M.Arunkumar	Individual Counseling	Principal	Participated in National Level Competition by WIPRO
		M.Hariprasaad	Individual Counseling	Principal	Participated in National Level Competition by WIPRO
2016-17	ECE	Ranjithkumar D S- III Yr	Individual Counseling	HOD & Tutor	Result Improvement
		Ranjithkumar D S- III Yr	Individual Counseling	Principal	Taken up DST Project
		TamizhSelvan P- III Yr	Individual Counseling	Principal	Taken up DST Project
2016-17	ECE	Vinothkumar M- III Yr	Individual Counseling	Principal	Taken up DST Project
		Aravindasamy M- III Yr	Individual Counseling	Principal	Taken up DST Project
		Jeyaram A- III Yr	Individual Counseling	Principal	Taken up DST Project
		Vignesh G- III Yr	Individual Counseling	Principal	Taken up DST Project
		Padmapriya S- III Yr	Individual Counseling	Principal	Taken up DST Project
		Arunkumar T- III Yr	Individual Counseling	Principal	Taken up DST Project

		Dhanaraj V- III Yr	Individual Counseling	Principal	Taken up DST Project
		Arokkiajulie A- III Yr	Individual Counseling	Principal	Taken up DST Project
		Moorthy.N- III Yr	Individual Counseling	HOD & Tutor	Result Improvement
		Moharsh A M- III Yr	Individual Counseling	HOD & Tutor	Result Improvement
		Aravindasamy M- III Yr	Individual Counseling	HOD & Tutor	Result Improvement
		Arunkumar T- III Yr	Individual Counseling	HOD & Tutor	Result Improvement
		Arunkumar T- III Yr	Individual Counseling	HOD & Tutor	Attendance Improvement
2012-13	Mech	Raguwaran.P IV	Individual Counselling	Tutor & Hod	Attendance Improvement
		Boopathi.M IV Yr	Individual Counselling	Tutor & Hod	Result Improvement
		Nithyanand III	Individual Counselling	Tutor & Hod	Attendance
2012-13	Mech	Neil Fernandez.W II Yr	Individual Counselling	Tutor & Hod	Result Improvement
		Aravindh.K II Yr	Individual Counselling	Tutor & Hod	Result Improvement
		Sivasubramanian.N II Yr	Individual Counselling	Tutor & Hod	Result Improvement
		Santhosh kumar.S III yr	Individual Counselling	Tutor & Hod	Result Improvement
		Arun.R III Yr	Individual Counselling	Tutor & Hod	Result Improvement
		Aravindh.K II Yr	Individual Counselling	Tutor & Hod	Attendance Improvement
2013-14		Prasanth.P III Yr	Individual Counselling	Tutor & Hod	Attendance Improvement
		Bala murugan.R III Yr	Individual Counselling	Tutor & Hod	Result Improvement
		Kathirvel.N III Yr	Individual Counselling	Tutor & Hod	Result Improvement
		Vigneshkumar.K IV Yr	Individual Counselling	Tutor & Hod	Attendance Improvement
		Selva.T II Yr	Individual Counselling	Tutor & Hod	Result Improvement
		2014-15	Magesh L III Yr	Individual Counselling	Tutor & Hod
Manoj R III Yr			Individual Counselling	Tutor & Hod	Result Improvement
Mukesh P III Yr			Individual Counselling	Tutor & Hod	Result Improvement

		Barath B III Yr	Individual Counselling	Tutor & Hod	Result Improvement
		Manikandan P III Yr	Individual Counselling	Tutor & Hod	Attendance Improvement
		Srinivasan T IV Yr	Individual Counselling	Tutor & Hod	Attendance Improvement
		Mohanraj V IV Yr	Individual Counselling	Tutor & Hod	Result Improvement
		Perumal N II Yr	Individual Counselling	Tutor & Hod	Attendance Improvement
2014-15	Mech	Muthukumar S II Yr	Individual Counselling	Tutor & Hod	Result Improvement
		Boja prasath J II Yr	Individual Counselling	Tutor & Hod	Attendance Improvement
		Akshay P II Yr	Individual Counselling	Tutor & Hod	Result Improvement
		Dheeraj kumar D II Yr	Individual Counselling	Tutor & Hod	Attendance Improvement
2015-16		Nandhakumar V IV Yr	Individual Counselling	Tutor & Hod	Result Improvement
		Praveen Kumar J III Yr	Individual Counselling	Tutor & Hod	Result Improvement
		Guhan .K II Yr	Individual Counselling	Tutor & Hod	Attendance Improvement
		Pranesh. S II Yr	Individual Counselling	Tutor & Hod	Attendance Improvement
2016-17		Ajay .R IV Yr	Individual Counselling	Tutor & Hod	Cleared arrear papers
		Arul Kumar III Yr	Individual Counselling	Tutor & Hod	Cleared arrear papers
		Kishore SP III Yr	Individual Counselling	Tutor & Hod	Attendance
		Sasi devaraj .J III Yr	Individual Counselling	Tutor & Hod	Attendance
		Duvanmydeen .N III Yr	Individual Counselling	Tutor & Hod	Attendance
		Pradeep.P II Yr	Individual Counselling	Tutor & Hod	Attendance Improvement

2016-17	Civil	Gowtham.K-III	Individual Counseling	Tutor	Cleared fifth semester Subjects
2012-13	Mech	B.Barath – I yr	Individual Counseling	HOD & Tutor	Result Improvement
	IT	R.Babu– I yr	Individual Counseling	HOD & Tutor	Result Improvement
	EEE	K.Aravind Kumar– I yr	Individual Counseling	HOD & Tutor	Proper Attendance
	ECE	S.Priya– I yr	Individual Counseling	HOD & Tutor	Result Improvement
	Mech	A.Dhivin– I yr	Individual Counseling	HOD & Tutor	Result Improvement
	IT	S.Swathi– I yr	Individual Counseling	HOD & Tutor	Result Improvement
	EEE	P.Sindhu– I yr	Individual Counseling	HOD & Tutor	Result Improvement
	ECE	R.Vijay– I yr	Individual Counseling	HOD & Tutor	Proper Attendance
2013-14	Mech	M.Jibin– I yr	Individual Counseling	HOD & Tutor	Proper Attendance
	IT	R.Reshmi– I yr	Individual Counseling	HOD & Tutor	Result Improvement
	CSE	T.Gowtham– I yr	Individual Counseling	HOD & Tutor	Proper Attendance
	EEE	R.Mukesh– I yr	Individual Counseling	HOD & Tutor	Proper Attendance
	ECE	A.Rajkumar– I yr	Individual Counseling	HOD & Tutor	Proper Attendance
	CIVIL	M.Hariharan– I yr	Individual Counseling	HOD & Tutor	Proper Attendance
2013-14	Mech	K.Praveenkumar– I yr	Individual Counseling	HOD & Tutor	Proper Attendance
	CSE	S.Vishnupriya– I yr	Individual Counseling	HOD & Tutor	Result Improvement
	EEE	P.Dhanapalan– I yr	Individual Counseling	HOD & Tutor	Proper Attendance
	ECE	U.Tamilselvan– I yr	Individual Counseling	HOD & Tutor	Result Improvement

2.3.8 Provide details of innovative teaching approaches/ methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

Innovative teaching approaches and methods adopted by the faculty are

- Practical oriented Teaching.
- Skill Development Training.
- Skill development projects are assigned to individual students & best projects are honored during Annual day function.
- Tutorials involving smaller groups of students led by academic tutors.
- Video lectures from NPTEL.
- Hands on practical sessions above curriculum at various Centers of Excellence like Intel, Wipro, Cisco, Energy Lab, Automobile Engineering and Industrial Automation
- Application oriented projects turned out to product models in the Product Laboratory
- Special training for Logical reasoning and aptitude on weekly basis.

Efforts made by the institution to adopt new and innovative approaches:

- The Management arranges enrichment programs in teaching-learning process including Micro teaching Programs and WIPRO Mission 10X programs on innovative and outcome based teaching methods.
- AdithyaLearning Management System [<http://lms.adithyatech.edu.in>] with 24 X 7 accessibility to both student and staff members.
- Established Centers of Excellence.
- Training for Group Discussion by external experts.
- ICT enabled class rooms; OHP, LCD, etc. are used for teaching purposes.
- The impact of such innovative practices expose students to modern teaching methods, better understanding of the concepts and enhanced knowledge transfer
- The Impact of such practices has led to students competing in various national and International competitions conducted by companies like Intel, Wipro, Bosch and government agencies like HRD Ministry and DST.

2.3.9 How are library resources used to augment the teaching-learning process?

The institution has well established library and information centre with the following facilities

- Library is equipped with OPAC-Online Public Access System, through which users can browse to access books easily.

- 19,209 volumes of books in all the disciplines of Engineering in 4435 titles.
- Digital Library facility is available.
- The Library also has a separate reference section.
- Each faculty member can avail 8 books.
- Each student can avail 3 books and retain the same for 15 days, after which renewal is mandatory.
- The library subscribed National and international journals like IEEE/ASME/SPRINGER.
- The library also has various books for preparation of competitive exams like IAS, IES etc.
- E-books and Journals are also available through DELNET and NDL.
- The library also subscribes to several technical magazines.
- Back volumes of the project works and SDT Project works are available for case studies.
- Photocopying facility available.
- Library also subscribes to various daily newspapers which are placed at different locations of the campus for students to read.
- These facilities provide ample resources to augment the teaching learning process.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

No, the institution did not face any challenges in completing the curriculum within the planned academic calendar.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

- Every semester, the institute conducts three Internal Assessment Examinations (IAEs) as per the Anna University norms. An opportunity to take up retest is provided on genuine grounds.
- The performance of students in terms of marks is gauged using reports from AdithyaLMS which is taken as the indicator of the Teaching Learning System.
- Monthly Internal Assessment Meeting is conducted in the departments through which students who have scope for improvement are identified and special coaching is provided by respective subject faculty during eighth hour class.
- Faculty log book and Class log book are monitored by the heads every 15 days and attendance shortage is discussed during TWM.
- Periodical Class Committee meeting (Three times each semester)

- Completion of Syllabus both theory and labs are monitored with help of learning management System reports.
- Direct online feedback is obtained from students of all classes once every semester. This analysis is used by the course teachers for performance improvement.
- Audit of University Question Paper is done on day of completion of university examination of the respective subject.
- Performance of each class in individual subjects is evaluated through result analysis conducted every semester.
- The HoD and / or the Principal audit at random, the classes thereby obtaining a real time feedback on the teaching process.
- Self – appraisal by faculty and appraisal by HoD at the end of each year are also taken into account for planning improvement strategies in teaching.

2.4 TEACHERS QUALITY

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resources (qualified and competent teachers) to meet the changing requirements of the curriculum

- At the end of every academic year requirement of faculty for the next academic year are submitted by the HODs to the Management through principal for approval.
- This proposal is based on changing requirements in curriculum, faculty members relieving from service, faculty members availing maternity leave etc.
- Based on therequirement and approval applications are called for and interviews are conducted to select the right candidates.

Recruitment Policies

The institution follows AICTE and Anna University norms for recruitment of faculty members.

The recruitment of the faculty is made by the selectioncommittee purely on merit, experience and qualification. In order to provide industrial insight to students, candidates with industrial experience are given moreweightage.

Subsequently appointment orders are issued for the selected candidates.

Strategies for faculty retention

- Adithya Institute of Technology provides a favorable environment for career growth by encouraging faculty members to pursue Ph.D.
- Members pursuing Ph.D can avail on duty as per norms during their course of study.

- Work culture is based on ownership model .The work culture model followed is bottom to top hierarchy where each faculty member is encouraged to become the owner of the process.
- Incentives for paper publication.
- Yearly increment
- EPF benefits
- Maternity leave
- Encouraged to attend Faculty Development Programs /Seminars and Workshops and in certain cases provided with financial assistance for the same.
- Encouragement for filing patents.
- Advanced laboratory and research laboratory facilities to pursue research and consultancy work.
- AdithyaLMS facility which helps faculty members, keep track of everything from course work to attendance.
- Salary advance if requested.
- Vacation, Compensation, On duty as permissible.
- Free accommodation for faculty members staying in college hostel.
- Free Transport.

2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last four years.

Adithya Institute of Technology does not face any major challenges in getting qualified senior faculty as our institution offers only core courses like Civil, CSE, ECE, EEE, IT and Mechanical. However to keep up with the updated trends Adithya Institute of Technology encourages faculty member to attend FDP's ,Pedagogies in Teaching Learning ,Workshops, Conferences and Seminars.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a. Nomination to staff development programmes:

Academic Staff Development Programmes	Number of faculty nominated						
	Civil	CSE	ECE	EEE	IT	Mech	MBA
FDP	3	6	24	15	0	11	3
Workshops/ Summer Winter Schools	-	24	14	6	4	32	2
Conference Attended	-	31	15	22	2	8	23

b. Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

- **Teaching learning methods/approaches**
- **Handling new curriculum**
- **Content/knowledge management**
- **Selection, development and use of enriched materials**
- **Assessment**
- **Cross cutting issues**
- **Audio Visual Aids/multimedia**

The List of some of the Training Programmes are as follows:

S No	Title of Event	Resource Person	Designation	Institution/ Company	Date of Event
Department of Civil Engineering					
1	Engineer's Day	Dr. K G Bhatia	CEO	D-CAD Technologies, New Delhi.	15.09.16
2	One Day Workshop on Earthquake Resistant Design of Buildings and Industrial Structures	Dr. K G Bhatia	CEO	D-CAD Technologies, New Delhi.	15.09.16
3	Inauguration of Association of Civil Engineering	Er. Elangovan	Supdt. Engineer	PWD-WRD Pollachi	09.07.16
4	One day National Conference on "Geo-spatial Techniques and its Applications in Sustainable Development"	Dr Natarajan	Professor	Karpagam University	26.03.16

5	One day workshop on "Modern Surveying Techniques"	Dr.M.Kartic Kumar	Assistant Professor	Department of Civil Engineering Adithya Institute of Technology	05.01.16
6	Workshop on "Field oriented techniques for Effective concreting"	Er.K.DineshBabu	Project Manager	TeleoisInfratech	21.12.15 to 23.12.15
7	Guest Lecture on "Career Enhancement in Civil Engineering"	Dr.D.Suji	HoD	Department of Civil Engineering Adithya Institute of Technology	18.12.15
8	Training Program on "Understanding Structural Dynamics with Application to Engineering Industry"	Dr.K.G.Bhatia	CEO	D-CAD Technologies, New Delhi.	26.08.15
9	National level workshop on "Successful Writing of Journal papers and Research Proposal"	Dr.S.Nellamani	Senior Research Scientist	Coastal management Programme, Kuwait	18.08.15
10	Quality Conclave – Challenges for Quality in Higher Education and Innovative Methods to meet them	Prof (Col.)Dr.RameshKasetwar	CEO	Quality Plus, Pune & Chairman Designate, Peer Team, NAAC, Bangalore	07.03.15
		Dr.K.Narashiman	Director	AU-TVS Center for Quality Management, Anna University.	

		Dr.B.Anirudhan	Principal	Nehru Arts and Science College, Coimbatore	
		Dr.K.Porkumaran	Principal	Dr.N.G.P Institute of Technology, Coimbatore.	
11	Workshop on “Modern Surveying Techniques using Total Station”	Er. J. Suresh	Manager	Green Land Associates, Coimbatore	02.03.15
12	National Level Seminar on “Composite Structures & Dynamics of Machine Foundation”	Dr.S.R.Satish Kumar	Professor	Structural Engineering Laboratory, Dept. of Civil Engineering, IIT Madras	03.02.15
		Dr. K G Bhatia	CEO	D-CAD Technologies, New Delhi.	
13	Regional Seminar on “Zero Energy Architecture & Sustainable materials Buildings to mitigate carbon footprints”	Ar.M.Bhuvanashundar	Managing Director	SundarSundaram Architects	09.01.15
		Dr.R.Thenmozhi	Professor	Government College of technology	
14	One Day workshop on “Advanced Surveying Instruments”	Mr.M.S.Kaviraj	Assistant professor	Adithya Institute of Technology	20.12.14
15	National Workshop on “Health Monitoring, Non-Destructive Testing, Evaluation of Structures	Dr.E.B.Perumal Pillai	Principal	RMKCET, Chennai	29.09.14

16	Guest Lecture on “Software Applications in Civil Engineering”	Mr.R.Balraj	Manager	Arris CADD Technology, Coimbatore.	19.08.14
17	National Workshop on Advanced Surveying using GEN- X Instruments	Dr.R.Murugesan	President	ISTE, New Delhi	19.07.14
		Dr.E.B.PerumalPillai	Principal	RMKCET, Chennai	
Department of Mechanical Engineering					
1	FDP for Autodesk Inventor	Mr.Kathirvel	Program RM	Karunya University	24.10.16 to 28.10.16
2	Solid modeling technique and application of special Feature using solid works	M/s Surendaran .R	Training Engineer	Simtek	15.06.16 to 18.06.16
3	Application of automation Studio in hydraulic and pneumatic Circuit Design	M/s Kumarashan. P	Training Engineer	Applied Digital Micrologics India	27.08.13 to 28.08.13
4	CNC Programming and code generation technique using Edge CAM	M/s Mohanraj. A.	Training Engineer	Kriatec Services	14.05.13 to 16.05.13
5	Application of FEA in structural and Thermal domain using ANSYS	M/s Radhakrishanan .K	Training Engineer	Innovent simulating ideas	14.02.13 to 15.02.13

Department of Computer Science and Engineering and Information Technology					
1	ISRO World Space Week	Scientists from SDSC, SHAR, ISRO-Sriharikota	Scientists	Scientists from SDSC SHAR, ISRO-Sriharikota	06.10.16 - 08.10.16
2	Guest Lecture on Internet of Things in association with CSI Coimbatore Chapter	Dr. Chandra Blessie.E	Associate Professor	Nehru College of Management	23.09.16
3	IoT Challenge 2016 - Two Days Workshop on IoT	Mr. Deepak Shrivastava, Mr. Sunny Bhardwaj Mr. Pranav	Embedded Engineer	i3indya Technologies	20.09.16 21.09.16
4	Guest Lecture on “From Engineer to an Entrepreneur”	Mr. Anush Kumar.R.	Technical Architect	Consensus Technologies, Coimbatore	04.08.16
5	Third National Conference on Innovative Intelligence in Computer Technology	Mr.SenthilKumar Murugesan	MD & CEO,	Unilogic Technologies Pvt.Ltd	18.03.16
6	Guest lecture on Basics in Multimedia	Mr.Sathish	Head	Yellow Tree Academy	08.03.16
7	Workshop on Python	Mr. Anush Kumar.R.	Technical Architect	Consensus Technologies Pvt. Ltd, Coimbatore.	25.02.16
8	INTEL College Excellence Program	Ms.YaminiShali Mr.AbdulSamad	Assistant Embedded Trainer Embedded Executive	Training Division FICE, India	15.02.16 19.02.16

9	Second National Conference on Innovative Intelligence in Computer Technology	Mr.B.Thiagarajan	Asst. Registrar	Central University of Tamilnadu, Thiruvavarur	25.09.15
10	One day Seminar on Big Data Analytics using R	Mr. Murali Krishna Abhishik Kumar	Analytics Consultant	Rplus Analytics	19.09.15
11	One Day Workshop on MIT SCRATCH	Mr. Surya,	Technical lead	EduSeva	15.09.15
12	One day Seminar Mobile App development	K.S. Rajprakash	Senior Manager	Be Positive Technologies, Coimbatore.	12.09.15
13	Guest Lecture on Big Data Analysis	Mr. Ravi	Technical Trainer	Accent Techno Soft ,Coimbatore	15.09.15
14	First National Conference on Innovative Intelligence in Computer Technology	Dr. M. Sethumadhavan Dr.M.Sundaresan	Professor in Mathematics Dept Professor & Head	Head of TIFAC – Core in Cyber Security Amrita VishwaVidyapeetham BharathiyarUniversity	26.03.15 to 27.03.15

15	Workshop on Amazon certification in Big Data analysis	Mr. Ramesh	Senior Manager	Kalvi Higher Education and Research Institute , Coimbatore	20.02.15 21.02.15
16	Hands on Training on Google Apps	Mr.DwarakanathCheriyur	Technical lead	CloudReign , Coimbatore	29.12.14 30.12.14
17	National Conference on Cyber Security and Digital Forensics	Prof. K. Gangadharan,	Head - Student Academics	Amrita VishwaVidyapeetham University , Coimbatore	09.10.14 10.10.14
18	Seminar on recent trends in IT	Dr. PasumponPandian	Vice Principal & Professor	SACS MAVMM Engineering College , Madurai	09.08.14
19	National workshop on Vulnerable web applications and cyber security	Prof. S. Benson Edwin Raj	Professor	Higher college of Technology ,Oman	19.08.14 20.08.14
Department of Electronics and Communication Engineering					
1	Engineering Faculty Workshop	Prof Satheesh Kumar	Professor	Wipro Technologies, Bangalore	30.11.15 to 02.12.15

2	Engineering Faculty Workshop	Prof Satheesh Kumar	Professor	Wipro Technologies, Bangalore	23.03.15 to 25.03.15
3	FDP on Advanced Micro Processor	Mr.S.Muthukumar Mrs.W.Sherine Mary	AP/ECE AP/ECE	Adithya Institute of Technology	08.12.14 to 13.12.14
4	Inauguration Of Cisco Networking Academy	Shri.Anuradha Sharma	Program Manager Social Innovation Group, India, Nepal & Bangladesh	Cisco Systems	13.11.14
5	Winter Enrichment Programme	Prof.K.Smiles Mascarenhas	Retired Scientist	Raman Research Institute ,Bangalore	31.09.14 to 01.10.14
6	One Day Seminar on Analysis & Design of Analog Integrated Circuits	Prof .A.Sridevi	Associate Professor	SNS College of Technology	12.03.14
Department of Electrical and Electronics Engineering					
1	Concepts of Research and its Techniques	Dr.S.Kumanan	Prof and Head, Production Engineering	NIT,Trichy	25.07.14 to 26.07.14
Department of Science and Humanities					
1	FDP on Methodology of Teaching for effective Learning	Dr.A.Christinal Mary Sugunavathi	Principal	Government College of Education, Coimbatore	21.02.14
At the beginning of every semester faculty members are trained to upload contents into the LMS.					

c. Percentage of faculty

- **Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies**
- **Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies**
- **Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies**

Common to all branches

Programmes	2013-14	2014-15	2015-16	2016-17
Resource persons	1	20	5	1
Participated in external workshops	44	44	32	8
Presented paper	22	19	13	21

2.4.4 What policies/systems are in place to recharge teachers?(eg: providing research grants, study leave, support for research and academic publications, teaching experience in other national institutions and specialized programs, industrial engagement etc.)

The college always lends support for any endeavor

- Teachers are encouraged to apply for projects funded by Governmental Agencies such as DST, DRDO, ISRP, CSIR, ISRO, AICTE etc.
- Faculty members are encouraged to pursue higher studies.
- Workload for faculty pursuing higher studies is reduced.
- Staff members are encouraged to undertake consultancy works with remuneration.
- Faculty members also provided with remuneration for private exams conducted in college.
- Institution provides on duty and sponsors the faculty members to participate in FDPs/ STTPs/ Seminars/ Workshops/ Conferences both National and International level.
- FDPs in Microteaching and teaching learning methodologies are organized.
- Grant of leave and on-duty to research and visiting fellowship
- The college when recruiting a new faculty takes into account the years of experience accrued and the reputation of the institution in which the faculty had gained experience while designating the post.

2.4.5 Give the number of faculty who received awards/recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

No, the faculty has not received awards/recognition at state, national and international level for excellence in teaching during the last four years.

However faculty members have been recognized as reviewers of reputed journals and also acted as mentors for various project competitions conducted by Government of India HRD Ministry, DST and other reputed organizations like WIPRO and INTEL.

The Institution provides autonomy to teachers to plan and execute the teaching methodologies with well- stocked library, e-resources, and fast internet services along with financial support and encouragement for pursuing research.

Dept.	Name of the faculty	Name of the Award	Name of the Organization Issuing Award
Civil	Dr.D.Suji	Best Performer	Adithya Institute of Technology
	Ms.E.Niranjani	Best Performer	Adithya Institute of Technology
	Ms.B.AquinoJancy Rani	Best Performer	Adithya Institute of Technology
ECE	Dr.A.Rajendran	Best Performer	Adithya Institute of Technology
	Dr.A.Rajendran	Outstanding Educator & School Award	National Foundation for Entrepreneurship & Development
	Mr.V.S.Velladurai	Best Performer	Adithya Institute of Technology
	Mr.S.Muthukumar	Best Performer	Adithya Institute of Technology
	Mrs.W.Sherine Mary	Best Performer	Adithya Institute of Technology
	Mrs.K.P.Jamunalaksmi	Best Performer	Adithya Institute of Technology

ECE	Mr.P.Ravishankar	Best Performer	Adithya Institute of Technology
	Mrs.V.Ganga	Best Performer	Adithya Institute of Technology
	Mr.S.Mohammed Harris	Best Performer	Adithya Institute of Technology
	Ms.S.R.Romaa	Best Performer	Adithya Institute of Technology
	Ms.P.Muthuvidhya	Best Performer	Adithya Institute of Technology
	Mr.S.Mohammed Harris	Best Performer	Adithya Institute of Technology
	Ms.S.R.Romaa	Best Performer	Adithya Institute of Technology
	Mr.S.Muthukumar	Mentor/Hackathon/ HRD Ministry	HACKATHON
	Mrs.W.Sherine Mary	Mentor/Hackathon/ HRD Ministry	HACKATHON
	Mrs.W.Sherine Mary	Mentor	DST/TI-Project
	Mr.S.Muthukumar	Mentor/Hackathon/ HRD Ministry	HACKATHON
	Mr.S.Muthukumar	Mentor-National level-Third place	Wipro-Prakalpa
	Ms.P.Muthuvidhya	Best Performer	Adithya Institute of Technology
	Mr.K.Muniraj	Best Performer	Adithya Institute of Technology
	Mr.K.Jagdeesh	Best Performer	Adithya Institute of Technology
EEE	Mr.G.Vinoth	Best Performer	Adithya Institute of Technology
	Mr.D.V.Ravikumar	Best Performer	Adithya Institute of Technology
	Mr.R.Senthilkumar	Best Performer	Adithya Institute of Technology

EEE	Mr.T.Kirubakaran	Best Performer	Adithya Institute of Technology
	Mr.Lokesk.K	Best Performer	Adithya Institute of Technology
CSE	Dr.N.Chitradevi	Best Performer	Adithya Institute of Technology
	Mr.V.GaneshKarthikeyan	Best Performer	Adithya Institute of Technology
	Mr.S.Saravanakumar	Best Performer	Adithya Institute of Technology
	Mr.K.Sathyaseelan	Best Performer	Adithya Institute of Technology
	Mr.N.Navaneethakrishnan	Best Performer	Adithya Institute of Technology
CSE	Mr.R.Vadivel	Best Performer	Adithya Institute of Technology
	Mrs.B.Janani	Best Performer	Adithya Institute of Technology
	Ms.N.RamaKalpana	Best Performer	Adithya Institute of Technology
	Ms.V.M.Rupilaa	Best Performer	Adithya Institute of Technology
	Mrs.G.UmaMaheswari	Best Performer	Adithya Institute of Technology
	Mr. R. Sathish	Best Performer	Adithya Institute of Technology
	Ms.K.S.Jayarekha	Best Performer	Adithya Institute of Technology
	Ms.P.Kavitha	Best Performer	Adithya Institute of Technology
	Ms.P.Sobiyaa	Best Performer	Adithya Institute of Technology

IT	Mr.R.Sagaya Vivian	Best Performer	Adithya Institute of Technology
	Mr. T. SelvaPrabhu	Best Performer	Adithya Institute of Technology
	Ms.C.Yamini	Best Performer	Adithya Institute of Technology
	Ms.S.Pradeepa	Best Performer	Adithya Institute of Technology
Mech.	Mr.M.Subramanian	Best Performer	Adithya Institute of Technology
	Mr.A.Prabhu	Best Performer	Adithya Institute of Technology
	Mr.B.Charles	Best Performer	Adithya Institute of Technology
	Mr.A.C.Ram Kumar	Best Performer	Adithya Institute of Technology
MBA	Dr.C.Karthikeyan	Best Performer	Adithya Institute of Technology
	Ms.M.Vaishnavi	Best Performer	Adithya Institute of Technology
	Ms.V.K.Arthi	Best Performer	Adithya Institute of Technology
	Mr.N.Sivasankar	Best Performer	Adithya Institute of Technology

2.4.6 Has the institution introduced evaluation of teachers by the student and external Peers? If yes, how is the evaluation used for improving the quality of the teaching – learning process?

Yes, the institution has introduced more than one process by which students can evaluate the performance of teachers.

- Through class committee meetings held thrice a semester – the committee comprising of four members from the class along with the chairperson from a department.
- Closed door meeting by the HoDs with students.

- Internal and external audit of AdithyaLMS of individual faculty members are conducted periodically, followed up with corrective actions.
- On-line feed-back from every student of the class on the various aspects of the teaching- learning process.
- Based on the inputs received from the above feed-backs the performance level of the teacher is enhanced through self-training and through formal programs.
- Evaluation of the faculty is also done through Faculty appraisal every year.
- The online student feedback entry form is sampled below:

The screenshot shows the AdithyaLMS feedback form interface. The main content area lists seven feedback items for evaluation, each with a position number and a set of radio buttons for rating from 1 (Not Satisfactory) to 5 (Outstanding). The left sidebar shows navigation options like Participants, Badges, Session 1, Courses, and Administration. The right sidebar shows an Events key with options to hide global, course, group, and user events. The bottom status bar shows the time as 11:01 AM on 3/27/2017.

LMS feed back form

2.5. EVALUATION PROCESS AND REFORMS

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- The overall evaluation process is that prescribed by the affiliating Anna University (AU).
- The evaluation procedure is elaborated to stakeholders during the orientation programme at the beginning of each semester.
- Evaluation procedure

- The Controller of examinations of the college schedules the formative test periods and these are informed to faculty and students well ahead through bulletin boards and circulars.
- Three sets of internal assessment marks have to be uploaded into the web portal at an interval of one month through the semester.
- Anna University posts information on when the internal assessments marks have to be uploaded in the University web site and the dates are strictly adhered to.
- Individual student can view his/ her formative assessment marks by directly accessing the web portal.
- The marks uploaded in the portal is based on the best of either of the following:
 - 50% of marks from internal assessment test + 40% marks from LMT + 10% marks from Assignments or internal test marks out of 100.
- The mark information is also posted in the AdithyaLMS portal which can be accessed by all.
- The marks are also updated into the student Academic Performance record, and informed to parents through SMS.
- The format of question papers and the duration of the tests are also informed by the course teachers.
- After valuation, the students are informed of the detailed scheme of valuation while receiving the answer scripts ensuring transparency.
- The marks are also displayed in the department notice boards.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the forms initiated by the institution on its own?

- The college, being an affiliated institution, embraces the evaluation reforms brought in by the university, for the summative evaluation.
- The university has in the past two years ensured that the internal assessment marks are uploaded in the University website at regular intervals –the website automatically becomes inaccessible beyond a certain period of time.
- With respect to the internal assessment process, the college has adopted its own procedure:
 - Three internal assessment tests – three cycle tests at intervals of three weeks to four weeks and an end of semester model examination.
- Some of the positive changes brought in by the colleges are

- (i) Internal test is conducted for 50 marks & remaining 50 marks are allotted for LMT (40) and Assignment (10).
- As far as the lab courses are concerned, every experiment carried out by the student is marked and taken into account for internal assessment.
- Each discipline also formulates its own components of internal assessment based on the nature of the lab course including [Pre lab ,In lab Post lab

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the University and those initiated by the institution on its own?

The institution has a structured examination cell for the effective implementation of evaluation reforms initiated by university as well as institution. Any revisions on evaluation reforms received from university are intimated to the exam cell which in turn disseminates the same to faculty and students.

- Examination Management System (EMS) takes care of the evaluation process and reforms.
- The examination Cell of the college also facilitates the completion of procedures for revaluation of answer scripts for students who apply for the same. HoDs also do a random check of evaluated answer scripts to ascertain whether the teacher has marked according to the detailed scheme of valuation.
- Evaluation initiated by institution:
- For lab courses, end of semester model examination is conducted. This is effectively implemented through periodic audit by the department.
- To evaluate skill development training skill evaluation tests are conducted. This is effectively implemented through periodic audit by the department.

2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

Formative Evaluation Approach

- The primary objective of formative assessment is to monitor student learning, to provide feedback regarding the ongoing lectures that can be used by instructors to improve their teaching and simultaneously by students to improve their learning.
- Formative assessment of the students is done on the following parameters:
- Assignments

- Internal assessment Exam
- Learning Management Test

Summative Evaluation Approach

- The short comings in the learning process and performance are identified in the formative assessment and remedial measures are taken towards the progress of the students in the end semester examination.
- Students with good performance in the formative assessment are encouraged to get university ranks or gold medals. The average students improve their level of learning and the slow learners will also be successful in getting through the subjects.
- Students are encouraged to approach the HODs/ Senior Professors/ Project coordinator for doing application oriented project work.
- The students are required to design and fabricate the selected project, demonstrate its working and to submit a report.
- Best projects are awarded during the annual day celebration. It helps the students to enhance their placement prospects.
- The impact of above approaches leads to the students' progress and greater achievements at the end of programme.

University Rank Holders:

S.No	Register No	Name	Department	University Rank
1	080111131053	Varunpradeep S	Mechanical	40
2	080111131036	Ravindrakumarsharma M	Mechanical	49
3	100107131044	RohiniMenon	ECE	34
4	100107131057	Vidhyalakshmi G	ECE	50
5	098001131043	Subha.S	MBA	20
6	098001131006	Brindha.P	MBA	38
7	098001131036	Shameetha.S	MBA	46

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.)

There is complete transparency in the continuous internal assessment. The criterion adopted is as directed by the university and all the students are familiar with the process of internal assessment.

The internal marks are awarded as per Anna University norms as applicable from time to time. The centralized system of the exam cell ensures that the tests are conducted in a systematic manner.

The evaluation of overall development of the student is taken care of by the Placement Training department which also evaluates the students through online mode.

2.5.6 What is the graduate attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

The graduate attributes specified by the college are based on attributes specified by NBA. They are as follows.

1. Engineering knowledge
2. Problem analysis
3. Design/development of solutions
4. Conduct investigations of complex problems
5. Modern tool usage
6. The engineer and society
7. Environment and sustainability
8. Ethics
9. Individual and team work
10. Communication
11. Project management and finance
12. Life-long learning

The students are prepared to achieve these attributes through Academic process, Skill Development training, Placement training and through curricular and co-curricular activities, meeting the experts through guest lectures seminars, workshops, conferences etc.

The internal tests as well as grades obtained in the university examinations are the major indicators for evaluating student performance.

2.5.7 What are the mechanisms for re-dressal of grievances with reference to evaluation both at the college and University level?

There is a complete transparency in evaluation procedure. The criterion adopted is as directed by the University and all the students are familiar with the process of internal assessment and university valuation.

The internal marks are estimated as per AU norms as applicable from time to time.

In case of any grievance from the students, it is properly addressed through the following

- Tutor ward meeting
- HoDs closed door meeting before every IA
- Class committee meeting.
- Feedback from the students are obtained and evaluated through AdithyaLMS portal
- The following redressal procedures are followed
- Students are allowed to take retest on genuine grounds.
- Students are allowed to submit assignments beyond dead line on genuine grounds.
- The LMT test dates are extended beyond deadline on genuine grounds.

Grievance redressal Mechanism for summative Assessment by the University:

The current procedure for addressing grievances expressed by the students regarding valuation of end of semester examination scripts is as charted below:

STEP 1

- Publication of results
- On line access to grades obtained- if found dissatisfactory

STEP 2

- Apply for photocopy of answer scripts on payment of stipulated fee
- Revaluation of answer scripts by the course teacher on receipt of photocopy

STEP 3

- Apply for revaluation based on the recommendation by the course teacher and on payment of stipulated fee
- Await revaluation result

STEP 4

- Further apply for 'Challenge' if still dissatisfied

2.6 STUDENT PERFORMANCE AND LEARNING OUTCOMES

2.6.1 Does the college have clearly stated learning outcomes? If “yes” give details on how the students and staff are made aware of these?

Yes. The College has adopted learning outcomes adopted from NBA which are

1. Engineering knowledge
2. Problem analysis
3. Design/development of solutions
4. Conduct investigations of complex problems
5. Modern tool usage
6. The engineer and society
7. Environment and sustainability
8. Ethics
9. Individual and team work
10. Communication
11. Project management and finance
12. Life-long learning

For each course, Anna University specifies course objectives and course outcomes which the faculty members explain to the students at the beginning of the semester along with syllabus.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered

The college monitors the students through three IAEs and one endsemester model exam.

The Attendance Percentage and IA marks are calculated and displayed in the notice board and entered in the web portal of Anna University so that each student can verify their marks and attendance at any time.

The report of IAE marks and attendance are sent to the parents after the completion of each IA through SMS.

Parents are called in-person if their wards have attendance less than 75% and requested to contact their respective HOD and faculty advisor to improve their attendance.

Parent- teachers meetings are conducted once every semester after the first IA and students are counseled.

Completion Rate

Programme	Year		
UG Programme			
	2013-14	2014-15	2015-16
Civil	First Batch Not yet graduated		
CSE	77	77	75
ECE	72.72	77.45	86.20
EEE	First Batch Not yet graduated	83.63	84.78
IT	81	68	71
Mechanical	90.07	75	71.14
PG Programme			
	2013-14	2014-15	2015-16
M.E AE	85.71	100	Not Applicable
M.E CSE	100	100	50
M.E E.D	100	60	NA
M.E.S.E	First Batch Not yet graduated	81.25	80
M.E.VLSI	First Batch Not yet graduated	50	NA
MBA	100	100	85.71

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

Intended learning outcomes are achieved through teaching, learning and assessment strategies. Adithya Institute of Technology has well defined strategies for all these three processes and the details are given below.

Teaching Strategies:

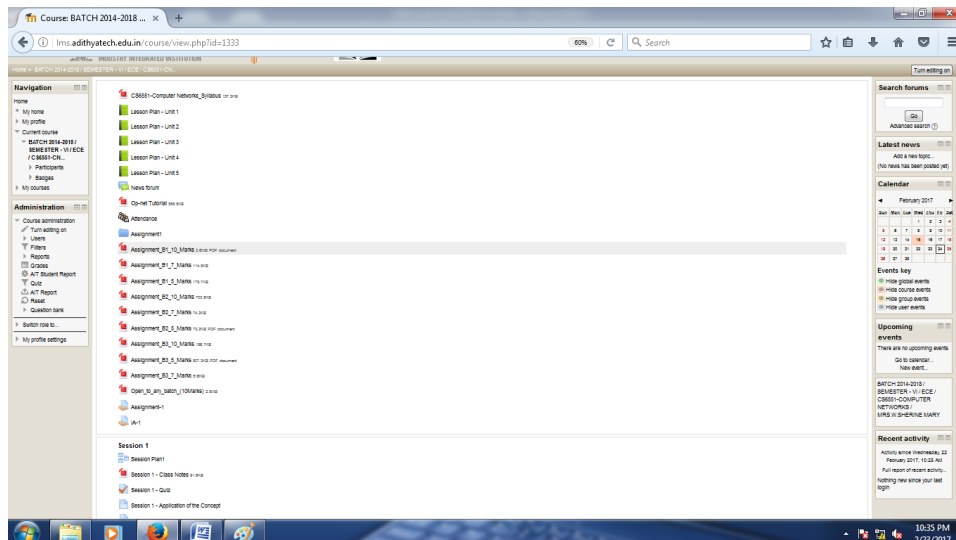
AdithyaLMS:

All materials for the respective courses are uploaded by the individual faculty member. All these resources are available to the students any time anywhere.

Materials include PPT, Additional Resources, Quiz, Application of Concept, Videos and other relevant materials.



Adithya LMS home page



Adithya LMS course page

Faculty members are encouraged to use methods of teaching which enhances learning like analogy, subject explanation taking an application into consideration etc.

Class Committee:

Periodic reviews are carried out by class committee chair person and HOD to keep in track of the programme objectives through course outcomes and identified learning outcomes. Corrective actions are taken if any deviations noticed at the time of review.

Learning Strategies:

Faculty members assign application oriented projects to interested students from their respective subjects which bring out the best in students.

AdithyaLMS is an effective learning tool as the entire course materials are available to the students, and they have access to the AdithyaLMS any time anywhere.

Guest lectures /workshops/conferences/symposia are other avenues where the students learn out of the class room. Students of the institution are motivated to take part in all these activities.

Assessment strategies:

Student's assessment is done based on the following

- Performance in IA exams
- Performance in LMT
- Performance in Preparatory Test
- Performance in application oriented projects
- Performance in Laboratory Classes
- Performance in Skill development training classes

At Adithya Institute of Technology the students are not just assessed based on what they write in their examinations.

Students' progress is monitored and documented in areas where the student learns practically through Industrial visits, SDT, Application oriented projects and Laboratory.

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (quality Jobs, entrepreneurship, innovation and research aptitude) of the courses offered?

- The Institution motivates its students to participate in activities which develop the overall personality of the student.

- Measures/ Initiatives taken by the institution
- Training and Placement Cell is equipped with trainers, placement officer to gear up with pace of change of placement scenario.
- External agencies are also employed to train the student's soft skills.
- In association with departments, the placement cell gives training on communication skills, aptitude, respective domain expertise and soft skills
- Institute has Industry-Institute Partnership Cell-IIPC. Each department has IIPC coordinator to liaison with the industry.
- **Research and Innovation:** Students are encouraged to do projects in research and special Labs.
- **Entrepreneurship:** The institution has well-structured Entrepreneurship Development Cell (EDC), which conducts various events every week for the benefit of the students.
- In addition to this there are various socially relevant clubs within the institution which are managed by faculty and student members.

2.6.5 How does the institution collect and analyse data on student learning outcomes and use it for planning and overcoming barriers of learning?

- The institution employs feedback mechanism to collect and analyze data on students' performance and learning outcomes
- All the preparatory tests, IA test and LMTS are evaluated and all these data are uploaded into the AdithyaLMS.
- The feedback from parents is collected during parents-teachers meeting and considered for the improvement.
- Feed back is also got from alumni and employers.
- As per the feedback received from the alumni SDT course on embedded system and PLC and SCADA was introduced in the SDT curriculum. Students have also taken up application oriented projects in SDT.
- As per the feedback received from the alumni, students have taken up industry based projects in Intel Lab.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes

The institution monitors the achievement of learning outcomes through the following systems:

- LMT

- IA marks reviews
- The achievement of learning outcomes are ensured through discussions in various forums like class committee, Tutor ward meeting, closed door meeting with HOD etc.,
- These outcomes are verified through feedback collected from students.

2.6.7 Does the institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If “yes”, provide details on the process and cite a few examples.

Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

Yes, the institution and teachers uses assessment and evaluation both as an indicator for evaluating students’ performance.

- Internal assessment tests are conducted three times a semester.
- Learning measuring Tests are conducted at the end of every week.
- In case of poor performance by students individual faculty members coach students during eighth hour class once a week to make sure learning objectives are achievable by the student.

Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

Conducts special outreach program for polytechnic students

Student Enrollment and Profile:

At Adithya Institute of Technology, students’ enrolment is carried out in a transparent manner as per norms. The college facilitates students of weaker section to obtain scholarships from government.

Catering to Diverse Needs of Students

The college provides an environment which endorses practical knowledge. This is carried out by various special laboratories, application oriented projects, Skill development training programs. Overall development of student is given importance.

Teaching-Learning Process

The teaching learning process at Adithya Institute of technology is based on the Adithya LMS which can be accessed by all stake holders 24X7.

Teachers Quality

Adithya Institute of Technology recruits competent faculty and provides them support to keep up with the growing trends by letting them participate in various FDP’s, Workshops, Seminars and conferences.

The Institute also organizes FDPs for improving the teaching learning process.



Prof Dr R.Indrani, Asso Prof, Govt College of Education delivering lecture during Micro teaching

Evaluation Process and Reforms

The evaluation process is adopted from the affiliating university. The institute also follows its own evaluation procedure for internal assessment which is not just based on internal assessment tests but also LMT and Assignments submitted by the student.

Student Performance and Learning Outcomes

The learning outcomes are achieved by meticulously following academic calendar of events, feedback during class committee, tutor ward meeting.

CRITERIA III

**RESEARCH CONSULTANCY AND
EXTENSION**

CRITERIA III**RESEARCH, CONSULTANCY AND EXTENSION****3.1 Promotion of Research****3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?**

Yes. The following departments have been recognized by the Anna University as Research Centre to offer Ph.D and M.S (By research) programme.

- Department of Electronics and Communication Engineering- with effect from 2012-13.
- Department of Mechanical Engineering- with effect from 2014-15.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes, The Institution has a research committee to monitor and address the issues of research activities. The committee consists of the Principal, Research Coordinator, all the Heads and faculties with doctoral degree.

Composition of Research and Development Committee

S.No	Name of the Members	Department	Designation
1	Dr. N.Kathiravan, Professor & Principal	Mechanical Engineering	Chairman
2	Dr. D Suji, Professor & Head	Civil Engineering	Coordinator
3	Dr. A. Rajendran, Professor & Dean	Electronics & Communication Engineering	Member
4	Dr. K Senthilkumar, Professor & Head	Mechanical Engineering	Member

S.No	Name of the Members	Department	Designation
5	Dr. M. Natarajan, Professor	Mechanical Engineering	Member
6	Dr. N Chitra Devi, Professor,	Computer Sc. and Engg.	Member
7	Prof. R.Sagaya Vivian, Professor & Head	Information Technology	Member
8	Prof. Sudharani. S, Professor & Head	Science and Humanities	Member
9	Dr. A. Chandran, Professor,	Science and Humanities	Member
10	Dr. V. Manigandan, Assistant Professor,	Science and Humanities	Member
11	Dr. C. Karthikeyan, Professor & Director,	Management Studies	Member
12	Dr. N. Gokilamani, Associate Professor,	Management Studies	Member
13	Mr. D.V.Ravikumar, Associate Professor & Head	Electrical and Electronics Engineering	Member

The following recommendations are given by the research committee:

- To submit proposals to the funding agencies for conducting International /National conferences, seminars and workshops with the state-of-the-art technology.
- To educate the faculty for registering for Ph.D. programme at the earliest.
- To evaluate the progress of research scholars.
- To inculcate research and consultancy among the faculty.
- Incentive for publications.
- Grant of on-duty leaves for pursuing Ph.D.
- Sponsorship for attending conferences/workshops/seminars.

Impact of the research committee recommendations:

- More faculty members with M.E./M. Tech. have registered for Ph. D with the support from the institution.
- Some of the faculty members have been recognized as research supervisors. Each department is taking steps to upgrade the department with research center status.
- A few funded projects have been submitted with various funding agencies.
- The numbers of publications by faculty in refereed journals have improved.
- Information and research guidance was given to staff and students about various funding agencies and to write up the proposals.
- Participation by faculty as resource persons or as delegates in State, National and International level has improved.
- Students are also involved in research publication along with the main author.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

Research has been considered as the integral part of the academic endeavors in our college. The institution promotes faculty members to participate in research activities by granting them on-duty leave in order to facilitate them to participate in faculty development programme. Our library provides e-journal facility and also well equipped with necessary books.

The institution is a Member of National Digital Library scheme. All the faculties have got access to huge depository of E-journals and other materials. The college encourages the faculty to apply for research grants to various funding agencies such as AICTE, UGC, DRDO, CSIR, DST, TNSCST, etc.

Autonomy to the principal investigator

Principal investigator will enjoy the necessary autonomy as he / she is the prime person responsible for the execution of the various activities of the project.

Timely availability or release of resources

The institution ensures the timely availability of resources for the execution of the projects as per plan.

Adequate infrastructure and human resources

The college has research facilities, adequate work space and power, computing facilities, internet connection (both wired and wireless) and support from administrative staff to the investigators of the research projects. If exclusive human resources are needed, the principal investigator can initiate the recruitment of JRF.

Time-off, reduced teaching load, special leave etc. to teachers

Faculty members including Principal Investigators who are connected with the research projects are provided with special leave such as on-duty, and permission as and when needed. Their teaching loads are accordingly adjusted and reduced. Flexibility is available for the execution of teaching responsibility.

Support in terms of technology and information needs

The departments provide facilities such as personal computer with internet connectivity, Wi-Fi, LAN, on-line and digital resources, access to e-journals etc. Faculty members are encouraged to procure necessary software related to their area of research, technical books, equipment. They are encouraged and permitted to hold discussion with industry experts and eminent professors.

Facilitate timely auditing and submission of utilization certificate to the funding authorities

The institution engages a certified auditor to scrutinize the income through the projects and various expenditures made related to the successful completion of the projects and issue utilization certificate which will further be submitted to the funding authorities in time.

Any other

The institute appreciates and gives due credit to the faculty members who complete their research and are awarded suitably.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

- The institution has taken keen interest to promote research culture in the campus.
- Constitution of research committee to mentor and monitor the overall research activities of the college.
- The research group within the department promotes the research activities among the students
- Research project for all students are carried out in the campus itself to make them more research oriented in the form of Mini projects and Skill oriented Projects.

- Research awareness programme and other training programme are organized.
- Encouraging research paper presentations in national and international seminars
- The Institution organizes national conferences periodically for enlightening the students on research and innovation. During such occasions, students are exposed to the success stories of organizations doing research.
- The institution has student branches in various professional societies which will organize various events to improve the scientific temper among the students.
- The institution has procured latest equipment and updated library facilities to enable the students to do research.
- The Institution upgraded itself to take up the challenges /needs of the Government for community development in various forms under Digital India, Smart city Projects schemes.
- Encouraging the students to publish their B.E./B.Tech/M.E./M.Tech/M.B.A Projects in journals/conferences.
- Faculty guidance, collaboration and support to students at all stages of research work.
- Promoting the students to participate in various intercollegiate design competitions and research related events.
- Training on the use of research software tools for data analysis, accurate referencing, in-text citations etc.
- Interaction with eminent researchers of acclaim through Seminars
- Visits to industries are arranged to create opportunities for the students to get exposed to technical challenges faced by the industries to take them up as research project during their course.
- To trigger scientific temper and aptitude, the institution arranges MoU's, in-plant training and internships for the students.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.)

• **Faculty guiding research under Anna University**

Name of the Faculty	Department	M.S/PhD	Number of Research Scholars Enrolled
Dr.D.Suji	Civil Engineering	Ph.D	10*
Dr. A. Rajendran	Electronics & Communication Engineering	Ph.D	03
Dr.P. Ramamurthy	Electronics & Communication Engineering	Ph.D	09
Dr.N.Kathiravan	Mechanical Engineering	Ph.D	1
Dr.M.Natarajan	Mechanical Engineering	Ph.D	1
Dr.K.Senthilkumar	Mechanical Engineering	Ph.D	5
Dr. C. Karthikeyan	Management Studies	Ph.D	03*
Dr.A.Chandran	Science & Humanities (English)	Ph.D	07*

***Faculty guiding also in other Universities**

- Faculty members are involved in pursuing their individual research work and publishing their findings in National and International journals / conferences.
- Guiding student research: Almost all the faculty members are involved in guiding the students (UG/PG) for their research activities through major projects. Leading Research Projects
- Individual/collaborative Research Activities: Faculty members in the Institute are actively engaged in research in their respective domains.

Details of Faculty Pursuing PhD

Department	Name of the Faculty	University	Areas of Research
Computer Science and Engineering	Mr. V.Ganesh Karthikeyan	Anna University	Educational Data Mining
	Mr. S. Saravanakumar	Anna University	Data Mining & Image Processing
Civil Engineering	Mr. Praveen S	Anna University	Environmental Impact Assessment
	Mr. Perarasan M	Anna University	Self Compacting Bacterial Concrete
Electronics & Communication Engineering	Mr. S. Muthukumar	Anna University	Asynchronous Design
	Mrs. M. Laavanya	Anna University	Signal and Image Processing
	Mrs. W. Sherine Mary	Anna University	Wireless Security
	Mr. V. Vijayaraghavan	Anna University	Image Processing, Embedded Systems and Network Security
	Mr. S. Mohammed Harris	Anna University	Wireless Communication
Electrical & Electronics Engineering	Mr.D.V.Ravikumar	Anna University	DC to AC power Conversion using multilevel Inverter
	Mr.R.Senthil Kumar	Anna University	Induction Motor – Bearing Fault Analysis

Department	Name of the Faculty	University	Areas of Research
Mechanical Engineering	Mr.M.Subramanian	Anna University	Optimization of Micro Deep Drawing
	Mr. .Shanmugasundaram	Anna University	Vibration control in Machine Tools
	Mr.K.Anganan	Karpgam University	Friction Stir welding in Aluminium Composite materials
	Mr.D.Palaniswamy	Anna University	Alternate Fuels in Diesel Engines
	Mr.T.TSatheesh Kumar	Anna University	Hybrid Aluminium Metal Matrix Composites
	Mr.K.Kamal Basha	Anna University	Synthesis and Characterization of Metal Matrix Composites
	Mr.K.T. Shabarinathan	Anna University	Dry Machining Process in Aluminium Alloy
	Mr.A.Karthick	Anna University	Surface coating using CVD method
	Mr.B.Umesh	Anna University	MCDM approaches for Maintenance management
	Mr. S. MuthuSaravanan	Anna University	Bio Mechanics
	Mr. R. M. Udhayachandran	Anna University	Surface coating using CVD method

Department	Name of the Faculty	University	Areas of Research
M.B.A	Ms. M. Vaishnavi	Bharthiar University	Bankers and Loan Taker Perception
	Ms. V. K .Arthi	Bharthiar University	Behavioral Finance
	Mr. N. Siva Sankar	M.S University	Derivative Investors Perception
Science and Humanities	Mrs.S.Sudha Rani	Karpagam University	Applications of Stochastic Process
	Mr.P.Selvam	Hindustan University	Fuzzy numbers with fuzzy optimization technique
	Mr.D.Edison	Bharathiyar University	Organic Chemistry
	Mr.S.Ramesh	Bharathiyar University	Crystal Growth Solid state Chemistry

List of student projects which received the grant from the funding agencies

Department	Year	Name of the students	Title of the project	Supervisor Name	Funding agency	Amount Received (Rs)
CSE & IT	2015-16	K.DineshPrabhakara n	Smart Shopping Cart	Mr.R.Sathish	AIT	12,500

CSE & IT	2015-16	S.WilsonRaja T.Divyashri K.Saravanan S.Sarath	DODO Learning Software System	Mr.S.Saravanakumar	AIT	Software based project no Funding required
		W. Nijesh	Adithya Learning Management System Version.2	Ms.N.RamaKalpana	AIT	Software based project no Funding required
	2013-14	W. Nijesh	Billing Software	Mr.S.Saravanakumar	AIT	Software based project no Funding required
	2011-12	Govardhan	Adithya Learning Management System Version.1	Ms.N.RamaKalpana	AIT	Software based project no Funding required
	2010-11	Sridhar Anbarasan R. Manikandan	Institution Website Development	Mr.S.Saravanakumar	AIT	Software based project no Funding required

Civil	2016-17	Ajith V Gopi Krishnan V John SebastinS Naveen Kumar G Naveen M Sarath Kumar S Siva Sankar R Nachiyappan	Pet Bottle Structures – Eco Arch Campus	Mr. Praveen S	AIT	10,000
ECE	2013-14	Saravanakumar Santhoshkumar SarathBhusan Vishal Franchis	Child Rescue System From Bore well	Dr.D.Somasundareswari	AIT	45,000
EEE	2015-16	K.Aravind	APP for Students Data Base	Mr.G.Vinoth	AIT	980
		J.D.James Billy M.Ajith	Testing of Motors – Class Basics	Mr.T.Kirubakaran	AIT	36,000
		M.MadhanPrabhu	Automatic College Bell using Audino	Mr.R.Senthilkumar	AIT	11,00
		M.MadhanPrabhu	Remote Control on off light & fan control	Mr.D.V.Ravikumar	AIT	920
	2014-15	K.Kalaiselvan	Audio Amplifier for Hostel	Mr.T.Kirubakaran	AIT	1,800

EEE	2014-15	D.Shrihari	Solar Street light maintenance	Mr.G.Rayappan	AIT	2,400
Mech.	2015-16	ShriRamakrishnan.S Sathyaseelan.K	Auditorium fan and light Automation	Mr.M.Subramaniayan	AIT	7,000
		Dhanasekar A Guhapriyan S Javahar K G Kavinraj K C	Performance analysis of multi stage atomizer type centrifugal evaporative air cooler	Mr.D.Palaniswamy	AIT	50,000
		Sathyaseelan.K Selva.T Sooraj.S Vimal.R	Computerized Universal Testing Machine	Mr.S.S.Dhanaprabu	AIT	50,000
		ShriRamakrishnan.S Sathyaseelan.K	Automated shutter lifting	Mr.A.Karthick	AIT	3,545
		ShriRamakrishnan.S Sathyaseelan.K	Walk through switch	Mr.B.Charles	AIT	3,020
		ShriRamakrishnan.S Saravanakumar.P Shanjai .V Venkatesh.P	Product segregation using surface properties by lab view machine vision	Mr.B.Umesh	AIT	6,315
		ShriRamakrishnan.S Sathyaseelan.K	Automated Siren	Mr.B.Umesh	AIT	4,210

Mech.	2014-15	R.Baskar W.NeilFernadaz S.Pandian S.Gopikrshna	Experimental Analysis of Geo Assisted air cooling system	Mr.D.Arunkumar	AIT	22,473
	2013-14	R.Ashok R.Dinesh Kumar S.Ganapathysankar C.Mohankumar	Performance analysis of polycrystalline solar PV panel	Dr.K.Senthil Kumar	AIT	10,000
		R.Balamurugan C.Ragul G.Vignesh	Economical solar water purifier using solar thermal energy	Mr.B.Charles	AIT	10,080
		S.M.Deivasikamani	Experimental analysis of process parameters interaction in micro deep drawing	Mr.M.Subramanian	AIT	21,000
		S.Prabhu M.MPookoya E.Sarath Kumar RNithiyanadham	Design and fabrication of 3D printer	Mr.M.Selvaraj	AIT	32,000
	2011-12	P.Prabu R.Pravin Srinivasan G.Surendar	Design and fabrication of centrifugal type evaporative cooler for auditorium stage	Mr.S.BensingDhas	AIT	10,150

Mech.	2012-13	Deenpillai.V.K.N Narayanasamy.G Praveen.S	Performance analysis of solar assisted wind driven system	Dr. K.Senthilkumar	AIT	3,000
		Faizulrahaman S Karthik K Ranjith raja S Sri pradeep M	Investigating the performance and emission of a supercharged diesel Engine fuelled with biogas	Mr.D.Palaniswamy	AIT	3,000
		M.R.veerendran S.vigneshkumar D.vinoth R.deepak raj	Performance and exhaust analysis of diesel engine fuelled with various composition of biogas based on food waste	Mr.D.Palaniswamy	AIT	5,000
		Arulkumar.K Dhanapal.M Sasidharan.K Sureshkumar.P	Experimental investigation of mechanical behavior of glass fiber reinforced polyurethane resin composite	Dr.M.Natarajan	AIT	5,000

Mech.	2012-13	Arul.K Dinesh babu.C Jagadeesh.G Muthukumar.M	Experimental investigation of tensile strength, flexural strength and impact strength of basalt-fiber reinforced epoxy composite	Mr. K.Venkatapathy	AIT	5,000
		Daniel joseruben.S Gangadharan.S Pradeep.A Pradeep.J	Experimental analysis of process parameters interaction in micro deep drawing	Mr.M.subramanian	AIT	15,000

Details of Consultancy projects:

Department	Year	Name of the Faculty	Title of the work	Name of the Client	Consultancy Fees in Rs
Civil	2016-17	Mr.P.Shakivel	Compression Test on Wood	M/s. IVA Infrastructures, Coimbatore	1,100
		Mr.P.Shakivel	Soil UCC Test	U.G Project Students, DhanishAmed Institute of Technology	600
		Mr. Praveen. S	Feasibility Studies of Transportation of Hazardous Cargo Through waterways	Mir Projects & Consultants Pvt. Ltd Kochi	60,000
		Mr.P.Shakivel	Rebar Test	SreeRangaraj Steel, Karaikal	1,750

Civil	2015-16	Mr.P.Shakivel	Soil Test	Adithya Auditorium, Coimbatore	5,000
		Mr.P.Shakivel	Soil Test	Mrs. Parimela, Chitra Nagar, Coimbatore	7,500
		Mr.P.Shakivel	Concrete beam & Cylinder test	Ph.D Scholar, Karunya University	3,078
		Mr.P.Shakivel	Rebound Hammer test	M/s. Shrikubheraparivar, Coimbatore	6,750
		Mr.P.Shakivel	NDT Test	R. M. Mayileru & Co, Coimbatore	30,000
		Mr.P.Shakivel	Soil Test	R. M. Mayileru & Co, Coimbatore	18,156
		Mr.P.Shakivel	Soil Test	M/s.Eshan Builders, Puliyampaati, Coimbatore	6,000
		Mr.P.Shakivel	Soil UCC test	U.G Project Students, Kathir Engineering College	600
		Mr.P.Shakivel	Rebar - Tension test	Srinivasan Associates Private Limited	2,650
		Mr.P.Shakivel	Concrete Cube Compression Test	Srinivasan Associates Private Limited	12,650
		Mr.P.Shakivel	Concrete Cube Compression Test	Srinivasan Associates Private Limited	33,550

CSE & IT	2014-15	Mr.M.Saravana kumar	Website development	Lysium networks	25,000
Mech.	2016-17	Mr. A.Prabhu	Tensile and Hardness Test	PG Students of Anna University Regional Campus Coimbatore	1,000
		Dr. M. Natarajan	<ul style="list-style-type: none"> • Reviewing the new designed product, & Product conformity and discussion with the concern for corrective and preventive action 	Trident Pneumatics Private Limited, Coimbatore	96,000
	2015-16	Dr. M. Natarajan		Trident Pneumatics Private Limited, Coimbatore	96,000
	2014-15	Dr. M. Natarajan	<ul style="list-style-type: none"> • Checking the Test results of New product development 	Trident Pneumatics Private Limited, Coimbatore	96,000
	2013-14	Dr. M. Natarajan		Trident Pneumatics Private Limited, Coimbatore	96,000
	2012-13	Dr. M. Natarajan	<ul style="list-style-type: none"> • Concepts on New Product reliability, Improvement in cost of quality of the new products and to minimize the cost of the poor quality say rejection, 	Trident Pneumatics Private Limited, Coimbatore	96,000

3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

A host of workshops/ training programs/seminars were conducted at the college and department level with a focus on capacity building and imbibing research culture on the campus. The details are furnished in the following table:

Department	Date(s) of the Events	Name of the Workshops / Training Programs / Seminars	Sponsored by
CSE & IT	20.09.16 21.09.16	IoT Challenge 2016 - Two Days Workshop on IoT	AIT
	15.02.16 - 19.02.16	An INTEL College Excellence Programme	AIT
	20.02.16	Webinar on Mobile App development	AIT
	25.02.16	Workshop on Python	AIT
	23.09. 16	Guest Lecture on “Internet on Things” in Association with CSI Coimbatore Chapter	AIT
	07.02.15	One Day Seminar “Recent Trends in Multimedia”	AIT
	07.02.15	One day Workshop on Designing Mobile App for Game Design	AIT
	20.02.15 - 21.02.15	A Workshop on Amazon Certificate in Big Data Analytics	AIT

CSE & IT	08.08.15	Guest Lecture on Big Data Analysis	AIT
	12.09.15	One day Technical Seminar on Mobile App Development	AIT
	15.09.15	One Day workshop on MIT SCRATCH	AIT
	19.09.15	One day seminar on Big Data Analytics	AIT
	26.09.15	A One day Workshop on Cloud And Big data	AIT
	30.09.15	A One Day Workshop on Mobile Application	AIT
	12.12.15	A One day Workshop on “Photoshop & Google Sketch up” for Polytechnic students	AIT
	18.12.15	A One day Workshop on “Photoshop & Google Sketch up” for Polytechnic students	AIT
	19.08.14 20.08.14	Two Days National Workshop on Vulnerable Web Applications	AIT
	09.08.14	A Technical Seminar on Recent Trends and Technologies in IT	AIT
	29.12.14 - 30.12.14	Two Days Training Programme on Google Apps	AIT

Civil	15.09.16	One Day Workshop on Earthquake Resistant Design of Buildings and Industrial Structures	AIT
	05.01.16	One day workshop on " Modern Surveying Techniques "	AIT
	21.12.15- 23.12.15	Workshop on "Field oriented techniques for Effective concreting"	AIT
	18.12.15	Guest Lecture on "Career Enhancement in Civil Engineering"	AIT
	26.08.15- 27.08.15	Training Program on "Understanding Structural Dynamics with Application to Engineering Industry	AIT
	18.08.15	National level workshop on "Successful Writing of Journal papers and Research Proposal"	AIT
	02.03.15	Workshop on "Modern Surveying Techniques using Total Station"	AIT
	07.03.15	Quality Conclave – Challenges for Quality in Higher Education and Innovative Methods to meet them	AIT
	03.02.15	National Level Seminar on "Composite Structures & Dynamics of Machine Foundation	AIT
	09.01.15	Regional Seminar on "Zero Energy Architecture & Sustainable materials Buildings to mitigate carbon footprints	AIT
	20.12.14	One Day workshop on "Advanced Surveying Instruments"	AIT
	29.09.14	National Workshop on "Health Monitoring, Non-Destructive Testing, Evaluation of Structures"	AIT
	19.08.14	Guest Lecture on "Software Applications in Civil Engineering"	AIT
	19.07.14	National Workshop on Advanced Surveying using GEN- X Instruments	AIT

ECE	08.09.16	Hands-on training & Workshop on PCB Design and Fabrication	Adithya Institute of Technology
	23.03.16	Workshop on MATLAB Programming and Applications	Global Institute of Industrial Training & Research (GIITR)
	12.03.16	Wipro Mission 10X Workshop on Advanced Microprocessors	Wipro Mission10x Technology Learning Center
	11.03.16	Wipro Mission 10X Workshop on Advanced Microprocessors	Wipro Mission10x Technology Learning Center
	12.12.15	Wipro Mission 10X Workshop on Advanced Microprocessors	Wipro Mission10x Technology Learning Center
	11.12.15	Workshop on Networking	CISCO Networking Academy
	11.12.15	Wipro Mission 10X Workshop on Advanced Microprocessors	Wipro Mission10x Technology Learning Center
	08.12.15	Wipro Mission 10X Workshop on Advanced Microprocessors	Wipro Mission10x Technology Learning Center
	30.11.15-02.12.15	Wipro Engineering Faculty Workshop	Wipro Mission10x Technology Learning Center
	22.08.15	Workshop on Embedded System Design using ARDUINO	JRM Technologies Pvt. Ltd
	14.08.15	Wipro Mission 10X Workshop on Advanced Microprocessors	Wipro Mission10x Technology Learning Center
	07.08.15	Wipro Mission 10X Workshop on Advanced Microprocessors	Wipro Mission10x Technology Learning Center

ECE	05.08.15	Wipro Mission 10X Workshop on Advanced Microprocessors	Wipro Mission10x Technology Learning Center
	01.08.15	Wipro Mission 10X Workshop on Advanced Microprocessors	Wipro Mission10x Technology Learning Center
	15.07.15	Workshop on PCB Design & Fabrication	Adithya Institute of Technology
	23.03.15 - 25.03.15	Wipro Engineering Faculty Workshop	Wipro Mission10x Technology Learning Center
	21.02.15	Workshop on Industrial Automation using PLC and SCADA	Adithya Institute of Technology
	20.02.15	National Level Technical Symposium for Polytechnic Students	Adithya Institute of Technology
	03.01.15	Pedagogy Enrichment Program in Physics-PEPIP for school teachers	Adithya Institute of Technology
	08.12.14-13.12.14	Workshop on Advanced Microprocessor	Wipro Mission10x Technology Learning Center
	03.12.14-04.12.14	Workshop on PCB Design and Manufacturing	Adithya Institute of Technology
	31.09.14-01.10.14	Winter Enrichment Enhancement –WEE Program	Adithya Institute of Technology
	19.09.14	National Level Technical Expo “TECH EXPO 2K14”	Adithya Institute of Technology
	15.09.14	Workshop on Hands-on training using Arduino	Adithya Institute of Technology
	11.09.14	Seminar on Electromagnetic Interference and Compatibility	Adithya Institute of Technology

EEE	30.03.16	Fourth National Conference On “Communication, Electrical, Electronics and Systems”	AIT
	22.08.15	One day workshop on Embedded system Design using Arduino	AIT
	21.08.15 - 22.08.15	Two days workshop on “PLC & SCADA”	AIT
	13.08.15 - 14.08.15	Faculty Development Program on Research Methodology	AIT
	30.07.15 - 31.07.15	Two days workshop on “PSPICE”	AIT
	20.02.15	One day workshop on PLC & SCADA	AIT
	21.02.15	National Level Technical Symposium	AIT
	25.03.13	A Synergy of Core Competencies	AIT
	11.03.13	The ARM Architecture	AIT
	08.02.14 - 09.02.14	Third National Conference On Computing, Communications And Devices	AIT
Mech.	01.03.17	Workshop on CNC Programming	AIT
	17.02.17	One day Workshop on Emerging trends in Automobile Engineering	AIT
	11.01.17	National Seminar on Challenges and Issues in Solar & Wind Energy Resources.	ISRO
	10.09.16	Joy of Engineering	AIT

Mech.	23.08.16	Workshop on CNC Programming	AIT
	04.08.16	One day Workshop on Recent trends in Automobile Engineering	AIT
	03.03.16	One Day Workshop on Robotics	AIT
	29.02.16	Workshop on CNC Programming	AIT
	25.02.16	One Day Workshop on Solar Energy	AIT
	12.08.15	One Day hands on Training on Hydraulics and Pneumatics Circuit Design using Automation Studio	AIT
	12.08.15	One day Workshop on Recent trends in Automobile Engineering	AIT
	20.01.15	One day workshop on “Recent trend in Automobile engineering”	AIT
	20.01.15	Workshop on CNC	AIT
	21.01.15 to 22.01.15	One day workshop on Robotics	AIT
	07.02.15	One day Workshop on “Automation Techniques using LabView”	AIT
	24.01.14	One Day Workshop on “Solar Energy”	AIT
	26.01.14	One Day Workshop on “CNC Programming”	AIT

Mech.	28.01.14	One Day Workshop on “Basics of Automobile Technology”	AIT
	29.01.14	One Day Workshop on “Lab VIEW”.	AIT
	07.03.14	One Day Workshop on “Detailed Document Preparation for Events”	AIT
	21.03.13	IRDME – National Conference on Innovative and Recent Development in Mechanical Engineering	AIT
MBA	29.03.16 - 07.04.16	SAP Basics (80 Hour Sessions)	AIT
	17.02.16 - 18.02.16	Two Day workshop on Entrepreneurship Development	AIT
	15.03.15	One Day Seminar on Executive Learning & Development by NALS	AIT
	14.02.15	One Day Seminar on Executive Learning & Development by PACE	AIT
	21.02.15	One Day National Level Conference on Managing Turbulence in Business	AIT
	15.02.13	Business Sustainability in Globalised Environment	AIT
Science & Humanities	02.06.14-03.06.14	Workshop on Micro teaching	AIT
	11.06.14	FDP on methodology of teaching for effective learning	AIT

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

The College has potential research areas considering the domain expertise available. The expertise (subject expertise, research methodology, resource person, Training and development) available with the institution are given below:

Recognized supervisors for PhD/M.S (By Research) Programmes:

Department	Name of the Faculty	Area of Expertise
Civil Engineering	Dr.D.Suji	High Performance concrete optimization
Electronics & Communication Engineering	Dr.A.Rajendran	Medical Imaging, Pattern Recognition
	Dr.P. Ramamurthy	Wireless Networks, Communication
Mechanical Engineering	Dr.N.Kathiravan	TQM, Industrial Engineering Automation, Manufacturing Engineering
	Dr.M.Natarajan	New Product Development - Quality, Reliability, Six Sigma, TQM
	Dr.K.Senthilkumar	Engineering Design, Thermal Engineering
Management Studies	Dr. C. Karthikeyan,	Human Resources Management
	Dr.C.Gokilamani	Marketing Management
Science & Humanities	Dr. V.Manigandan	Solar water distillation
	Dr. A.Chandran	Communicative Language Teaching

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

- As stated earlier, the college keeps inviting many eminent personalities to interact with the faculty and student community.
- National and International Conferences, seminars and workshops are organized with invited speakers from IITs, NITs, research organizations and industries. Those experts share their knowledge with faculty and students.
- The faculty members are encouraged to work together with eminent researchers for research activities.
- Our faculty members directly visit the industries and interact with the eminent people related to their research issues
- Institution has conducted conferences and invited eminent researchers for keynote address and to chair the session.

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

- Reasonably good percentage of our faculty members have availed this leave to complete their Ph.D programme. On return availing the leave the faculty member carried out good quality research and published in good journals. They also guide R&D oriented U.G. and P.G. projects leading to products.
- The institution provides on-duty leave to faculty members for participating and presenting papers at National and International seminars, conferences and attending workshops. This helps the faculty members to interact with researchers and academicians and uplift their interest towards research.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

The institute is taking necessary initiatives to transfer the technology to the society for the benefit of mankind. The institute is keen in creating awareness about transferring the research findings to the common man's usage. The faculty members also motivate and guide the students to involve in various industry-related projects which in turn help the society.

- The awareness about the latest research available at the institution level is shared among the students and faculty through research committee.

- Apart from imparting knowledge from text books, the teaching learning activity is made more practical by giving assignments/case study on various research topics.
- The students are motivated in reading journals and technical papers and it has kindled their creative thinking process in all spheres.
- The college is also conducting various research workshops to develop research inventions which are economically viable, socially productive and environmentally protective.
- The research findings in general generate content/domain knowledge which will be useful to the teaching and learning community.
- Faculty members are encouraged to act as resource persons for programs organized outside and are given duty leave without affecting the regular academic work.

The details of Industry oriented Projects carried out by our students

Department	Year	Name of the Student	Title of the Project	Supervisor Name	Industry
Computer Science & Engineering	2014-15	P. Clinton, J.P.CollinPrabhu, B.Praveen	Interactive 3D Modelling and Cross Section	Mr. S. Saravanakumar	Amphisoft Technologies Private Limited,
		K.Sriharikumar, R.Vignesh, S.Rathish, Yogesh	Optimized Pattern Mining and Prediction Algorithm for Online Shopping	Dr.N.Chitra Devi	Amphisoft Technologies Private Limited,
Civil Engineering	2015-16	B. Malar Nivetha	Wireless Sensor Network for Structural Health Monitoring	Dr. D. Suji	CSIR-Structural Engineering Research Centre
		S. Menaka	Corrosion Fatigue Crack Growth in Steel.	Dr. D. Suji	
	2014-15	V.K Divya	Application of outrigger in slender High rise structures	Dr. D. Suji	
		B.Nithya	Structural Health Monitoring of Heritage buildings using wireless sensor networks	Dr. D. Suji	
		Sheba Sam	Application of fuzzy logic for generating report in detection of damages in heritage buildings – A case study	Dr. D. Suji	

Electronics & Communication Engineering	2016-17	G. Ranjith Kumar K. Karthikeyan R. Kavim K. Kamali A. Manisha E.R. Reshma	Automated Location Indication in Public Transportation System for Hearing and Visually Impaired	Mr. S.Muthukumar	Smart India Hackathon-2017, organized by Government of India
		P. TamizhSelvan M. Vinoth Kumar M. Aravindasamy A. Jeyaram G. Vignesh	Border Alert for Fisherman	Mr. S.Muthukumar	DST & Texas Instruments Inc. India Innovation Challenge Design Contest 2016
		D.S. Ranjithkumar S. Padmapriya T. Arunkumar V. Dhanaraj A. Arokkiajulie	Smart EB Billing System	Mr. S.Muthukumar	DST & Texas Instruments Inc. India Innovation Challenge Design Contest 2016
	2014-15	S.Jeevanandham, R.Nishanth, V.K.Prasad, M.Haripriya	Approach to Build MPLS VPN using QoS Capabilities	Mr.S.Mohammed Harris	BSNL, Chennai
		M.Arunkumar M.Bharath S.David Kumar M.Hariprasath	Auto Irrigation System for Agriculture Field	Mr. S. Muthukumar	WIPRO, Chennai

Mechanical Engineering	2015-16	Harish Chandran Kaushik V Gowtham R Iniyan K	Automation of welding process for hydro dummy end cover	Dr.N.Kathiravan	Bharat Heavy Electricals Limited, Tiruchirappalli
		Arun Kumar K Gowtham R Hariprasath B Kalaiselvam S	Design of Mechanical lift using rack and pinion mechanism for supporting Re-Circulating fan	Dr.M.Natarajan	Steel Authority of India Limited, Salem
		Anandha Raj T Dhayanand A K Divakar R Hariharan R	Distortion control in Header Manufacturing	Mr.B.Charles	Bharat Heavy Electricals Limited, Tiruchirappalli
		Rajaguru.R Manikandan.S Piramith.S Sidharth.C.Rajiv	Development of a method to Hydrogen packing of stress relief in P91 Joints	Mr. K.T. Shabari Nathan	Bharat Heavy Electricals Limited, Tiruchirappalli
		Gowtham M Guruprasath A Harishakedavid R L Anand M	Design and fabrication of new hydraulic flow divider for strip grinding line walking beam conveyor	Mr.R.Radhakrishnan	Steel Authority of India, Salem
		Chinnadhuraiyan C	Design Of Fixture For Multi Spindle Drilling For Valves	Mr.V.Ganeshan	Valen Valves India Pvt Ltd, Coimbatore

Mechanical Engineering	2015-16	Infant Joswa J Jawahar G Karthik N Sathishkumar N	Design and Fabrication of Multipurpose Attachment on a Mini Weeder	Mr.R.Prakash	Sharp Garuda Farm Equipments Pvt Ltd, Coimbatore
		Anandha Raj T Dhayanand A K Divakar R Hariharan R	Distortion control in header manufacturing	Mr.B.Charles	Bharat Heavy Electricals Limited, Tiruchirappalli
		Balaji.G	Cycle time reduction in compression assembly	Mr.K.T.Shabarinathan	ELGI Equipments Ltd,
		SarathChandran P Santhosh Kumar P Sivaprakash S SrieManekandan R G	Design of Hydraulic notching unit in APL-2 EXIT section	Mr.D.Palaniswamy	Steel Authority of India, Salem
	2014-15	V.Kaviyarasu B.Karthik S.Muthukumar G.Hariprasathvel	Fabrication of function testing rig of Refrigeration air dryer	Mr.P.L.Navaneetha Krishnan	Trident Pneumatics Pvt Ltd, Coimbatore
		V.Chokkalingam R.Karthikeyan P.Manojpraveen R.Mohan	Setup time and cost reduction in bogie assembly in defense vehicle	Mr.A.Prabhu	Ashok Leyland, Chennai

Mechanical Engineering	2014-15	D.Chandrasudan S.Jagirmohaideen V.Mohanraj E.Ashok	Analysis of pneumatic cooling system	Mr.M.Bhuvaneshwaran	Vishal Precision Products Pvt Ltd, Coimbatore
		S.Amirthap S.Kasthurirangan N.Kathirvel B.Muthuraj	Cycle Time Reduction in Header Manufacturing by Reducing Repairs	Mr.K.Prakash	Bharath Heavy Electricals Ltd, Coimbatore
		N.Sakthivelraja V.Santhoshkumar P.Sathishkumar N.Prabhakaran	Roll changing rig for brush roll in anealing and pickling line	Mr.G.Sureshkumar	Steel Authority of India Ltd, Salem
	2012-13	Anishantony Lakshmanan.S Mani.J Parameswaran.I	Measurement of exhaust gas in diesel engine fueled with biodiesel based on data acquisition system monitoring	Mr.D.Palaniswamy	Sri Venkateshwara Industries, Coimbatore
		Hariprasad.K Indhirakumar.S Mahendrakumar.M Rajkumar.D	Design and fabrication of solar thermal power plant assisted with bio-gas	Mr.M.Selvaraj	C.R.A Engineering Company, Coimbatore

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization

Substantial amount is earmarked for research oriented activities.

At the beginning of every financial year, the institution prepares the budget for department level and institution level. The portion of the budget has been allocated for Research and Development activities. The major heads of research expenditures are:

- Events organized
- Equipments purchased and facilities created for research activities
- Improved internet connectivity, Wi-fi facility,
- E-journal subscription
- Setting of up of special laboratory/centres.

The details of the budget allocated for research for the last four academic years is detailed below.

Academic Year	Total Budget (Rs. In Lakh)	Budget for Research (Rs. In Lakh)
2016-17	200	12
2015-16	150	12
2014-15	150	10
2013-14	125	10

3.2.2 Is there a provision in the institution to provide seed money to the faculty for Research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

Yes, the Institution has the mechanism to provide financial support to the faculty for research. The proposals are collected from the faculty and submitted to the research committee for review. Based on the recommendations by the research committee amount can be sanctioned after getting management approval.

S.No	Name of the Faculty	Department	Experimental setup	Amount in Rs
1	Dr.K.Senthilkumar	Mechanical Engineering	Performance Enhancement of evacuated type solar water heater by V – through collector	40,000
2	Dr.K.Senthilkumar	Mechanical Engineering	Performance analysis of Solar Dryer	25,000
3	Dr.K.Senthilkumar	Mechanical Engineering	Performance analysis of Natural Ventilation	50,000
4	Mr.D.Palanisamy	Mechanical Engineering	Performance Analysis of Multi Stage Atomizer Type Centrifugal Evaporative Aircooler	20,000
5	Mr.M.Subramanian	Mechanical Engineering	Investigation of process parameter of Micro deep Drawing	50,000
6	Mr.D.Palanisamy	Mechanical Engineering	Performance investigation of DI engine with combination of Bio gas and Diesel.	20,000
7	Mr.D.Palanisamy	Mechanical Engineering	Modeling and optimizing the production of biogas in digester from food waste by using artificial neural networks	20,000
8	Mr.D.Palanisamy	Mechanical Engineering	Comparative investigation on performance of various aspiration methods applied in a single cylinder diesel engine	20,000
9	Mr.D.Palanisamy	Mechanical Engineering	Optimizing the Supercharger Effect on the Performance and Emission of Biogas Diesel Engine	20,000
10	Mr.S.Velladurai	ECE	PCB Design & Fabrication Lab	1,78,416

S.No	Name of the Faculty	Department	Experimental setup	Amount in Rs
11	Mrs.W.Sherine Mary	Electronics and Communication Engineering	CISCO Lab	4,04,065
12	Mr.S.Muthukumar	Electronics and Communication Engineering	WIPRO Misson 10X Lab	7,11,239
13	Mr. T. Kirubakaran	Electrical and Electronics Engineering	Testing of Motors	30,000

3.2.3 What are the financial provisions made available to support student research projects by students?

- The students can avail financial support for purchase of equipment for their research project as per the recommendations by the research committee
- Furthermore, the institution has a provision to assist the students to participate in research oriented project contests.
- Subscription to e-Journals (Science Direct, Springer, IEEE, ASCE, SME, ACM, DELNET).
- Internet Centre / Connectivity with 40Mbps band width and Wi-Fi connectivity are provided for the students
- HODs encourage the students to do research projects by submitting proposals to appropriate funding agencies such as AICTE, TNSCST. I.E, ISTE etc. For Industry sponsored projects, the industry provides the resources for the completion of the students' project.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

As far as the quality research in Engineering is concerned, it is necessary to inculcate the interdisciplinary activities in the curriculum itself. The institute is actively promoting interdisciplinary projects and students are constantly encouraged to take-up such projects. In this regard, the college offers interdisciplinary electives to students. Additionally, faculty members from various

departments form research groups to work on interdisciplinary research projects. With the help of Research Committee, the inter-disciplinary research works are implemented. Interdisciplinary research among various departments is promoted through Research Committee and Research Advisory Committee. For example,

- An interdisciplinary research project for smart shopping with smart card is being done by the Departments of Computer Science and Engineering and Mechanical Engineering funded by institute.
- Another interdisciplinary research project for Smart Energy Center and Human Safety System in drainage and Unused well is being done by the Departments of Electronics and Communication Engineering and Computer Science and Engineering

Examples of successful endeavors and challenges faced in organizing interdisciplinary research

S.No	Title of the Project	Name of the Faculty	Name of the Department	Challenges Faced
1	Development of PET bottles Structures	Mr.S Praveen	Civil Engineering	Chemical Characteristics Performance of PET Bottles
2	Wood Carving Machine	Mr. B.Charles	Mechanical Engineering	Tool speed control
3	Development of 3 axis pattern making machine	Mr.B.Umesh		Z axis tool Movement
4	Product segregation by lab view machine vision	Mr.B.Umesh		Interfacing of sensor to identify product colors

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

- Each department has dedicated lab for research. The labs are equipped with essential software and hardware for the research. The facilities can be utilized by the faculty and students.
- Further, the library and the internet labs are open till 7:00 pm and transport facility is provided to faculty and students who want to carry out their research after regular official hours

The laboratories and the available resources are well scheduled for the convenient access by the Researchers and Students. The available research facilities, such as general library, Wi-Fi internet connectivity, software, computing facilities, and electronic equipment are used on a shared basis among students and faculty members. Research related facilities are available to students during their project tenure under the supervision of the faculty concerned. Laboratory schedules are planned in such a way for the optimal use of equipment.

S. No	Department	Associating Institution / Organization
1	Computer Science and Engineering & Information Technology	<ul style="list-style-type: none"> INTEL® Intelligent Systems Lab, Intel Technology Private India Limited
2	Electronics & Communication Engineering	<ul style="list-style-type: none"> Cisco Networking Academy, Cisco Systems USA Printed Circuit Board Mission 10x Technology, Learning Centre, WIPRO
3	Electrical & Electronics Engineering	<ul style="list-style-type: none"> Industrial Automation Laboratory Motor Testing Laboratory Meter Calibration Laboratory
4	Mechanical Engineering	<ul style="list-style-type: none"> Solar Energy Engineering Lab powered by M/s. Dev Solar, Coimbatore Rapid Prototyping Lab Sensor and Interfacing Lab Robotics Lab

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

Yes, the institution received special grants from the industries for developing research facility.

Dept.	Principal Investigator	Year	Funding Agencies/ Industries	Facilities Created / Equipment Specification	Amount in Rs
CSE & IT	Mr.R.Vadivel	2016 -17	13 Indya Technologies, New Delhi	(2IoT Kits Numbers Each) USBaspProgrammer, MINITron™ Board,GSMModule, USB to TTL Board,LM35 Temperature sensor,2 channel-Relay board,9 V DC Adapter,6 pin Relimate wires,1-pin Relimate wires,	4,600
ECE	Mr.S.Muthu kumar	2016-17	Texas Instruments Inc.	Border Alert for Fisherman,TI Evaluation Boards& Tools	200USD
	Mr.S.Muthu kumar	2016-17	Texas Instruments Inc.	Smart EB Billing System, TI Evaluation Boards& Tools	200USD

Mech	Mr.B.Charles	2014-15	M/s. Adithya Hi Tech Valves, Cbe	3 Stage Helical reduction Gear box	40,000
	Mr.M.Subramanian	2013-14	M/s. Adithya Hi Tech Valves, Cbe	1:3.8 single stage herringbone Reduction gear box	1,10,000
	Dr.M.Natarajan	2015-16	Trident Pneumatic Pvt. Ltd, Cbe.	Drive unit of Screw compressor	20,000

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years

Institutional Support for Faculty in Securing External Funds

- Research committee informs and guides the faculty about the availability of various funding opportunities from DST, AICTE, MHRD, Government organizations, Industries and NGOs.
- Management encourages the staff to go for funded projects and allow the staff to use facilities of the college for doing their research.
- Travel expenses for the project proposal presentation will be met by the management.
- Flexible timings and work load sharing (Example, exemption from exam duties/administrative duties) without compromising on regular academic work.
- The college demonstrates liberal approach in granting leaves to faculty for undertaking research.

- Details of projects and grants received/applied during the last four years are given in the following table.

Department	Project Title	Funding Agency	Nature of The Project	Amount Sanctioned/ Proposed (Rs/-)	Status
CSE	Multimodal Biometric Systems:Challenges and its Applications	TNSCST	National level workshop	50,000	Awaited for Results
Civil	Health Monitoring, Non-Destructive Evaluation and Retrofitting of structures	Ministry of Earth Sciences,	National level workshop	60,000	Not Considered for Funding
	Hazard Mitigation and Intelligent Material Systems for Civil Infrastructure	CSIR	National level Seminar	1,10,000	Not Considered for Funding
	Nano Engineered concrete for sustainable construction industry	SERB	National level Seminar	60,000	Not Considered for Funding
	zero energy architecture & sustainable materials for buildings to mitigate carbon footprints	Ministry of Earth Sciences,	Regional seminar	50,000	Not Considered for Funding
	Landslides:Management and Mitigation Strategies	Ministry of Earth Sciences,	Regional seminar	50,000	Not Considered for Funding
	Studies on Mechanical and Durability Properties of Fly ashConcrete Incorporating Nano SiO_2	DST	Research Project	10,0000	Not Considered for Funding

Civil	Application of Geomatics in disaster Management	Ministry of Earth Sciences, Government of India	National conference	80,000	Not Considered For Funding
	Hazard Mitigation through the application of soil bioengineering in land slide areas	Ministry of Earth Sciences, Government of India	Regional Workshop	40,000	Not Considered For Funding
	Emerging building materials and construction technologies with a focus on minimizing carbon footprints	Ministry of Earth Sciences, Government of India	National Workshop	40,000	Not Considered For Funding
	Entrepreneurship Awareness Camp	Entrepreneurship Development Council	Awareness Camp	40,000	Awaited for Results
	Remote sensing and GS in disaster risk assessment , monitoring and management	ISRO	National seminar	80,000	Not Considered For Funding
	Health Monitoring Non destructive evaluation and retrofitting of structures	CSIR	National seminar	40,000	Not Considered For Funding
	Renewable Energy Applications for Existing buildings	MNRE	National conference	1,55,000	Awaited for Results

Civil	Monitoring moisture content for effective curing to achieve Target Mean strength in a mass concreting work using Wireless sensor applications	Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu	Research Project	10,000	Awaited for Results
	A Study on Partial Replacement of Cement and Coarse aggregate by Ceramic Powder and Waste Rubber Tyres in Concrete	Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu	Research Project	10,000	Awaited for Results
	Application of Fuzzy Logic for generating report in detection of damages in heritage buildings – A case study	Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu	Research Project	7,000	Not Considered For Funding
	Experimental Investigation On Recycled Concrete For The Replacement of Fine Aggregate.	Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu	Research Project	7,000	Not Considered For Funding
	Experimental Study On Glass Fibre Reinforced Polymer On Column Confinement By Replacing Cement With Fly Ash	Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu	Research Project	7,000	Not Considered For Funding

Civil	Application of Ground Scrap tyre Rubbers in Asphalt concrete pavement	Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu	Research Project	7,000	Not Considered For Funding
	Structural Monitoring Of Health Buildings Using Wireless Sensor Networks	Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu	Research Project	7,000	Not Considered For Funding
	Feasibility Studies of Transportation of Hazardous Cargo Through waterways	Mir Projects & Consultants Pvt. Ltd Kochi	Consulting Project	60,000	Ongoing (Draft Final Report Submitted)
ECE	Hardware Implementation of Cryptography Algorithm using Advanced Processor	Science and Engineering Research Board	National Workshop	50,000	Not Considered For Funding
	X86 Microprocessor Based System Design using MASM.	Council of Scientific And Industrial Research,	National Workshop	65,000	Not Considered For Funding

Mech	Challenges and issues in Solar and Wind Energy Resources	ISRO	Seminar	20,000	Completed
MBA	An exploratory study on factors affecting MBA students from taking Entrepreneurship as a Career; with Special reference to Coimbatore District.	Indian Council of Social Science Research	Research Project	20,000	Awaited for Results
	An exploratory study on decreasing popularity of government schools among parents and students; with special reference to Coimbatore District.	Indian Council of Social Science Research	Research Project	20,000	Awaited for Results
	Millennium Development Goals for India - Challenges Opportunities and perspectives	Indian Council of Social Science Research	International Level Conference	70,000	Not Considered For Funding

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

The Institution has the following facilities available to carry out research by the students & research scholars:

Infrastructural facility

- Faculties are provided with individual PC with internet facility.
- Unlimited internet connectivity with Wi-Fi
- Well-equipped computer center and other Computer labs
- Provision to work in departmental laboratories round the clock.
- Well-equipped library
- Seminar Hall for Training
- Air conditioned Board room with ICT facility with overhead projector
- Centralized Reprographic and printing facility
- Specialized research labs
- Cafeteria

Library and Software resources

- E- journals and E- books
- Good collection of journals and periodicals
- Facility to lend books
- Software tools for research like STAAD.Pro, MATLAB, LABVIEW, etc.,
- Large number of Open Source Software

Human resources

- Experience faculty in different domains of engineering disciplines
- Good relationship with other institution researchers and faculty

Training provided

- Training on research awareness
- Training on Research methodology and quality research
- Training on LaTeX
- Training on writing research proposals

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

- As per the objective of the institution, the management intend to setup special laboratories/ centre of excellences every year.
- The existing specialized laboratories are augmented with necessary high-end gadgets and equipments for carrying out research.
- The plans of the departments are to conduct Seminar, Guest lecture, workshop and conferences which are used for deliberations in the emerging areas of research.
- Faculty who are carryout research activities are supported with provisions of necessary software and other facilities.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes', what are the instruments/facilities created during the last four years.

Yes, the institution received special grants from the industries for developing research facility as follows,

Department	Principal Investigator	Year	Funding Agencies/ Industries	Facilities Created/Equipment Specification	Amount in (Rs.)
CSE & IT	Mr.R.Vadivel	2016- 17	I3Indya Technologies, New Delhi.	(2IoT Kits Numbers Each)USBaspProgrammer,MINITron™ Board,GSMModule, USB to TTL Board,LM35 Temperature sensor,2 channel-Relay board,9 V DC Adapter,6 pin Relimate wires,1-pin Relimate wire	4,600
ECE	Mr.S.Velladurai	2013-14	PCB Design & fabrication Lab	Cutting Machine, Pressing Machine, Etching Machine Drilling Machine, Oven, Tinning Machine,	1,78,416
	Mrs.W.Sherine Mary	2013-14	CISCO Lab	Cisco Router (model:1941)-3 Nos, Cisco Switch-(Model:2960)-3 Nos, Wireless Router- (Model:Linksys) -2Nos	4,04,065

ECE	Mr.S.Muthukumar	2013-14	WIPRO Misson 10X Lab	TIOMAP Processor based UTLP Kits-20Nos	7,11,239
Mech	Dr.M.Natarajan	2015-16	Trident Pneumatic Pvt. Ltd,Coimbatore	Drive unit of Screw compressor	20,000
	Dr.K.Senthilkumar	2015-16	Adithya Institute of Technology, Coimbatore	Performance Enhancement of evacuated type solar water heater by V – through collector	40,000
	Dr.K.Senthilkumar	2015-16	Adithya Institute of Technology, Coimbatore	Performance analysis of Solar Dryer	25,000
	Dr.K.Senthilkumar	2015-16	Adithya Institute of Technology, Coimbatore	Performance analysis of Natural Ventilation	50,000
	Mr.D.Palanisamy	2015-16	Adithya Institute of Technology, Coimbatore	Performance Analysis of Multi Stage Atomizer Type Centrifugal Evaporative Aircooler	20,000
	Mr.B.Charles	2014-15	M/s. Adithya Hi Tech Valves, Coimbatore	3 Stage Helical reduction Gear box	40,000

Mech	Mr.M.Subramanian	2013-14	M/s. Adithya Hi Tech Valves, Coimbatore	1:3.8 single stage herringbone Reduction gear box	1,10,000
	Mr.M.Subramanian	2013-14	Adithya Institute of Technology, Coimbatore	Micro deep Drawing Setup	50,000
	Mr.D.Palanisamy	2012-13	Adithya Institute of Technology, Coimbatore	Performance analysis of Bio Gas Plant	20,000

3.3.4 What are the research facilities made available to the students and research scholars outside the campus/other research laboratories?

The college provides the following facilities to

- Faculty members who have registered for Ph.D programme can utilize the research facilities outside the campus such as Anna university against producing Bonafide and recommendation letter from the supervisor
- Permission is given to faculty pursuing PhD from other Institution to use our facility like Laboratory, Library, Board Room, Reprographic Facility, Canteen, Seminar Hall, etc., for various activities related to their research work.
- The Institution has signed MoU with industries helps the research scholars and students to utilize the facilities available in those industries

3.3.5 Provide details on the library / information resource center or any other facilities available specifically for the researchers?

- A dedicated 24x7 Wi-Fi facilities for researcher and faculty members.
- The College has library / information resource centre to cater to the needs of the research and the issue of books with bar code reader.
- NPTEL digital contents are also available for more than 200 subjects on intranet.
- Besides central library, there are libraries in department with good volume of books,
- Internet e journals through DELNET helps the researchers to download the articles of their choice

3.3.6 What are the collaborative research facilities developed / created by the research Institutes in the college? For ex. Laboratories, library, instruments, computers, new technology etc.

Yes, the Institute has collaborative research facilities developed with industries as follows

S. No	Department	Associating Institution / Organization
1	Computer Science and Engineering & Information Technology	INTEL® Intelligent Systems Lab, Intel Technology Private India Limited
2	Electronics and Communication Engineering	Cisco Networking Academy, Cisco Systems USA, Printed Circuit Board Mission 10x Technology, Learning Centre, WIPRO
3	Electrical & Electronics Engineering	Industrial Automation Laboratory Motor Testing Laboratory • Meter Calibration Laboratory
4	Mechanical Engineering	<ul style="list-style-type: none"> • Solar Energy Engineering Lab powered by M/s. Dev Solar, Coimbatore. • Rapid Prototyping Lab • Sensor and Interfacing Lab • Robotics Lab • ICTACT enabled Autodesk inventor Lab. • M/s Adithya Hi-Tech Valves- Gear box assembly unit • M/s Trident Pneumatics – Screw compressor drive unit

3.4 Research Publication and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of Patents obtained and filed (process and product)

Yes, The Institute filed for patent of the student from the department of Electronics and Communication Engineering Mr. Surya Narayanan, on the project titled ‘An Automated Monitor System for Intravenous Therapy’ (Filed & Patent No. 34/2013/08/23 – INA - 3238/CHE/2013 – 2013/07/20 – [FI19] – BIO MEDICAL ENGINEERING)

Patents to be filed,

- The Department of Civil Engineering has proposed to file a patent titled ‘PET Bottles Filled with Foundry Sand – An Alternative for Construction Blocks’ for low cost masonry works.
- The Department of Electronics and Communication Engineering has proposed to file a patent titled “Smart Irrigation”-which is based on using water resourcefully through monitoring of parameters like humidity, wind velocity, temperature etc rather than the conventional method of employing sensors throughout the agricultural fields which is costly.
- The Department of Electronics and Communication Engineering has proposed to file a patent titled “Smart EB meter” which aims at reducing manual labor and also provides a solution for taking Electricity readings even if user is unavailable and also alerting the exact units consumed to both the Electricity board and the user.

Original research contributing to product improvement

S.No	Department	Name of the Faculty and Student Involved in the research	Name of the Product	Application
1.	Mechanical Engineering	Arun bharathi.E Jagadesh.R Sudhan.K Parthiban.D	Design and Fabrication of Low Cost Computer Numeric Control Turning Machine Control System	Retrofitting of Conventional Lathes
2.	Electronics and Communication Engineering	Mr. Suryanarayanan	Intelligent System for Intravenous Therapy	Health Care
3.	Civil Engineering	Dr. D. Suji & Mr. S.Praveen	PET Bottles Filled With Foundry Sand – An Alternative for Construction Blocks	Sustainable Building Materials
4.	Electronics and Communication Engineering	Mrs. W. Sherine Mary	Smart Irrigation	ICT in Agriculture
5.	Electronics and Communication Engineering	Mrs. W. Sherine Mary	Smart EB meter	ICT

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

Yes, the Institute publishes articles of conferences in the various research journal listed in various international databases

- Department of Management Studies had organized a National Conference in associate with European Journal of Commerce and Management Research and published a special issue of Proceedings in the form of Journal of Commerce and Management Research, Volume 1, Special Issue 01, 2015, Print ISSN No: 2051-8080, Online ISSN – 2051 -8099 (www.ejcmr.org)
- Department of Civil Engineering had organized a National Conference in associate with International Journal of Engineering Research and Technology and published a special issue of Proceedings in the form of International Journal of Engineering Research and Technology, Volume 4, Issue 20, 2016, ISSN: 2278-0181 (www.ijert.org)
- Department of Computer science & engineering had organized a Third National Conference on 'Innovative Intelligence on Computer Technology' in associate with International Journal on Engineering Technology and Sciences– IJETS , ISSN(P):2349-3968 ,ISSN(O):2349-3976 (www.ijets.in)
- Department of Computer science & engineering had organized a Second National Conference on 'Innovative Intelligence on Computer Technology' with ISBN 978-81-89843-58-8 in associate with International Journal on Engineering Technology and Sciences– IJETS , ISSN(P):2349-3968 ,ISSN(O):2349-3976 (www.ijets.in)

3.4.3 Give details of publications by the faculty and students:**List of Faculty Publications**

Department	Total publications	No of Faculty Involved	Publication per Faculty
Computer science Engineering & Information Technology	30	10	03
Civil Engineering	24	03	08
Electronics & Communication Engineering	24	09	2.66
Electrical & Electronics Engineering	07	04	1.75
Mechanical Engineering	40	15	2.67
Management Studies	23	07	3.28
Science and Humanities	11	04	2.75

List of papers published by faculty in peer reviewed journals

S. No	Name of the Faculty	Title of the Paper	Journal Name	Volume& Issue No
1	Dr.N.Chitra Devi	A secure private cloud computing based framework for big data information management of smart grid	International Journal of Advanced and Innovative Research	Vol. 05 Issue 06
2	Dr.N.Chitra Devi	Data sharing scheme revisited in cloudcomputing using abe	International Journal on Engineering Technology and Sciences	Vol. 3, Issue 10
3	Dr.N.Chitra Devi	Secure broadcasting information within jamming wireless network	International Journal on Engineering Technology and Sciences	Vol. 03, Issue 10
4	Dr.N.Chitra Devi	E-MEECP- developing a dependable routing protocols for heterogeneous wireless networks	International Journal of Emerging Technology in Computer Science & Electronics	Vol. 23 Issue 01
5	Dr.N.Chitra Devi	Enhancing the Load Balancing in Data Center through Virtualization	International Journal on Engineering Technology and Sciences	Vol. 1 Issue 01
6	Dr.N.Chitra Devi	Data Reliability in Hierarchical Wireless Sensor Networks	International Journal on Engineering Technology and Sciences	Vol. 1 Issue 01
7	Dr.N.Chitra Devi	Energy Efficient Data Collection in Resource Constraint Wireless Sensor Networks	International Journal of Engineering Technology and Sciences	Vol. 03 Issue 06

8	Dr.N.Chitra Devi	A Study of Classification and Clustering Algorithm in Data Mining	Imperial journal of interdisciplinary research	Vol. 03, Issue 4
9	Mr. R.Vadivel	Energy Efficient Data Collection in Resource Constraint Wireless Sensor Networks	International Journal On Engineering Technology and Sciences	Vol. 03, Issue 6
10	Mr. R.Sagaya Vivian	Score level and feature level fusion of face and ear biometrics for personal authentication	International Journal of Research in Advent Technology	Vol. 02 Issue 05
11	Mr.V.GaneshKarthikeyan	E-MEECP- developing a dependable routing protocols for heterogeneous wireless networks	International Journal of Emerging Technology in Computer Science & Electronics	Vol. 23 Issue 1
12	Mr.V.GaneshKarthikeyan	Data sharing scheme revisited in cloud computing using ABE	International Journal on Engineering Technology and Sciences	Vol. 03, Issue 10
14	Mr. R.Vadivel	An algorithmic approach of keyword extraction based text documentation classification	International Journal of Research in Advent Technology	Vol. 02, Issue 05
15	Mr.S.Saravanakumar	Secure broadcasting information within jamming wireless network	International Journal on Engineering Technology and Sciences	Vol. 03, Issue 10
16	Mr.S.Saravanakumar	Automatic detection of masses in mammogram using CAD technique	International Journal on Engineering Technology and Sciences	Vol. 10, Issue 9

17	Mr.S.Saravanakumar	Advanced analysis of anatomical structures using hull based neuro-retinal optic cup ellipse optimization in glaucoma diagnosis	International Journal on Engineering Technology and Sciences	Vol. 5, Issue 1
18	Mr. R.Vadivel	TCP concurrent echo program using fork and thread	International Journal of Recent and Innovation Trends in Computing and Communication	Vol. 3, Issue 4
19	Mr.S.Saravanakumar	Recognition of faces in videos using fusion technique	International Journal on Engineering Technology and Sciences	Vol. 10, Issue 9
20	Mr.S.Saravanakumar	Advanced analysis of anatomical structures using hull based neuro-retinal optic cup ellipse optimization in glaucoma diagnosis	International Journal On Engineering Technology and Sciences	Vol. 5, Issue 1
21	Ms. V.M.Rupilaa	TCP concurrent echo program using fork and thread	International Journal of Recent and Innovation Trends in Computing and Communication	Vol. 3, Issue 4
22	Mr.T.Selvaprabhu	A multi dialectal provision e-mail server	International Journal of Engineering Technology and Sciences	Vol. 1, Special Issue
23	Ms. N.Rama Kalpana	Self-destruction data system for distributed object based active storage framework	International Journal of Engineering Technology and Sciences	Vol. 1, Issue 7
24	Mr. R.Sathish	A multi dialectal provision e-mail server	International Journal of Engineering Technology and Sciences	Vol. 1, Special Issue

25	Ms. N.Rama Kalpana	Secure anti-collusion data sharing schema for dynamic groups in cloud	International Research Journal of Engineering and Technology	Vol. 4, Issue 3
26	Mr. K.Sathyaseelan	TCP concurrent echo program using fork and thread	International Journal of Recent and Innovation Trends in Computing and Communication	Vol. 3, Issue 4
27	Ms. N.Rama Kalpana	Revolution data analytics in hadoop	International Journal of advanced information and communication technology	Vol. 3, Issue 11
28	Ms. V.M.Rupilaa	TCP echo program for iterative and concurrent server	International Journal of Advanced Research in Information and Communication Engineering	Vol. 3, Issue 4,
29	Mr. R.Sagaya Vivian	Score level and feature level fusion of face and ear biometrics for personal authentication	International Journal of Research In Advent Technology	Vol.2, Issue 5
30	Dr. D. Suji	Bio kinetic analysis on treatment of textile dyeing waste water using hybrid up flow anaerobic sludge blanket reactor	International Journal of Applied Engineering Research	Vol. 10, Issue 19
31	Dr. D. Suji	Comparative studies on advance waste water pretreatment system for textile dyeing industries. A case study of three plants in Tirupur	International Journal Pollution Research	Vol. 34, Issue 01
32	Dr. D. Suji	Conversion of bleaching and dyeing effluents sludge and Textile spinning mills waste into fuel	International Research Journal of Pharmaceutical and Applied Sciences	Vol. 04, Issue 05

33	Dr. D. Suji	Study on residual properties of Polypropylene fiber reinforced concrete under elevated temperatures	International Journal of Emerging technology and advanced Engineering	Vol. 5, Issue 6
34	Dr. D. Suji	A comparative study on bond strength of reinforcing steel in bottom Ash concrete and controlled concrete	Inter National Journal of Innovative Research in sciences, Engineering and technology	Vol. 4, Issue 6
35	Dr. D. Suji	Bacterial Concrete : Development of concrete to increase the compressive and split tensile strength using Bacillus Sphaericus	International Journal of Applied Engineering Research	Vol. 10, Issue 3
36	Dr. D. Suji	Potential application of Bacterial Inoculum to increase different mechanical strength in the prepared concrete	International Journal of Innovative research Engineering and Technology	Vol. 4, Issue 3
37	Dr. D. Suji	A study on Zero liquid discharge of textile sector in India Vs orders of honorable high court of Madras	Journal of Industrial pollution control	Vol. 31, Issue 01
38	Dr. D. Suji	Studies on Recycling of Sludge from Bleaching and Dyeing Industries in Cement Industries	Pollution Research	Vol. 34, Issue 01
39	Dr. D. Suji	Effective Colour Removal Technique For Bleaching & Dyeing Industry Effluents With Cost Estimation	International Journal of Applied Environmental Science	Vol. 10, Issue 02
40	Dr. D. Suji	A SWOT analysis of the proposed transshipment port in Great Nicobar Island of Andaman Nicobar Islands	Inter National Journal of Applied Environmental Sciences	Vol. 10, Issue 3
41	Dr. D. Suji	Treatment of Waste Foundry Sand using Fungi: An Approach for the Application in Manufacture of Concrete	International journal, "International Journal of Applied Engineering Research	Vol. 11, Issue 3

42	Dr. D.Suji	Optimum usage of Using Metakaolin and Quarry Dust in High Performance Concrete “	IOSR Journal of Engineering	Vol. 4, Issue 2
43	Dr. D.Suji	Static and cyclic behavior of high performance concrete beams using metakaolin and partial replacement with quarry dust	Journal of Industrial Pollution Control	Vol. 30, Issue 01
44	Dr. D.Suji	Container Traffic projections using AHP Model in selecting Regional Transshipment Hubs.	International Journal of Civil Engineering and Technology	Vol. 7, Issue, 2
45	Dr. D.Suji	Studies on Strength Characteristics on Utilization of Waste ceramic tiles as aggregate in Concrete	Inter National Journal of Civil and Structural Engineering Research,	Vol. 4, Issue 1
46	Dr. D.Suji	Mechanical Properties of Self Compacting Concrete with manufacturing sand and fly ash – An Experimental Approach	International Journal Environmental Protection,	Vol. 34, Issue 25
47	Dr. D.Suji	Experimental research on Improvement of Concrete Strength and enhancing the resisting property of corrosion and permeability by the use of Nano Silica flyashed concrete	International Journal of Emerging Technology and Advanced Engineering,	Vol. 2, Issue 6
48	Dr. D.Suji	Experimental Research on Enhancing the Ductility property of partial replacement of Fly ashed Nano Concrete	International Journal of Pollution Research	Vol. 3 , Issue 6
49	Dr. D.Suji	Strength Studies on High Performance Concrete Using Metakaolin Partial Replacement with Quarry Dust”	International Journal of Applied Environmental Sciences	Vol. 8, Issue 7

50	Dr. D. Suji	Studies on strength characteristics on utilisation of waste ceramic tiles. As aggregate in concrete	International journal of Civil and structural engineering research	Vol. 4, Issue 1
51	Dr. D. Suji	Influence of fibre reinforcement on strength and toughness of light weight concrete	International journal of Civil and Structural engineering research	Vol. 4, Issue 1
52	Dr. D. Suji	Experimental study on sulphate attack in granite powder concrete with GGBFS	International journal of Civil and Structural engineering research	Vol. 4, Issue 1
53	Dr. D. Suji	Application of fuzzy cognitive maps for crack catagorization in columns of reinforced concrete structures	Neural computing and Applications	Vol. 27, Issue 4
54	Dr. D. Suji	Comparative study on strength of concrete by partial replacement of fine aggregate by using M-sand and crushed spent fire bricks	Journal of Civil and Construction Engineering	Vol. 1, Issue 2
55	Dr. D. Suji	Studies on strength characteristics on utilisation of waste ceramic tiles. As aggregate in concrete	International journal of Civil and structural engineering research	Vol. 4, Issue 1
56	Dr. D. Suji	Influence of fibre reinforcement on strength and toughness of light weight concrete	International journal of Civil and Structural engineering research	Vol. 4, Issue 1
57	Mr.D.Loganathan	Experimental investigation's on rich mineral silica (ECOSAND) in concrete	International Journal of Engineering Sciences & ResearchTechnology	Vol. 5, Issue 11
58	Mr.S.Praveen	Investigations of proposed infrastructure developments in beypore port using rapid impact assessment matrix (RIAM)	International Research Journal of Environmental Sciences	Vol. 5, Issue 11

59	Mr.S.Praveen	Utilization of biomass in environs – A Review	International Journal of Advances in Interdisciplinary Research	Vol. 3, Issue 7
60	Mr.S.Praveen	Analysis and design of passenger berthing structure	International Research Journal of Engineering and Technology	Vol. 4, Issue 02
61	Dr. A.Rajendran	Enhanced possibilistic fuzzy C-means algorithm for normal and pathological brain tissue segmentation on magnetic resonance brain image	Arabian Journal for Science and Engineering, Springer Publication	Vol. 39, Issue 9
62	Dr. A.Rajendran	Atranquilize role mining using HR (Heuristic Random) approach	Asian Journal of Research in Social Sciences and Humanities	Vol. 7, Issue 1
63	Dr. A.Rajendran	A cardio vascular disease diagnosis decision support system using ANFIS approach	International Journal of Printing, Packaging & Allied Sciences	Accepted
64	Mr.V.S.Velladurai	Dimensionality reduction for local coordinates algorithm	International Journal of Innovative Research in Science, Engineering and Technology	Vol. 3, Issue 1
65	Mr.V.S.Velladurai	Recognition of faces in videos using fusion technique	Internal Journal of Applied Engineering Research	Vol. 10, Issue 9
66	Mr.S. Muthukumar	Design of Multibit Flip Flop for Digital Circuits	Journal of advanced research trends in engineering and technology	Vol. 2, Issue 1
67	Mrs.W. Sherine Mary	Automatic detection of masses in mammogram using cad technique	International Journal of Applied Engineering Research	Vol. 10, Issue 9

68	Mrs. V.Ganga	Dimensionality reduction for local coordinates algorithm	International Journal of innovative Research in Science, Engineering and Technology	Vol. 3, Issue I
69	Mrs.M.Laavanya	Real Oriented Dual Tree Wavelet Transform with an Optimal Threshold using Neighbor Coefficients and Gaussian Bilateral Filter for Image Denoising	Asian Journal of Research in Social Sciences and Humanities	Accepted
70	Mrs.M.Laavanya	Real Oriented 2-D Dual Tree Wavelet Transform with Non-Local Means Filter for Image Denoising (co-author)	Journal of Electrical Engineering	Accepted
71	Mrs.M.Laavanya	Singular Value Decomposition using Bivariate Model in Wavelet Domain for Image Denoising	International Journal of Printing, Packaging & Allied Sciences	Vol. 4, Issue 3
72	Mrs.M.Laavanya	Improved Resource Allocation for Co-operative OFDMA Wireless Networks	International Journal of Research in Computer Applications and Robotics	Vol. 4, Issue 4
73	Mrs.M.Laavanya	Spectral Energy Efficiency and Trust-Aware Scheme for Cognitive Radio Networks	International Journal of Innovative Research in Computer and Communication Engineering	Vol. 4, Issue 4
74	Mrs.M.Laavanya	Adaptive Dual Tree Discrete Wavelet Transform for Image Denoising	International Journal of Applied Engineering Research	Vol. 10, Issue 29
75	Mrs.M.Laavanya	Wide Fan-In Gates using Domino for Low Power Applications	International Journal of Applied Engineering Research	Vol. 10, Issue 9

76	Mr. S. Mohammed Harris	An Efficient Reconfigurable Filter Design for Reducing Dynamic Power	International Journal of Computer Applications Technology and Research	Vol. 2, Issue 1
77	Mr.V.Vijayaraghavan	Wavelet Based Image Denoising with Locally Adaptive Window and Non-Local Means Filter	Asian Journal of Research in Social Sciences and Humanities	Accepted
78	Mr.V.Vijayaraghavan	Real Oriented 2-D Dual Tree Wavelet Transform with Non-Local Means Filter for Image Denoising	Journal of Electrical Engineering	Accepted, Yet to Publish
79	Mr.V.Vijayaraghavan	Amalgamation of Dual TreeComplex Wavelet Transform and Non-Local Means Filter with Visushrink for Image Denoising	International Journal of Printing, Packaging & Allied Sciences	Vol. 4, Issue 3
80	Mr.V.Vijayaraghavan	Secret Data Sharing Through Image by Using LWT and LSB Steganography Techniques	International Journal of Engineering Science and Computing	Vol. 6, Issue 12
81	Mr.V.Vijayaraghavan	Improved Resource Allocation for Co-operative OFDMA Wireless Networks	International Journal of Research in Computer Applications and Robotics	Vol. 4, Issue 4
82	Mr.V.Vijayaraghavan	Spectral Energy Efficiency and Trust-Aware Scheme for Cognitive Radio Networks	International Journal of Innovative Research in Computer and Communication Engineering	Vol. 4, Issue 4
83	Mr.V.Vijayaraghavan	Adaptive Dual Tree Discrete Wavelet Transform for Image Denoising	International Journal of Applied Engineering Research	Vol. 10, Issue 29
84	Mr.V.Vijayaraghavan	Dual Edge Flip-Flop Design based on Feed-through Scheme	International Journal of Applied Engineering Research	Vol. 10, Issue 9

85	Mr. J.R.Nishanth	Enhanced Built-In Self Test For MSP 430	International Journal of Applied Engineering Research	Vol. 10, Special Issue
86	Mr. D.V Ravikumar	A Novel Single Phase Grid Connected Five Level Inverter for high Power MultiLevel Applications	Asian Journal of Research in Social Sciences and Humanities	Vol. 06, Issue 06
87	Mr. D.V Ravikumar	An Improved Photo Voltaic Power Generation System Using 5 Levels Cascaded Multilevel Inverter and Incremental Conductance Power Controller	International Journal of Printing, Packaging & Allied Sciences	Vol. 04, Issue 04
88	Ms. P.Keerthana	Performance analysis of fuzzy controller based induction motor drive	International Journal of Applied Engineering Research	Vol. 10, Issue 20
89	Ms. P.Keerthana	A Hybrid Cascaded Multilevel Inverter Using Space Vector Pulse Width Modulation	Journal of Power Electronics & Power Systems	Vol. 05, Issue 01
90	Dr.N.Kathiravan	Optimizing the production of biogas from food waste using ANN	Proceedings of The Institution of Civil Engineers - Municipal Engineer	Vol. 169, Issue 04
91	Dr.N.Kathiravan	CFD analysis for homogenous effect of biogas and air in the intake manifold of dual fuel ci Engine	International Journal Of Advanced Engineering Technology	Vol. 7, Issue 2
92	Mr. M.Subramanian	Parametric optimization of micro deep drawing process using FEM based Taquchi Method	Asian Journal Of Research In Social Sciences And Humanities	Vol. 6, Issue 11

93	Dr.K.Senthilkumar	Evaluation of pressure drop of cyclone separator in a cement kiln by using cfd analysis	International Journal of Applied Engineering Research	Vol. 10, Issue 19
94	Dr.K.Senthilkumar	Sustainable Manufacturing for Improvement in Flank Wear using Vortex Tube	Asian Journal of Research in Social Sciences and Humanities	Vol. 7, Issue 1
95	Dr.K.Senthilkumar	Study on environmental impact minimization of drive shaft	International Journal of Applied Engineering Research	Vol. 10, Issue 19
96	Mr. A.Karthick	A Study on Mechanical Properties on Lm6 Aluminium Alloy by Varying Magnesium(Mg) Content using stir casting	Journal of Emerging Technologies and Innovative Research	Vol. 3, Issue 7
97	Mr. A.Karthick	Experimental analysis of automatic disc braking system	Journal of Automation and Automobile Engineering	Vol 2, Issue 1
98	Mr. A.Karthick	Automatic Disc Braking System Experimental Investigation	Asian Review of Mechanical Engineering	Vol. 5 Issue 2
99	Mr.B.Shanmugasundaram	Design and development of two degree of freedom model with pid controller for turning operation	Journal of Measurements in Engineering	Vol. 4, Issue 10
100	Mr.B.Shanmugasundaram	Smart turning rule feedback controller for chatter suppression in magneto-rheological fluid based turning process application	International Journal of Printing, Packaging & Allied Sciences	Vol. 4, Issue 4

101	Dr. M.Natarajan	A case study in compressed air treatment products manufacturing company	Journal of Manufacturing Technology	Vol. 24 Issue 8
102	Mr.B.Charles	Bio-diesel burner design for rural thermal application	International journal for scientific research & development	Vol. 4, Issue 09
103	Mr.B.Charles	Investigation on performance and emission characteristics of biodiesel blends extracted from trash fish oil	International journal of scientific development and research	Vol. 1, Issue 11
104	Mr.D.Palaniswamy	Turbo charging on the performance of diesel engine with biodiesel – a technical review	CIIT International Journal of Artificial Intelligent Systems and Machine Learning	Vol. 4, Issue 06
105	Mr.D.Palaniswamy	investigation of bio-wastes and methods for The production of bio-hydrogen	International Journal of Scientific Research	Vol. 1, Issue : 5
106	Mr.D.Palaniswamy	Effects of aspiration methods and alternative Renewable fuels in an internal combustion Engine - an overview	Indian Stream Research Journals of Golden Research Thoughts	Vol. 2, Issue. 8
107	Mr.D.Palaniswamy	measurement of exhaust gas in diesel engine based on dataacquisition system monitoring	Archives Des Sciences	Vol.66, Issue 2
108	Mr.D.Palaniswamy	investigating the performance of a diesel engine fuelled with preheated biogas and its emission monitoring using lab view	Archives Des Sciences	Vol. 66, issue: 03

109	Mr.D.Palaniswamy	Studies on solar assisted liber/h ₂ O absorption air conditioning system for an auditorium	Indian Stream Research Journal	Vol. : 1, Issue : 5
110	Mr.D.Palaniswamy	Comparative investigation on performance of various aspiration methods applied in a single cylinder diesel engine	Emerging Materials Research	Vol. 4, Issue 2
111	Mr.D.Palaniswamy	CFD analysis for homogenous effect of biogas And air in the intake manifold of dual fuel ci Engine	International Journal of Advanced Engineering Technology	Vol. 07, Issue 02
112	Mr.D.Palaniswamy	Optimizing the production of biogas from food waste using ann	Proceedings of the Institution of Civil Engineers - Municipal Engineer	Vol. 169, Issue 04
113	Mr.D.Palaniswamy	Optimizing the supercharger effect on the performance and emission of biogas diesel engine using anfis	Asian journal of research in social sciences and humanities	Vol. 6, Issue 7
114	Mr.B.Charles	Effect of direct water injection on performance and emission characteristics of diesel engine fueled with bio diesel and hydrogen	International journal of science technology & engineering	Vol. 3 , Issue 05
115	Mr.B.Umesh	A study on mechanical properties on lm6 aluminium alloy by varying magnesium(mg) content using stir casting	Journal of emerging technologies and innovative research	Vo.No: 3, Issue 7

116	Mr.P Mohanraj	Filler material reinforced with natural fiber of mechanical properties and microstructure analysis for preparing perfect fiber	Asian journal of applied science and technology	Vol.1, Issue 2
117	Mr.P.L.NavaneethaKrishnan	Bio-diesel burner design for rural thermal application	International journal for scientific research & development	Vol. 4, issue 09
118	Mr.P.L.NavaneethaKrishnan	Investigation on performance and emission characteristics of biodiesel blends extracted from trash fish oil	International journal of scientific development and research	Vol. 1, Issue 11
119	Mr.P.L.NavaneethaKrishnan	Effect of direct water injection on performance and emission characteristics of diesel engine fueled with bio diesel and hydrogen	International journal of science technology & engineering	Vol. 3, Issue 05
120	Mr.M.K.Sathish Kumar	Effect of direct water injection on performance and emission characteristics of diesel engine Fueled with bio diesel and hydrogen	International journal of science technology & engineering	Vol 3 , Issue 05
121	Mr.R.M.Udhaya Chandran	A study on mechanical properties on lm6 aluminium alloy by varying magnesium(mg) content using stir casting	Journal of emerging technologies and innovative research	Vol. 3, Issue 7
122	Mr.R.M.UdhayaChandran	Study of aluminium rod using portable wear testing machine	Journal of emerging technologies and innovative research	Vol.3, Issue 7
123	Mr.P Mohanraj	Review on natural fiber in various pretreatment conditions for Preparing perfect fiber	Asian journal of applied science and technology	Vol.1, Issue 2

124	Mr.B.Umesh	Study of aluminium rod using portable wear testing machine	Journal of emerging technologies and innovative research	Vol.3, Issue 7
125	Mr.D.Ramesh Kumar	Design and analysis of rotavator blades for its enhanced performance in tractors	Asian journal of applied science and technology	Vol. 1 Issue 1
126	Mr.D.Ramesh Kumar	Filler material reinforced with natural fiber of mechanical properties and microstructure analysis for preparing perfect fiber	Asian journal of applied science and technology	Vol. 1, Issue 2
127	Mr.D.Ramesh Kumar	Review on natural fiber in various pretreatment conditions for Preparing perfect fiber	Asian journal of applied science and technology	Vol, 1 Issue 2
128	Mr.K.T.Shabarinathan	A study on mechanical properties on lm6 aluminium alloy by varying magnesium(mg) content using stir casting	Journal of emerging technologies and innovative research	Vol. 3, Issue 7
129	Mr.P Mohanraj	Design and analysis of rotavator blades for its enhanced performance in tractors	Asian journal of applied science and technology	Vol.1, Issue 1
130	Dr.C.Karthikeyan	An Analytical study on euthanasia and its possible impact in India : with special reference to Recent approval of Passive Euthanasia	International Journal of Business and Administration Research Review	Vol.2 , Issue 16

131	Dr.C.Karthikeyan	A Qualitative Study on Managing Millennial Mindsets: Awaiting Challenges for HR Strategists and Recruiters	International Journal of Innovative Research in Engineering & Management	Vol. 4, Issue 1
132	Dr.C.Karthikeyan	Imbibing self destructive Behavior : A qualitative and a Descriptive analysis on the Causative Factors	International Journal of Business and Administration Research Review	Vol. 2 , Issue 11
133	Dr.C.Karthikeyan	A Casual Research on Alcoholism and its societal costs	International journal of management and social sciences research Review	Vol.1 , Issue15
134	Dr.C.Karthikeyan	Meta Analysis on Decreasing role of traditional sources of Influence Family, school, Community, Religion.	International Journal of Multidisciplinary Research Review	Vol. 7 , Issue1
135	Dr.C.Karthikeyan	Re- Skilling and Right skilling HR Component to Sustain Turbulent Business Scenario: A Conceptual study on Prevailing strategies	European Journal of Commerce and Management Research	Vol.1 , Issue1
136	Dr.C.Karthikeyan	An Exploratory study on the skill development paradox and employability in india due to depleting manufacturing sector	International journal of management and social sciences research Review	Vol. 1 , Issue 30
137	Dr.C.Karthikeyan	Qualitative research on importance of emotional health: with reference to increasing suicidal tendencies in globalization	International Journal of Multidisciplinary Research Review	Vol.1 , Issue22
138	Dr.C.Karthikeyan	HRD Initiatives for skill development	International Journal of Multidisciplinary Research Review	Vol. 1 , Issue 22

139	Dr.C.Karthikeyan	A Descriptive study on HR metrics application to work force analytics	International Journal of Business and Administration Research Review	Vol. 2 , Issue 16
140	Dr.N.Gokilamani	Impact of E Banking on Traditional Banking services	Bulletin of Research Development	Vol.3 , Issue 2
141	Dr.N.Gokilamani	Services Performance in the Retail banking of the commercial banks in Coimbatore District – An Empirical Assessment.	Research Explorer	Vol.3 , Issue 8
142	Mrs.M.Vaishnavi	Nature and trends of Non Performing Assets: An Indian Scenario	European Journal of Commerce and Management Research	Vol.1 , Issue 1
143	Mrs.V.K.Arthi	A study on Investors Willingness to take risk in stock market investments with special reference to Coimbatore city	.International Journal of Business and Administration Research Review	Vol.3 , Issue 1
144	Mrs.V.K.Arthi	A Study of BETA of Selected Securities with respect to NIFTY stocks	International journal of management and social sciences research Review	Vol.1 , Issue 27
145	Mr.B.Yuvaprakash	Employee Engagement towards global Scenario	European Journal of Commerce and Management Research	Vol. 1, Issue 1
146	Mr. K.S.Ramesh	Removal of Acid Violet 19 Dye from Aqueous Solution by Adsorption onto Activated Charcoal and Polyaniline Coated Charcoal	International Journal of Trend in Research and Development	Vol. 3, Issue 3

147	Mr. K.S.Ramesh	Investigation of Thermal and Electrical Conductivity of Chemically Synthesized Polyaniline Co (O-Toluidine) Doped with Hcl	International Journal of Trend in Research and Development	Vol. 3, Issue 3
148	Dr. V. Manigandan	Performance Evaluation of Tilted-Wick Type Solar Still with the Effect of Stationary Thin Film of Water and Water Flowing Over the Condensing Glass Cover	International Journal of Trend in Research and Development	Vol. 3, Issue 3
149	Dr. V. Manigandan	Enhanced Performance of a Floating Cum Tilted Wick Type Solar Still for the Climatic Conditions of Coimbatore during winter	International Journal of Trend in Research and Development	Vol. 3, Issue 3
150	Dr. V. Manigandan	Performance Evaluation of Tilted Wick-TypeSolar Still Integrated with Shallow Solar Pond	International Journal of Science Technology and Engineering	Vol. 2, Issue 12
151	Mrs.S.Sudharani	Manpower model for a single grade system with two sources of depletion and two components for threshold	International Journal of Engineering Research and Development	Vol. 10, Issue 05
152	Mrs.S.Sudharani	Stochastic model for a single grade system with three components for threshold and correlated inter-decision times	International Journal of Mathematics and Computer Applications Research	Vol. 1, Issue 02
153	Mrs.S.Sudharani	Stochastic model for a single grade system with two components for threshold and correlated inter-decision times	International Journal of Applied Mathematics	Vol. 6, Issue 01

154	Mr. K.S.Ramesh	Synthesis, structure, thermal and NLO properties of a novel organic 2-(1,2,3,4-tetrahydro-9H-carbozon-1-ylidene) propanedinitrile crystal	Interantional journal of chemical and analytical science	Vol. 3, Issue 3
155	Mr.P.Selvam	A new method to find octagonal fuzzy number (OFN)	International Journal of Control Theory and Application	Vol. 9, Issue 28
156	Mr.P.Selvam	Dodecagonal fuzzy numbers (DDFN)	International Journal of Control Theory and Application	Vol. 9, Issue 28
157	Ms.S.Pradeepa	A comprehensive review on vision based hand gesture recognition technology	International journal of research in advent technology	Vol. 2, Issue 1

Number of papers published in peer reviewed journals (national / international) for the past 4 years	157
Monographs (Lab Manuals)	55
Chapter in Books	Nil
Books Edited	Nil
Books with ISBN/ISSN numbers with details of publishers	Nil
Citation Index	Min -0.12, Max - 4.11
SNIP	Min -0.23, Max - 0.498
SJR	Min -0.13, Max - 5.153
Impact factor	Min -0.13, Max - 5.83
h-index	Min -2.9, Max - 45

List of Students Publications

Department	Total publications	No of students Involved	Publication per students
Computer science Engineering	03	03	01
Electronics and Communication Engineering	10	08	1.25
Information Technology	2	2	1
Management Studies	01	01	1
Civil Enginnering	32	32	01

List of papers published by students in peer reviewed journals

S. No	Name of the Student	Title of the Paper	Journal Name	Volume & Issue No.
1	R.Narayanamurthy	E-MEECP- Developing a dependable routing protocols for heterogeneous wireless networks	International Journal of Emerging Technology in Computer Science & Electronics	Vol 23 Issue 01
2	R. Balachandran	Data sharing scheme revisited in cloud computing using abe	International Journal on Engineering Technology and Sciences	Vol 03, Issue 10,

3	V.Vaishnavee	Secure broadcasting information within jamming wireless network	International Journal on Engineering Technology and Sciences	Vol 03, Issue 10
4	A.Kayalvizhi	Design of Multibit Flip Flop for Digital Circuits	Journal of advanced research trends in engineering and technology	Vol. 2, Issue I
5	S.Suganya	Design of fused add-multiply operator using modified booth recoding scheme	Journal of advanced research trends in engineering and technology	Vol. 2, Issue I
6	A.Parkavi	Design of Area-Delay-Low power efficient carry-Select Adder	Journal of advanced research trends in engineering and technology	Vol. 2, Issue I
7	S.M.Meena	Dimensionality reduction for local coordinates algorithm	International Journal of innovative Research in Science, Engineering and Technology	Vol. 3, Issue I
8	M.P.Bindukala	Hybrid solar and wind power conversion using DFIG with grid power leveling	International Journal of Emerging Trends in Electrical and Electronics	Vol. 1, Issue 1
9	K.Muniraj	Recognition of faces in videos using Fusion Technique	Internal Journal of Applied Engineering Research	Vol.10, Issue 9
10	K.Muniraj	Recognition of faces in videos using Fusion Technique	International Journal of Advanced Research Trends in Engineering and Technology	Vol. 2, Issue 1
11	P.Muthuvidhya	Automatic Detection Of Masses in Mammogram Using CAD Technique	International Journal of Applied Engineering Research	Vol.10, Issue 9
12	P.Muthuvidhya	Computer Aided Automatic Detection of Masses in Mammogram	International Journal of Advance Research Trends in Engineering & Technology	Vol. 2, Issue 1

13	Harini .V	Secret Data Sharing Through Image by Using LWT and LSB Steganography Techniques	International Journal of Engineering Science and Computing	Vol. 6, Issue 12
14	R Rajeshwari	Employee Retention	European Journal of Commerce and Management Research	Vol. 01, Issue 01
15	Sheba Sam	Study on residual properties of Polypropylene fiber reinforced concrete under elevated temperatures	International Journal of Emerging technology and advanced Engineering	Vol. 5, Issue 6
16	B. Nithya,	A comparative study on bond strength of reinforcing steel in bottom Ash concrete and controlled concrete	Inter National Journal of Innovative Research in sciences, Engineering and technology	Vol. 4, Issue 6
17	P. Rajalakshmi	Studies on Strength Characteristics on Utilization of Waste ceramic tiles as aggregate in Concrete	Inter National Journal of Civil and Structural Engineering Research	Vol. 4, Issue 1
18	Mohana V	Influence of Fiber reinforcement on Strength and toughness of Light Weight concrete”	Inter National Journal of Civil and Structural Engineering Research	Vol. 4, Issue 1
19	Lejumol T	Experimental Study on Sulphate attack in Granite Powder concrete with GGBFS	Inter National Journal of Civil and Structural Engineering Research	Vol. 4, Issue 1
20	Poovendran S	Experimental Study on Partial Replacement of Waste Foundry sand in Flexible Pavements	Inter National Journal of Civil and Structural Engineering Research	Vol. 4 , Issue 1

21	Krishna Kumar S	Experimental Study on Concrete using Waste Marble Powder and quarry Dust as Partial Replacement of Cement and fine Aggregate	Inter National Journal of Civil and Structural Engineering Research	Vol. 4, Issue 1
22	Deepak R	Experimental Study on Mechanical Properties of Bituminous mixes Using Steel slag”	Inter National Journal of Civil and Structural Engineering Research	Vol. 4 , Issue 1
23	Narayanan A	Experimental study on partial Replacement of Fine aggregate with Quarry Dust and saw dust	International Journal of advancement in Engineering and technology, Management and Applied Sciences	Vol. 3, Issue 6
24	Malar Nivetha. B	Damage detection of Simply supported beam by Residual force method	International Journal of Engineering Development and research	Vol. 4, Issue 2
25	Menaka	Accelerated corrosion fatigue crack growth studies on Is 2062 Gr.E 300 Steel	International journal of research in applied science & engineering Technology	Vol. 4, Issue 5
26	L. Prakash	Experimental Analysis of Automatic Disc Braking System	Journal of Automation and Automobile Engineering	Vol. 2 Issue 1
27	L. Prakash	Automatic Disc Braking System Experimental Investigation	Asian Review of Mechanical Engineering	Vol. 5 Issue 2

3.4.4 Provide details (if any) of Research Awards by Faculty Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

The following faculty members are recognized as Supervisors for guiding M.S. / PhD research program comes under Anna University, Chennai.

Name of the Faculty	Department	M.S/PhD
Dr.D.Suji	Civil Engineering	Ph.D
Dr. A. Rajendran	Electronics and Communication Engineering	Ph.D
Dr. P. Ramamurthy	Electronics and Communication Engineering	Ph.D
Dr.N.Kathiravan	Mechanical Engineering	Ph.D
Dr.M.Natarajan	Mechanical Engineering	Ph.D
Dr.K.Senthilkumar	Mechanical Engineering	Ph.D
Dr.V.Manigandan	Science and Humanities	Ph.D

The faculties of the institution are serving as the Editorial board members and research paper reviewers for various National and International Journals.

Department	Name of the Faculty	Role of the faculty	Conference /Journal
CSE & IT	Dr.N.Chitra Devi	Reviewer	Electronics and Telecommunications Research Institute (ETRI) Journal
CSE & IT	Dr.N.Chitra Devi	Reviewer	International Journal of Communication System
Civil	Dr.D.Suji	Reviewer	Indian Journal of Engineering & Materials Sciences
ECE	Dr. A. Rajendran	Advisory Committee Member & Reviewer	International Journal of Biomedical and Control
	Dr. A. Rajendran	Reviewer	Coimbatore Institute of Information and Technology Journal of Information and Technology
	Dr. A. Rajendran	Reviewer	The Open Cybernetics and Systemic Journal
	Dr. A. Rajendran	Reviewer	Journal of Biomedical Engineering (IEEE)
	Dr. A. Rajendran	Reviewer	Journal of Biomechanics and Biomedical Engineering: Imaging & Visualization
	Mrs. M. Laavanya	Reviewer	International Journal for Innovative Research in Science & Technology
	Mr. V. Vijayaraghavan	Reviewer	International Journal for Innovative Research in Science & Technology

Department	Name of the Faculty	Role of the faculty	Conference /Journal
Mechanical	K.Senthilkumar	Reviewer	Journal of Sustainable Energy & Environment
	K.Senthilkumar	Reviewer	International Journal of Green Energy
	K.Senthilkumar	Reviewer	Mat Journals - Journal Publishing Organization
	B.Shanmugasundaram	Reviewer	Journal of Emerging Technologies and Innovative Research (Jetir)
	B.Shanmugasundaram	Reviewer	Global Research and Development Journals
	B.Shanmugasundaram	Reviewer	Journal of Optimal and Layer Science
	B.Shanmugasundaram	Reviewer	Journal of Earth and Material Science
	B.Shanmugasundaram	Reviewer	Journal of Alternative and Renewable Energy Sources
	D.Palaniswamy	Reviewer	Renewable and Sustainable Energy Reviews
	D.Palaniswamy	Reviewer	Sustainable Energy Technologies And Assessments
	D.Palaniswamy	Reviewer	The Open Fuel and Energy Science Journal
	S.Muthusaravanan	Reviewer	Global Research and Development Journals
	S.Muthusaravanan	Reviewer	Research Script International Journal
	S.Muthusaravanan	Reviewer	Journal of Emerging Technologies and Innovative Research (Jetir)
	P.L.Navaneetha Krishnan	Reviewer	International Journal of Science and Technology

Department	Name of the Faculty	Role of the faculty	Conference /Journal
Mechanical	B.Umesh	Reviewer	Journal of Emerging Technologies and Innovative Research (Jetir)
	B.Umesh	Reviewer	International Journal of Development and Research
	A.Karthick	Reviewer	Journal of Emerging Technologies and Innovative Research (Jetir)
	A.Karthick	Reviewer	International Journal of Science and Engineering Development Research
Management Studies	Dr.N.Gokilamani	Reviewer	Global Research and Development Journals
	Dr.N.Gokilamani	Reviewer	International Journal of Science and Engineering
	Dr.N.Gokilamani	Reviewer	Bulletin of Research Development

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface

The faculty member are engaged in research work, frequently interact with the industry experts to know the latest trends.

The College entertains the Industry Institute –Interaction by engaging them in the

Following activities:

- Industrial Visits
- Consultancy Projects
- Inviting industry experts
- Conducting technical events
- Memorandum of Understanding

The Responsibilities are assigned at various levels and through various cells to improve the research culture among the students and faculties.

S.No	Responsibility	Type of Interaction	Frequency of Interaction
1	Training and Placement Cell	For arranging Value Added Programsby Industry experts and Students Placement	Throughout the year
2	Heads of the Departments	Industrial Visits and Guest lectures and Industrial training by industry experts	During the beginning of the semester and Sabbatical training for teachers During vacation period
3	Research and consultancy cell	Consultancy activities	Throughout the year
4	Students (in consultation with HODs and Training and Placement)	Inplant Training and Internship	During vacation period
5	Entrepreneurship Development Cell	Guest lectures	Throughout the year
6	Industry Institute Interaction Cell	Guest lectures and Industrial training by industry experts	Throughout the year

**3.5.2 What is the stated policy of the institution to promote consultancy?
How is the available expertise advocated and publicized?**

- Identifying the Domain expertise in each departments
- Discussing the interdisciplinary possible research works during Research cell meetings
- Arranging programmes to faculty in which consultancy can be rendered.
- Identifying the need of industries and institutions through interactions
- The expertise of the eminent faculty is also made known through the college website, college prospectus and brochures and through personal contacts of the experts.
- Brochures are sent to various industries along with the list of equipment with specifications for possible areas of consultancy work, with list of faculty members who would be able to handle such assignments with their technical background, qualifications and experience etc.
- Signing MoUs with Industries in specific areas of activity.
- Inviting industry professionals to visit the institute / departments and interact with faculty members / technicians and organizing their visits to labs, infrastructural facility centres, etc.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

- Brochures are sent to various industries along with the list of equipment with specifications for possible areas of consultancy work, with list of faculty members who would be able to handle such assignments with their technical background, qualifications and experience etc.
- On Duty is provided to the faculty to visit industries for carrying out the consultancy services.
- Flexible academic load is provided to such faculty who are involved in consultancy and related activities.
- Revenue sharing is also permitted.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

- The institute encourages its senior faculty to attend annual conferences of industry association where they can make their presence felt through contributions and networking with the prominent industry personnel.
- The remuneration received through consultancy services by the individual faculty is useful to the institute.

Department	Title of the work	Name of the Client	Consultancy Fees in (Rs/-)
Civil Engineering	Compression Test on Wood	M/s. IVA Infrastructures, Coimbatore	1100
	Soil UCC Test	U.G Project Students, DhanishAhmed Institute of Technology	600
	Feasibility Studies of Transportation of Hazardous Cargo Through waterways	Mir Projects & Consultants Pvt. Ltd Kochi	60,000
	Rebar Test	SreeRangaraj Steel, Karaikal	1,750
	Soil Test	Adithya Auditorium, Coimbatore	5,000
Civil Engineering	Soil Test	Mrs. Parimela, Chitra Nagar, Coimbatore	7,500
	Concrete beam & Cylinder test	Ph.D Scholar, Karunya University	3,078
Civil Engineering	Rebound Hammer test	M/s. Shrikubheraparivar, Coimbatore	6,750

	NDT Test	R. M. Mayileru & Co, Coimbatore	30,000
	Soil Test	R. M. Mayileru & Co, Coimbatore	18,156
	Soil Test	M/s.Eshan Builders, Puliampatti, Coimbatore	6,000
	Soil UCC test	U.G Project Students, Kathir Engineering College	600
	Rebar - Tension test	Srinivasan Associates Private Limited	2,650
	Concrete Cube Compression Test	Srinivasan Associates Private Limited	12,650
	Concrete Cube Compression Test	Srinivasan Associates Private Limited	33,550
CSE	Website Development	Lysium networks	25,000
Mechanical Engineering	Consulting Services for New Product Development and Quality Improvement	Trident Pneumatics Private Limited,	96,000
		Trident Pneumatics Private Limited,	96,000
Mechanical Engineering	Consulting Services for New Product Development and Quality Improvement	Trident Pneumatics Private Limited,	96,000
		Trident Pneumatics Private Limited,	96,000

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

- The Institution generally permit to share the revenue generated from the consultancy on 40:60 ratio to the faculty members who involved in the consultancy works.
- Generated funds from the consultancy are used for research activities and purchase and maintenance of equipment used for consultancy activities.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

The institution promotes neighborhood community development by organizing activities regularly related to social awareness.

- NSS Units comprising of more than 100 students are actively participating in the following community development activities:
- NSS camp and village adaption
- Tree Plantation
- Voter's Awareness Rally
- PMKVY-Skill Development Training Campaign
- Swachh Rail Swachh Bharath Drive
- Swachh Bharath (Clean India) Drive
- AIDS Awareness programmes
- International women's day celebration
- Blood Donation camp
- Renewable Energy day celebration
- Literacy awareness program
- Leadership Skills and Soft Skills Training
- Adithya IAS academy was started 20.07.2012 and successfully run for three years for the benefits of students from rural area in and around the institution for appearing in various Competitive exams like UPSC, TNPSC, IBPS, etc...
- The institute is aware of its role in campus cum community connections, well being of its neighborhood as well as build student's interest for service orientation and good citizenship.

- Adithya Blood donor club has been formulated by the members of staff and students for benefit of the needy.
- The Institution attempted to have a low frequency community radio station to be setup in house, but due to the frequency range issues, the permission was denied by the Ministry of Information and Broadcasting,
- Sports & events are organized regularly for the benefits of the rural students
- At the Institution level Android application is developed in which database of students with their blood group is recorded. Whenever any emergency arises it helps the needy to get the details of the donor

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

- Periodical Tutor Ward meetings helps to identify the students having interest in various club activities and they are motivated
- Alternative Saturdays of every month last two periods in the afternoon session are left for various club activities. The Activities are monitored by a faculty specially deputed
- Further, at the end of the semester, such data is compiled at HODs level and in consultation with Principal they are awarded as best students during Annual Day function.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

- The feedback from all the stake holders are obtained at the time of Parents meetings, Alumni meet, Experts visits and so on. It helps the institution to fine-tune the various activities at various levels
- The grievances of the students are addressed through TTutor Ward meetings, Closed door Meetings, LMS feedback and chairman meeting.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students

The institution plans and participates in various outreach programme as per the direction by the affiliating university and request from the local government authorities. The sufficient number of student volunteers and faculty in charges are deputed to participate and conduct the programme successfully.

Year	Extension and Outreach Programmes	Budgetary Details in (Rs/-)
2016-17	NSS, YRC, Blood Donation Camp	53,000
2015-16	NSS, YRC, NCC Camp for School Children	60,000
2014-15	NSS and Various Outreach extension Activities	30,000
2013-14	NSS, YRC and Outreach Programmes	25,000

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

- During the orientation program conducted by the institution which is attended by the first year students along with their parents, the importance of taking part in extension activities connected with NSS, YRC, various clubs etc are informed.
- Students are subsequently encouraged to become members of NSS, YRC and other various clubs.
- Details related to activities connected to extension activities are notified to all the students which help the students to plan well and take part in such activities.

Academic Year	Name of the Event/ Program	Guest/ Organization	Venue	No. of Participants
2016-17	Educational District Level training Cum Study Camp	Indian Red Cross Society	Adithya Institute of Technology	200
	DEAF (Detection of Early Deafness & Prevention of Future Dumbness)	Indian Red Cross Society	S.S Kulam	30

2016-17	Swatch Rail Celebrations	Southern Railways, Coimbatore	Coimbatore Junction Railway Station	80
	Awareness Blood donation, Organ donation and Skin donation	Ganga Hospital, Indian Medical Association	Adithya Institute of Technology	150
	Clean India Mission Drive - (Collection of Waste Plastic bottles Campaign)	Southern Railways, Coimbatore	Coimbatore Junction Railway Station	150
	The Hindu- Car Free Sundays	The Hindu, Coimbatore city police, Coimbatore Municipal corporation	NSR Road, Coimbatore	1500
2014-15	Rain Water Harvesting	Kurumbapalayam Panchayath	Kurumbapala yam	50
	Special Eye Screening Camp	Sankara Eye Hospital	Adithya Institute of Technology	1300
	Three Day District Disaster Response Team Formation & Training Program	Dr. Nandhini R. Chairman of Indian Red Cross Society, Coimbatore	Adithya Institute of Technology	120
	Social Awareness of Modern Youths	Dr.R.Thangavel Prof& Head of Ramakrishna Mission Vidyalaya college	Adithya Institute of Technology	120

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

- The institute is making a conscious effort to promote social justice as a value in learning process.
- The institution sincerely practices Govt. social affirmative schemes for the upliftment of under privileged communities.
- The college NSS unit has been organizing programme in and outside the college for the benefit of nearby community. Required facilities are given to differently-able students.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

Participation of students in various extension activities inculcate following values in their traits complimenting their academic learning experiences in,

- Understanding the importance of social service
- Commitment to participate in eliminating suffering of the under privileged
- Building of self confidence.
- Development of inter personal skills
- Sense of responsibility toward societies
- Development of positive attitude of helping and carrying attitude towards differently-able people.
- Respect to elderly people
- Respect for nature and environmental protection needs.
- Positive approach towards life
- Joint-man ship and sense of togetherness

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

- Necessary leaflet/flyers are printed and circulated to the people in the nearby community.
- The institution contacts and takes the help and advice of elderly and influential people like village head, members of gram panchayat to ensure the involvement of local population in its community development activities.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

- Constructive relationships are forged with organizations like social capital initiative under smart city projects and Rotary clubs.
- The institute has associated with the village panchayat of Kurumbapalayam and social activities like, sapling of plants, teaching communication skills etc. are carried out.

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

- The Institution YRC Coordinator received the best Youth Red Cross Coordinator for the year 2016-17



Award for Best YRC co-ordinator



Awards for Blood Donation Camp



Disaster Response Training Programme



NSS Campaign



Swatch Rail Campaign



Science Exhibition for Rural Students

International Yoga Day

Celebrations

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

We frequently interact with the representatives of the associated industries and technical experts. This promotes signing of many memorandum of understanding (MoU) with industries. Following are the projects and collaborative activities undertaken by various departments.

S. No	Department	Associating Institution / Organization
1	Computer Science and Engineering & Information Technology	<ul style="list-style-type: none"> • INTEL® Intelligent Systems Lab, Intel Technology Private India Limited
2	Electronics and Communication Engineering	<ul style="list-style-type: none"> • Cisco Networking Academy, Cisco Systems USA, • Printed Circuit Board • Mission 10x Technology, Learning Centre, WIPRO
3	Electrical & Electronics Engineering	<ul style="list-style-type: none"> • Industrial Automation Laboratory • Motor Testing Laboratory • Meter Calibration Laboratory
4	Mechanical Engineering	<ul style="list-style-type: none"> • Solar Energy Engineering Lab powered by M/s. Dev Solar, Coimbatore • Rapid Prototyping Lab • Sensor and Interfacing Lab • Robotics Lab

3.7.2 Provide details on the MoU/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

S. No	Name of the Department	Name of the Industry	Nature MoU's	Facilities provided to the Institution
1	CSE & IT	Wire Delta, Denmark	Internship Training and Placements	Refreshment Courses for the Final Year Students Front end- HTML File, CSS3, JQuery Backend- PHP, MySQL, Graphics- Photoshop
2	CSE & IT	Consensus Technologies Ltd, Coimbatore	Internship Training and Placements	Refreshment Courses for Final Year Students- C,C++, Java, Data Structures , Python
3	CSE & IT	Infonet Innovation, Coimbatore	Internship Training and Placements	Refreshment Courses for the Final Year Students Data base Concept, Web Technology- Current Trend, Realtime Development Practice, Complete Software Life Cycle, Project, Certification
4	CSE & IT	INTEL Technology India Pvt Ltd, Bangalore	Knowledge Transfer Programs and Training	Training and INTEL Certification Course
5	Civil	M/s DCADD Technologies, Delhi	Software Training and Placement Assistance	<ul style="list-style-type: none"> • Industry Oriented software Training • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance

6	Civil	M/s Mayileru & co, Coimbatore	Industrial Training and Placement Assistance	<ul style="list-style-type: none"> • Industry Oriented project guidance • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance
7	Civil	M/s Teleios Infratech Pvt. Ltd, Coimbatore	Technical Training and Placement Assistance	<ul style="list-style-type: none"> • Industry Oriented project guidance • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance
8	Civil	M/s Benevolent Academy, Coimbatore	Public Service Commission Coaching assistance and Life Skills Training	<ul style="list-style-type: none"> • Industry Oriented project guidance • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance
9	Civil	M/s Greenland associates Coimbatore	Technical Training and Placement Assistance	<ul style="list-style-type: none"> • Industry Oriented project guidance • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance

10	Civil	M/s CADD Technologies, Coimbatore	Technical Software Training and Placement Assistance	<ul style="list-style-type: none"> • Industry Oriented software Training • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance
11	Civil	M/s Krishnaaassociates Engineers &Valuers, Coimbatore	Technical Training and Placement Assistance	<ul style="list-style-type: none"> • Industry Oriented software Training • Placement Assistance • Training of Students • Industrial Visit <p>Industry Oriented Project Assistance</p>
12	ECE	WIPRO	Technical support/ Training Support for ULTP	Training activities using UTLP and provide Hardware & Software platforms
13	ECE	CISCO	Technical support/ Training Support for CCNA course	CCNA course and provide Hardware & Software platforms
14	Mechanical	M/s Ohm Solutions	Technical Training and Placement Assistance	<ul style="list-style-type: none"> • Be able to offer major contribution in developing suitable teaching environment. • Placement Assistance • Training of Students

15	Mechanical	M/s JegaPrecision Drives (P) Ltd	Technical Training and Placement Assistance	<ul style="list-style-type: none"> • Industry Oriented Project Guidance • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance
16	Mechanical	M/s.Covaai Gears	Technical Training and Placement Assistance	<ul style="list-style-type: none"> • Be able to offer major contribution in developing suitable teaching environment. • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance
17	Mechanical	M/s UnijetPneumaticsPvt Ltd	Technical Training and Placement Assistance	<ul style="list-style-type: none"> • Be able to offer major contribution in developing suitable teaching environment. • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance
18	Mechanical	M/s Trident Pneumatic Pvt Ltd	Industrial Training and Placement Assistance	<ul style="list-style-type: none"> • Be able to offer major contribution in developing suitable teaching environment. • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance

19	Mechanical	M/s Frank Technologies	Technical Training and Placement Assistance	<ul style="list-style-type: none"> • Be able to offer major contribution in developing suitable teaching environment. • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance
20	Mechanical	M/s CADD Leader	Industrial Training and Placement Assistance	<ul style="list-style-type: none"> • Be able to offer major contribution in developing suitable teaching environment. • Placement Assistance • Training of Students
21	Mechanical	M/s Max CADD	Technical Training and Placement Assistance	<ul style="list-style-type: none"> • Be able to offer major contribution in developing suitable teaching environment. • Placement Assistance • Training of Students
22	Mechanical	M/s Canny Controls	Industrial Training and Placement Assistance	<ul style="list-style-type: none"> • Be able to offer major contribution in developing suitable teaching environment. • Placement Assistance • Training of Students • Industrial Visit

23	Mechanical	M/s Asian Automation	Technical Training and Placement Assistance	<ul style="list-style-type: none"> • Be able to offer major contribution in developing suitable teaching environment. • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance in Automation
24	Mechanical	M/s Visal Precision Products Pvt Ltd	Industrial Training and Placement Assistance	<ul style="list-style-type: none"> • Be able to offer major contribution in developing suitable teaching environment. • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance
25	Mechanical	M/s Moldwell Products India Pvt.Ltd	Technical Training and Placement Assistance	<ul style="list-style-type: none"> • Can Provide Significant inputs to them in developing suitable teaching System • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance
26	Mechanical	M/s Adhi Automation (India) Pvt.Ltd.	Industrial Training and Placement Assistance	<ul style="list-style-type: none"> • Can Provide Significant inputs to them in developing suitable teaching System • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance

27	Mechanical	M/s ShyamControl Devices	Technical Training and Placement Assistance	<ul style="list-style-type: none"> • Can Provide Significant inputs to them in developing suitable teaching System • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance
28	Mechanical	M/s Excel CNC Pvt.Ltd	Industrial Training and Placement Assistance	<ul style="list-style-type: none"> • Students- Visit & in-Plant training • Students- Project work • Faculty Training • Guest Lectures • R&D Activates • Industry Oriented Project Assistance
29	Mechanical	M/s Enkey Engineering Works	Industrial Training and Placement Assistance	<ul style="list-style-type: none"> • Students- Visit & in-Plant training • Students- Project work • Faculty Training • Guest Lectures • R&D Activities • Industry Oriented Project Assistance • Assistance

30	Mechanical	M/s. Dev Solar	Technical Training and Placement Assistance	<ul style="list-style-type: none"> • Can Provide Significant inputs to them in developing suitable teaching System • Placement Assistance • Training of Students • Industrial Visit • Industry Oriented Project Assistance
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3.7.3 Give details (if any) on the industry-institution -community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc

- HR conclave has been conducted for all engineering department students and faculties.
- Faculty members are given industrial training on the recent technologies.
- Industrial Visits, In-plant training and industry projects are arranged for the students.
- Value added courses are conducted for the students on recent technologies.

3.7.4 High-lighting the names of eminent scientists/participants, who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Walter Wade is International Sales Manager for over 12 Countries includes many countries in Europe, South Africa and including India. Walter Wade having over 34 Years' Experience and having hands-on Experience on CNC Machining and Edgecam Software implementation. Mr. Wade was earlier in the role of Director-U.K Operations for Edgecam Business Development who involved in managing Edgecam Business across U.K. Walter Wade associated with Edgecam over 25 Years. Had visited our campus and interacted with our Mechanical Engineering students.

The following experts contributed as keynote speakers, chair persons, reviewers, rapporteur, panel discussions and advisory committee members.

Academic Year	Department	Programme	Experts visits and contributions made	No of Participants
2016-17	Common to All Departments	International Conference on Emerging Trends in Engineering, Technology, Science & Management	Dr. Venkatesh Sharma, Professor, JIMMA University, Ethiopia Dr.Shiva Kumar, Professor, NITTR, Chennai	140
	Common to All Departments	World Space Week 2016	Scientists form SatishDhawan Space Centre (SDSC) the Sriharikota High Altitude Range (SHAR) of Indian Space Research Organisation	1500
2014-15	Computer Science and Engineering & Information Technology	National Conference on “Innovative Intelligence in Computer Technology”	Dr. Sethumadhavan M, Professor in Mathematics Department, Head of TIFAC-Corein Cyber Security, Amrita VishwaVidyapeetham, Coimbatore.	115
	Computer Science and Engineering & Information Technology	National Conference on Cyber Security on Digital Forensics	Prof. K.Gangadharan, Head- Student Academics, Amrita VishwaVidyapeetham University, Coimbatore-641 112	100
	Computer Science and Engineering & Information Technology	National Conference on Cyber Security on Digital Forensics	Mr.O.A.Balasubramaniam, Managing Director,Roots Cast Pvt.Ltd,Coimbatore- 641 006.	75

2014-15	Computer Science and Engineering & Information Technology	National Conference on “Innovative Intelligence in Computer Technology”	Dr.M.Sundaresan, Professor and Head, Department of Information Technology School of Computer Science and Engineering, Bharathiar University, Coimbatore.	85
2015-16	Computer Science and Engineering & Information Technology	National Conference on “Innovative Intelligence in Computer Technology”	Mr. B.Thiagarajan, Assistant Registrar, Central University of Tamilnadu, Thiruvarur	115
	Computer Science and Engineering & Information Technology	National Conference on “Innovative Intelligence in Computer Technology”	Ms.K.Vanitha, Sr. HR- Manager, Digital Nirvana, Information System India pvt. Ltd, Coimbatore	75
	Computer Science and Engineering & Information Technology	National Conference on “Innovative Intelligence in computer Technology	Mr.Senthil Kumar, Managing Director & CEO, Unilogic Technologies Pvt. Ltd, Coimbatore.	70

2016-17	Civil Engineering	Engineer's Day Celebrations	Dr K G Bhatia, President – Indian Society of Earthquake Technology (ISET)	154
	Civil Engineering	One Day Workshop on Earthquake Resistant Design of Buildings and Industrial Structures	Dr K G Bhatia, President – Indian Society of Earthquake Technology (ISET)	214
	Civil Engineering	Inauguration of Association of Civil Engineering	Er. Elangovan. R, Supdt. Engineer, PWD-WRD, Pollachi	154
2015-16	Civil Engineering	One day National Conference on “Geo-spatial Techniques and its Applications in Sustainable Development”	Dr. M. Natarajan, Professor & Head, Dept. of Civil Engineering Karpagam University, Coimbatore	128
	Civil Engineering	Workshop on Field oriented techniques for Effective concreting	Er.K.DineshBabu, Project Manager, TeleoisInfratech, Coimbatore	54
	Civil Engineering	National level workshop on “Successful Writing of Journal papers and Research Proposal	Dr.S.Nellamani, Senior Research Scientist, Coastal management Programme, Kuwait	325

2014-15	Civil Engineering	Modern Surveying Techniques using Total Station	Er. J. Suresh , Mamager, Green Land Associates, Coimbatore	68
	Civil Engineering	Quality Conclave – Challenges for Quality in Higher Education and Innovative Methods to meet them	Prof (Col.)Dr.RameshKasetwar, CEO, Quality Plus, Pune & Chairman Designate, Peer Team, NAAC, Bangalore Dr.K.Narashiman, Director, AU-TVS Center for Quality Management, Anna University, Dr.B.Anirudhan, Principal, Nehru Arts and Science College, Dr.K.Porkumaran, Principal, Dr.N.G.P Institute of Technology, Coimbatore.	256
	Civil Engineering	National Level Seminar on “Composite Structures & Dynamics of Machine Foundation	Dr. S. R. SatishKumar,Professor, Structural Engineering, Dept. of Civil Engineering, IIT Madras	54
	Civil Engineering	Regional Seminar on “Zero Energy Architecture & Sustainable materials Buildings to mitigate carbon footprints	Er.P.R.Natarajan, Superintendent Engineer, TNEB Ar.M.Bhuvanasundar,Sundaram Architects, Dr.R.Thenmozhi, Professor, Dept. of Civil Engineering. Government College of Technology, Coimbatore	84

2014-15	Civil Engineering	National Workshop on Health Monitoring, Non-Destructive Testing, Evaluation of Structures	Dr.E.B.Perumal Pillai, Principal, RMK College of Engineering and Technology, Chennai	145
	Civil Engineering	Workshop on Software Applications in Civil Engineering	Mr.R.Balraj, Manager, Arris CADD Technology, Coimbatore.	54
	Civil Engineering	Inauguration of Indian Society for Technical Education (ISTE) Institute chapter	Dr.R.Murugesan, President, ISTE, New Delhi	65
2016-17	Electronics and Communication Engineering	Association Inauguration	Mr. K.Hidhay, Managing Director, Systel Group of Companies – Talk about Motivation towards Core companies	138
2015-16	Electronics and Communication Engineering	4th National Conference on Communication, Electrical, Electronics & System	Dr. A.Rajendran – Technical talk, Mr .K.Natarajan, Director-Hardware Engineer & Chief Technology Officer- Cliber Interconnect Solutions, Coimbatore – Technical talk	140
2014-15	Electronics and Communication Engineering	National level Technical Symposium	Dr. Vimalathithan – Paper presentation and Technical talk	80

2014-15	Management Studies	National Level One Day Conference	Dr. R.Saravanan, Director,ManagementStudies,Holy Grace Academy of Management Studies, Calicut	200
2013-14	Management Studies	National Level One Day Conference	Dr. Karuppusamy. R, Director, Management Studies, Nehru Institute of Technology, Coimbatore	250

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated

- Curriculum development/enrichment - **Yes**
- Internship/ On-the-job training - **Yes**
- Summer placement - **Yes**
- Research – **Yes**
- Consultancy - **Yes**
- Extension - **Yes**
- Publication - **Yes**
- Student Placement - **Yes**

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

- The need for collaborations with the industries and institutions are planned during the Chairman with HoDs meeting at the commencement of every academic year. The deliberations of the meetings are conveyed to the faculties and the Training and Placement Cell through the Principal and necessary initiatives are taken to implement the same. The departments are also involved in establishing linkages and collaborations with industries and research institutes
- Further, faculty of the institution visits the industries relevant to their field of interest and interacts with the experts of the associated company and requests them to address our students.
- The institute will sign MoUs with the identified industries. MoUs provides the platform for knowledge and resource sharing between industry and institute.
- Students make of the opportunities and visit the industries to enrich their technical skills.
- The institution owns various industries; the students are permitted to visit the industries at any time for training, internships and research.

Any other relevant information regarding Research, Consultancy and Extension which the college would like to include

Research

- Better improvement on research aptitude of faculty and students resulting in good number of publications
- Good attempts are being made for fetching research funds from various research organizations

Consultancy

- The Fund Generation through Consultancy Services are considerably improved within the last three years.

Extension Activities

- Good Number of Research Oriented Workshops, Conferences both National and International levels are organized.
- Career guidance programmes are conducted for the benefits of higher secondary students in nearby remote areas



Mr. Walter wade, International Sales Manager of Edgecam visited our Campus



Mr. Walter wade, International Sales Manager of Edgecam, Interactive Session



Foreign Visitors



Foreign Visitors



World Space Week Space Exhibition 2016



SAE India – NICANOR- EFFICYCLE Competition, Lovely Professional University, Punjab



Inauguration of IndustryInstitute Partnership Cell



Award to School Faculty for Producing centum Results in +2 Exams



Skill Development Programme on Electrical Appliances for School Teachers



Product display by students



Solar Energy Engineering Laboratory



Space Week celebrations 2016



World Space Week celebrations 2016



World Space Week celebrations 2016



Solar Power Grid on Campus



MoU Sign between D-CADD Technologies and Adithya Institute of Technology



Inauguration of ISTE Chapter at Adithya Institute of Technology



Smart Village Open Innovation Competition

CRITERIA IV

**INFRASTRUCTURE AND LEARNING
RESOURCES**

CRITERIA - IV

INFRASTRUCTURE AND LEARNING RESOURCES

4.1. Physical Facilities

4.1.1. What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The institution policies for creating and enhancing the infrastructure facilities are framed primarily for facilitating teaching - learning process, following the norms and the guidelines of the AICTE and Anna University. Based on the details of addition in intake, new courses and change in regulation, the enhancement in laboratory equipment, built-up area, and computer facilities are created well in advance for the effective teaching and learning process.

AIT has created well equipped laboratories, ventilated class rooms, auditorium, library, hostel for boys and girls, gymnasium, power backup and computing facility with internet over the years.

AIT has also developed certain infrastructure facilities based on the industrial need. The institution has developed the following infrastructure for the benefit of student community.

- Industry collaborative laboratories
- Additional laboratory equipments beyond the syllabus
- New Product development through innovation center



Class room



Campus main entrance



Campus view



A view of occupants in auditorium



A view of seminar hall



Conference hall

Features at Adithya

- AIT provides positive learning atmosphere with ICT enabled class rooms and well equipped laboratories.
- Facilitate research through University recognized research centers available in two departments.
- Additional space established exclusively for students counseling, group discussion, mock interview, online training and evaluation.
- The institute offers adequate amenities like canteen, transport, gymnasium, playgrounds and stationery store etc.
- Auditorium can accommodate 800 audiences with good acoustics and audio-visual facilities.
- Ambient study hall for hostel students.
- Wi-Fi facility at hostel with 100Mbps range
- 24x7 power supply to the entire campus is made available through High Tension electric supply with 225kVA transformer ably supported by a backup captive generator of 200 kVA



Power house coupled with HT line and generator

The institution takes due care in systematically adding, renovating, updating and maintaining buildings, equipment and other infrastructure facilities with regular supervision by the appropriate authorities appointed by the Management.

4.1.2. Detail the facilities available for

a) Curricular and co-curricular activities classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

Curricular

The institute is endowed with excellent physical infrastructural facilities to support the teaching-learning process. All the Departments have separate self-contained structures. The institute has spacious seminar/conference halls, adequate number of classrooms, well-equipped laboratories, cabins for staff, Faculty and HoDs.

The details of the infrastructural facilities are given below:

S.No	Category	Availability	Area (Sq.m) Each
Academic Purpose			
1	Class rooms	50	66
2	Tutorial rooms	20	33
3	Laboratories	72	66
4	Drawing Hall	1	130
5	Workshop	1	200
6	Seminar hall	3	132
7	Central Library	1	810
Administrative Purpose			
8	Chairman Room	1	60
9	Principal Room	1	35
10	Board Room	1	20
11	Placement office	1	50
12	Exam Control office	1	30
13	Cabin for HODs	8	80
14	Faculty Cabin	7	10
15	Faculty Cabin	3	15
16	Faculty Cabin	13	20
17	Faculty Cabin	3	23
18	Faculty Cabin	3	30
19	Faculty Cabin	6	35
20	Faculty Cabin	1	37
21	Faculty Cabin	2	40
22	Faculty Cabin	1	50
23	Faculty Cabin	2	66

S.No	Category	Availability	Area (Sq.m) Each
24	Department office	8	20
25	Maintenance	1	10
26	House keeping	1	10
Additional Amenities			
27	Boys common room	1	100
28	Girls common room	1	100
29	Boys Hostel	1	1683
30	Girls Hostel	1	1496
31	Cafeteria	1	1230
32	Stationery cum store	1	10
33	First aid cum sick room	1	10
34	Auditorium	1	722
35	Corridors	--	2950
36	Computer centre	6	230
37	computer centre	3	100
38	Security office	1	10
39	Central Store	1	30
40	Other Common Areas	--	1318

Co-curricular

AIT encourages the faculty members and students to take part in co-curricular activities along with their regular academic commitments to keep them exposed to recent developments in the field of interest, through organizing and taking part in guest lecture, conference, symposiums, workshops, etc.,

S.No	Club /Chapter/Cell
1.	SAE collegiate club
2.	IE Chapter
3.	ISTE Chapter
4.	Entrepreneurship Development Cell (EDC)
5.	Energy club
6.	Industry Institute Partnership cell (IIPC)
7.	CNC Programming club
8.	Lab VIEW club
9.	Astronomy club

b) Extra –curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

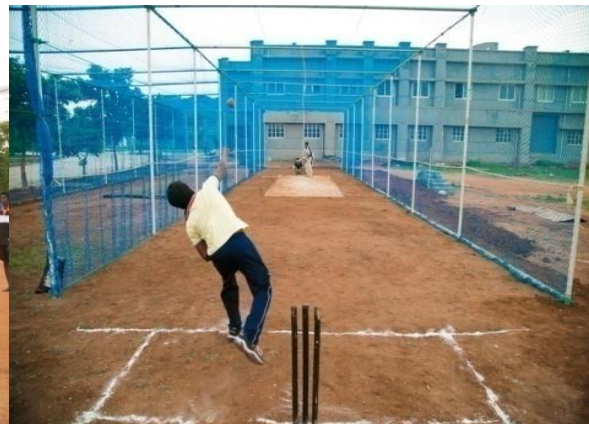
AIT encourages the students to develop their personalities through participation of peripheral activities such as NSS, YRC, sports, etc., other available facilities are

S. No	Category
1	Cricket Ground & Practice Net
2	Basket Ball court
3	Volley Ball court
4	Ball Badminton court
5	Badminton court
6	Foot Ball ground
7	Gymnasium
8	Auditorium
9	NSS
10	YRC
11	ECO club

12	Photography club
13	Melodia club
14	Communication Skill Development
15	Women Empower cell
16	Rotaract club



Volley Ball Court



Cricket Practice Net



Women's throw ball court



Women's Volley ball court

4.1.3. How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution/campus and indicate the existing physical infrastructure and the future planned expansions if any).

The institute is committed to continuously improving the quality of education and maintaining the institution's infrastructure keeping pace with the changing needs and requirements to meet its academic growth. The institution has developed its infrastructure, buildings and other facilities as per the norms lay down by the AICTE, New Delhi and Anna University Chennai. Additional infrastructure was created and developed during the last four years to keep pace with the changing academic needs and due to the introduction of additional courses.

Available Infrastructure & Its Optimal Utilization

- The buildings with the infrastructural, administrative and amenities are constructed in par and above the requirements of the AICTE and University and are made available for utilizing optimally.
- Common facilities like computer center, internet facility, placement cell , seminar halls, health centre, gymnasium, playgrounds and transportation are utilized by the students and faculties of all the departments optimally.
- The library and department laboratories are utilized by the students and faculty members even after closure of working time effectively to carry out works related to academic and the research.



Basketball court



Football ground

Details of the additional facility developed during the last four years:

In addition to the existing infrastructure and facilities, the institute involves in upgrading and renovating the available spaces and procuring of necessary things with latest technological update.

Year	2015-16	2014-15	2013-14	2012-13
Amount Spent in lakhs	40.06	9.96	113.31	64.37

The major amount spent for following facilities

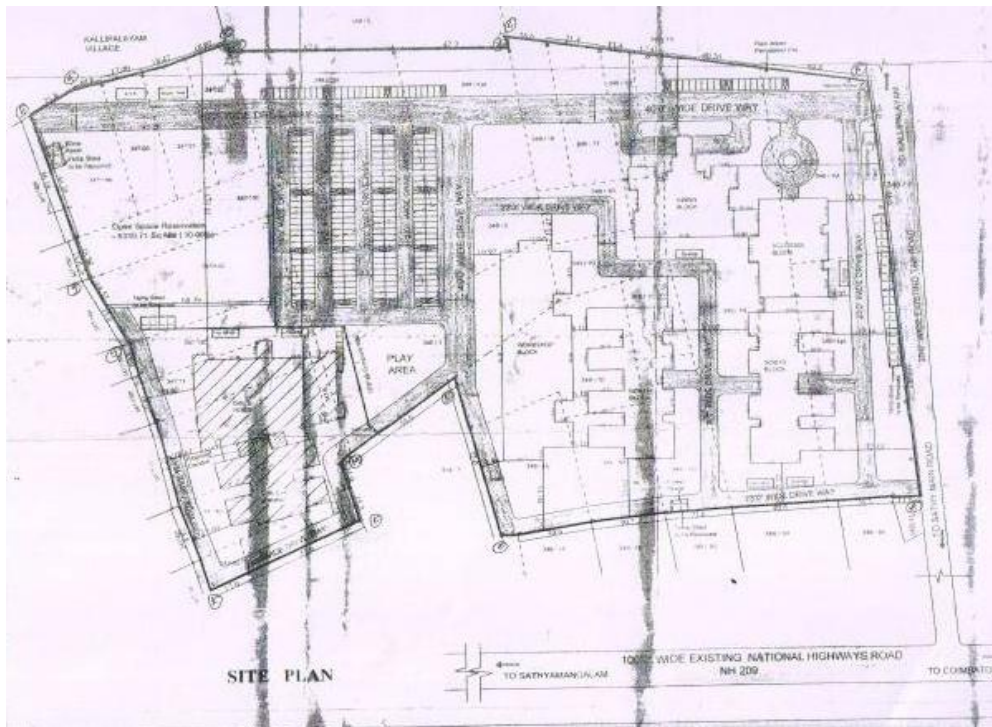
- Construction of open air stage for cultural and other activities.
- Laying of concrete road
- Procurement of new buses
- Renovation of reception lounge
- Covered parking space for two and four wheelers
- Laying of pavements for path ways
- Purchase of new computers, projectors, etc.,
- Establishment of new laboratories
- Purchase of furniture
- Upgrading of Generator



Covered two wheeler parking



Covered four wheeler parking



Master Plan

4.1.4. How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

Necessary provisions have been provided in the infrastructure facilities to meet the requirements of students with physical disabilities. Presently there are no students with physical disabilities are studying.

- Rest room facilities
- Ramp facility for easy movement.
- Relocation of the Class Room to the ground floor
- Reserved ground floor accommodation in the hostels
- No barrier for movement like steps in the library and all the facilities in the library are in the same floor level.
- Special attention and coaching

4.1.5. Give details on the residential facilities and various provisions available within them:

Hostel Facility-Accommodation Available

The institution has separate hostel for both boys and girls. The hostel rooms are spacious & ventilated with 24 hours water supply & power supply. Hygienic food is offered. Newspapers are given.

S.No.	Hostel	No. of Rooms	Area (Sq.m) Each
1	Boys	118	20
2	Girls	90	18
3	Mess	1	675
4	Dining hall (Boys)	1	405
5	Dining hall (Girls)	1	270
6	Gymnasium	1	227
7	Shuttle Court girls hostel	1	85
8	Computing Facility	1	55
9	Vehicle for Medical Emergency	1	-



Girl's hostel



Boy's hostel



Hostel mess -Dining hall



Hostel mess -Kitchen

Recreational facility

The following recreational facilities are available

- Gymnasium
- Melodia (Music club)
- In door games like chess, carom, table tennis.



Gymnasium



Melodia (Music Club)

Computer facilities including access to internet in hostel

- The institution hostel is having Wi-Fi connection. The students can access this facility to enrich their knowledge.
- In girls hostel nine computers are available including with wired internet connectivity.
- All the hostel students are permitted to have laptops.

Facilities for Medical Emergencies

The hostel has adequate arrangements for offering emergency medical assistance for providing first aid. In case of emergency, students are taken to the nearby hospitals which are about 2 km from the institution and also a multi specialty hospital located at 7 km.

Library facility in the Hostel

Students are permitted to retain their allotted books for 15 days at a stretch and use it for their convenience in the hostel. They have the access to the Adithya LMS where they can read and learn the subject content.

Internet and Wi-Fi facility

All the computers are available with internet facility and the lab is kept open for the hostel & day scholar students till 08:30 p.m. on all days, including holidays.

If need be, the laboratories can be used to any stretch of timing by the students at their request.

Residential Facility for the Staff

The institution offers Rooms for wardens and faculty members staying in hostel at free of cost.

Constant Supply of Safe Drinking Water

Constant supply of safe drinking water is made available through the RO plant with an output capacity of 6,000 liters per hour. Enough water doctor facility is also provided in each floor of the hostel for safe drinking water purpose.



Reverse Osmosis Plant

Security

Security personals are available throughout the day at various strategic locations of the campus including hostels on 24×7 basis.

4.1.6. What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

- First Aid kit in all departments at strategic locations
- First aid cum sick room for instant medical support
- Part-time doctor facility.
- On call driver and vehicle to attend to medical emergencies
- Well sanitized toilet facilities
- Periodic eye, Health checkup camps etc.
- Yoga campaign is being conducted.
- We have good rapport with leading hospitals, they offers 5% discount on medical expenditure for our faculty members & students

4.1.7. Give details of the Common Facilities available on the campus – spaces for special units like IQAC, Grievance Redress unit, Women's cell, counseling and Career Guidance, Placement unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Common Facilities	Location
IQAC	M Block
Grievance Redress unit	M Block
Woman's Empowerment cell	M Block
Counseling and carrier guidance cell	M Block
Placement Unit	M Block
Health Centre	W Block
Canteen	Separate building

Recreational space	W Block
Entrepreneur Development Cell	M Block
Safe Drinking water	Water doctor/ Purifier installed in all blocks
Auditorium	1 st Floor of W Block
Common Boys room	M Block
Common Girls room	M Block
Entrepreneur Development Cell	M Block

4.2. Library as a learning Resource

4.2.1. Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes, library has an Advisory committee. The committee comprises of the following members:

1. Principal - Chairperson
2. Dean& HODs of all Departments - Members
3. Librarian – Convener

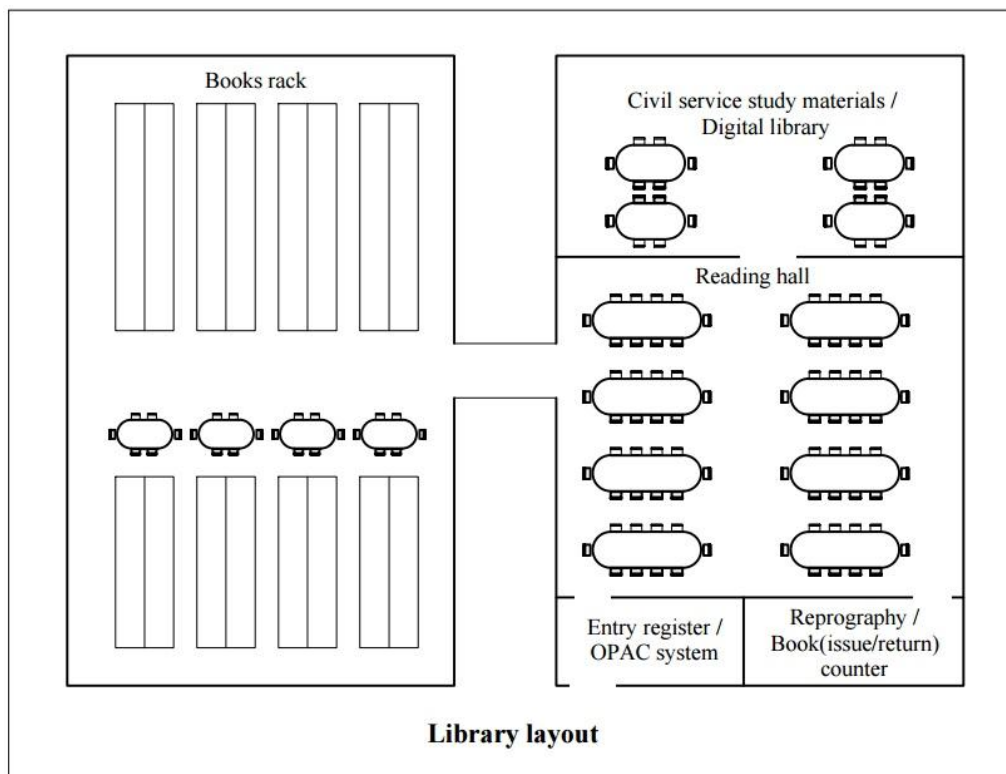
Significant Initiatives of the Committee which have been successfully implemented in the Library

- The library advisory committee meets two times in a year to deliberate on various aspects pertaining to the library, viz., addition of books, extension of working hours, addition of computers, subscription to periodicals and journals, other facilities.
- The responsibility of the committee is to monitor, suggest and develop library infrastructure and other related facilities to extend services in a better manner to the users.
- Procurement of books and journals to meet the academic demand of the users.
- The library is automated by software called Lips i net Software
- National Digital Library membership for e-book access, e-journals, NPTEL videos, etc.,
- Quick access of titles & books through OPAC
- DELNET subscription is available to access the e-journals and books.
- Based on the recommendations of the committee, the following initiatives have been taken up and implemented.
 - Procurement of commercial Library Software
 - Issuing the Library Cards with Barcode to the students and Staff for book Circulation
 - Establishment of Digital Library
 - Enabling Wi-Fi facility in the library building

- Addition of titles and volumes.
- Installation of CCTV for effective monitoring
- Ensuring discipline and compliance to rules and regulations
- Extension of library working hours till 06.30p.m on week days to enable the staff and students to make use of the library resources after the institute working hours.
- Extended working hours of the library during weekends and vacation.
- The users can browse books in the lounge area (inside the library)
- Each student can get maximum 3 books for UG, 5 books for PG students, which has 15 days validity for return, if required students can renewal their books for another 7 days.
- Faculty members have the validity of 6 months to return their books.

4.2.2. Provide details of the following:

Total area of the library (in Sq.Mts) :	810
Total Seating Capacity	260
Working hours:	
On working days	09.00a.m to 06.30p.m
Before Examination	09.00a.m to 06.30p.m
During Examination	09.00a.m to 06.30p.m
During Vacation	As per notification
Layout of the library	Layout is given in the drawing provided below



4.2.3. How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years?

The library has committee members under the guidance of the principal as chairperson meet twice in a year to purchase current titles, e-journals and other reading materials as per the requirements stated by the HODs, Staff and Students. Whenever the syllabus is changed, the library advisory committee takes resolutions to purchase relevant books and journals and the purchase committee implements the same.

The details of the amount spent on procuring books and e-resources during the last 4 years are as follows.

Library	2015-16		2014-15		2013-14		2012-13	
	Qunatity	Cost (INR)	Qunatity	Cost (INR)	Qunatity	Cost (INR)	Qunatity	Cost (INR)
Text Books & e-books	2578	31,161	2926	1,59,435	2885	3,63,497	2832	8,78,608
Reference Books	84	46,695	70	27,000	269	1,34,269	780	2,45,051
Journals and Periodicals	3245	11,500	3624	2,93,353	3823	15,57,158	3727	13,92,261
Others: Racks, Bureaus and Stationeries	Xerox Machine	1,21,850	--	4,887	--	28,858	--	2,49,424

4.2.4. Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- OPAC: **Yes (Lips i Net)**
- Electronic Resource Management package for e-journals: **Yes**
- Federated searching tools to search articles in multiple databases: **Yes**
- Library Website: Link given to the institution website & Adithya LMS
- In-house/remote access to e-publications: **Yes**
- Library automation: **Yes**
- Total number of computers for public access: **03**
- Total numbers of printers for public access: **01**
- Internet band width/speed: **50 Mbps**
- Institutional Repository: **Yes**
- Content management system for e-learning: **10**
- Participation in Resource sharing networks/consortia: **NPTEL, DELNET & NDL**

4.2.5. Provide details of the following items:

- Average number of walk-ins: **150 per day**
- Average number of books issued/returned: **125 per day**
- Ratio of library books to students enrolled: **1:17**
- Average number of books added during last three years: **5633**
- Average number of login to OPAC : **75 per day**
- Average number of login to e-resources: **15 per day**
- Average number of e-resources download/printed: **2 per day**
- Number of information literacy trainings organized: **2 per year**
- Details of “weeding out” of books and other materials: **10 per year**

4.2.6. Give details of the specialized services provided by the library.

- Manuscripts: **Available –Project thesis**
- Reference: **Yes**
- Reprography: **Yes**
- ILL (Inter Library Loan Service): **Yes**
- Information deployment and notification: **Yes** (Information regarding arrival of new books, journals etc is displayed on the notice board for the benefit of faculty and students.)
- Download : **Yes**
- Printing : **Yes**
- Reading list/bibliography compilation: **Yes**
- In-house/ remote access to e-resources: **Yes**
- User Oriented awareness: **Yes**
- Assistance in searching Databases: **Yes**
- INFLIBNET/IUC Facilities: **No**

4.2.7. Enumerate on the support provided by the Library staff to the students and teachers of the college.

The following services are provided by the library staff to the students and teachers.

- Help the students and teachers in locating the books quickly through online and offline. Library assistants also help to locate the books inside the library
- Keep the library with noise-free atmosphere, for a better reading ambience.
- Keep updating the revisions and new arrivals to reader by displays.
- Provide the list of catalogues of various publishers to the teachers for recommendation.
- Assist in taking printouts / photo copies.
- Facilitating Inter Library loan



Library reading hall

4.2.8. What are the special facilities offered by the library to the visually/ physically disabled students?

Presently there are no students with visual / physical disabilities are studying in our institution however, necessary infrastructure facilities are available for physically disabled.

The facilities in the library for physically disabled students:

- Library is situated in the Ground Floor
- The library floor level is same without any steps
- Library staff for assisting to pick up the books and access the OPAC and offer help for other requirements.

4.2.9. Does the library get feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the services?)

Yes. The library gets feedback from its users through personal interaction and observation of the staff to improve the service quality of the library to staff and students, in addition to the feedback form available in the Adithya LMS for the students. During the class committee meetings, tutors collect the feedbacks from the students on the serviceability and availability of books for improving the library services. Based on the feedback analysis, discussions and recommendations by the Library advisory committee, further improvements are carried out in the library in areas such as

- Extended Library Hour
- Special Books collection
- Increase in number of books issued to the students

4.3. IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution. Number of computers with Configuration (provide actual number with exact configuration of each available system)

AIT provides sufficient computing facilities with necessary software. Totally 859 computers are available across various laboratories and departments for the benefit of students and faculty members as well. For virus free environment, Linux OS is used.



Server room

Computers configuration wise details:

S.No	Configuration	Quantity
1	2.2GHZ, 1 GB RAM	120
2	Intel core2-Quad Q8200 Processor 2GB DDR-2 RAM	410
3	Intel Core 2 Duo@2.93GHZ Processor, 2GB DDR -3 RAM,.	20
4	Intel Pentium Dual Core @2.0GHZ Processor 1 GB DDR2 Ra.	17
5	Intel Core 2 Quad Q9500 Processor, 2GB DDR -2 RAM	100
6	Intel Pentium Dual Core @2.0GHZ Processor, 1 GB DDR2 Ram,	23
7	Intel Core I 3 2105 Processor, 2 GB DDR3 RAM	119
8	Intel Core i3 3220(3rd Gen)Processor, 2GB DDR-3 RAM	50

Computer -Student ratio 1:1.4

Printers

The institute provides sufficient number of laser and inkjet printers available in the following makes

- Cannon LBP 2900 B
- HP Laser Jet M 1005 MFP
- HP Laser Jet P 1008
- HP Laser Jet 3050 AP
- HP DeskJet 2460
- Wipro LQ DSI 5235
- HP Laser Jet 1020 Plus
- RISO CZ 180
- Cannon IR 2525
- Fargo HDP 5000

Stand-alone system: 14

LAN facility

All the systems are connected with LAN with speed range of 50 Mbps

Wi- Fi facility

The institute is a Wi - Fi Campus with speed range of 100 Mbps

Licensed software

- Edge CAM – 60 users
- Auto CAD – 1300 users(Institutional License)
- Solid Works – 200 users
- Automation Studio – 10 users
- Ansys – 50 users
- Autodesk Inventor – 1user
- Lab View – free ware
- MATLAB – 10 users
- STADD Pro – 01
- XilinxISE pack for Spartan 6 – 20 users

- TASM/MASM simulator – 30 users

Number of nodes/computers with Internet\facility: **859 Machines.**

Server: six Rack type servers with storage capacity of 325Tb

4.3.2. Details on the computer and internet facility made available to the faculty and student on the campus and off campus?

- Internet service is available in the institution for faculty and students with a bandwidth of 50 Mbps.
- All the computers are available with the internet facility.
- Wi-Fi facility is available in the campus with 10/100 Mbps bandwidth benefiting both the faculty and the students
- Wi-Fi facility available for hostel

4.3.3. What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- The institution plans to purchase high end servers to increase the efficiency of the nodes.
- Intends to upgrade internet facility from 50 Mbps to 100 Mbps.
- Intends to upgrade to Higher end specification computers (4GB RAM & i7 Processor)
- Establishing centre of excellence in IT related fields.
- Procurement of high end analysis software like Abaqus FEA, ADAMS for research purpose
- Enhance the ICT facilities like effective video conferencing, IoT, etc.,

4.3.4. Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution.

The IT infrastructures are periodically upgraded, maintained and deployed. Every semester the budget proposal is submitted by the each department to the Principal for purchase and upgradation of the equipments,

systems, softwares, etc., the management will sanction the budget on discussion in HoD meetings.

The actual expenditure for the past four years is given below

Year	Procurement (INR)	Up gradation (INR)	Deployment/ maintenance (INR)	Total (INR)
2015-16	5,50,000	65,000	35,000	6,50,000
2014-15	1,24,265	52,000	28,000	2,04,265
2013-14	81,034	45,500	74,500	2,01,034
2012-13	12,05,000	33,000	17,000	12,55,000

4.3.5. How does the institution facilitate extensive use of ICT resources including development and use of computer - aided teaching/ learning materials by its staff and students?

Following provisions are available for the extensive use of ICT resources.

- Faculty members upload lesson plan and session plan in the Adithya LMS which includes e-resources such as lecture notes, assignments, quizzes, and university question bank with answers. It also contains information with unit wise questions
- Apart from conventional chalk and talk teaching method, Institution provides other teaching aids like OHP and LCD projector which are available in each department.
- Exclusive class room fitted with LCD projector and internet connectivity are available in each department to facilitate teaching and learning using ICT tools.
- All skill development classes are conducted using LCD projector
- All the computers available in the campus are connected through optical fiber cable for effective data transfer and internet speed.
- Internet facility provided for the faculty system, through which faculty can download NPTEL and IIT Lecture videos for enhancing effective teaching learning process.
- All the assignment and projects related to skill development are uploaded to LMS

- Lesson wise, session wise study materials, over view of the subjects are uploaded to LMS, students can download the necessary content from LMS from anywhere.
- All the information are intimated to faculty members and students through mail and Adithya LMS.
- In ISRO WSW program, Lt. Governor Kiren Bedi interacted with the school children through video conferencing.
- The institute maintaining the following dedicated server through our computer science department for
 - Website
 - Adithya LMS
 - DODO
 - E-mail
 - CCTV surveillance camera
 - LDAP
- Quizzes have been created for all the subjects and uploaded in the AIT LMS website.
- Online system available in Adithya LMS for collecting feedback from students.



ICT enabled laboratory



Computing laboratory

4.3.6. Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on - line teaching –learning resources, independent learning, ICT enabled classrooms/ learning spaces etc) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

The institute enables the online teaching – learning facility in an effective platform through the Adithya LMS. The content of each courses are solely uploaded by the faculty members are made available for the students in the institution website to access at any time.

LMS contains

- Lesson plan
- Session plan
- Syllabus
- Lecture Notes
- Quizzes
- Question bank with keys
- Objective/Small questions with answers
- Link to Video materials

The ICT enabled class rooms facilitate the faculty and students to have healthy interactive and informative sessions.

The e-Journals, e-books and e-Library facilities are available for both students and faculty members to enhance knowledge in their domain.

The online resources available in NPTEL, SWAYAM, MOOC, MIT, are been made accessible for both the students and faculty members to enhance their knowledge in the respective course.



ICT enabled class room

4.3.7. Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

Yes. National Knowledge Network connectivity is available in the library through the affiliating University. The NPTEL, NDL, DELNET, e-resources, webcasts, and webinars are accessed and also the online demonstrations/discussions through global technical forums are availed.

In Smart India Hackathon-2017 organized by Government of India, Six students of second year B.E. Electronics and Communication Engineering department have been selected for the final round to be conducted on 1st and 2nd April under the aegis of the department of Empowerment of persons with disabilities, Government of India.

4.4. Maintenance of Campus Facilities

4.4.1. How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)

A sufficient financial resource is allocated for the maintenance and upkeep of the campus and the facilities. This fund is effectively used for the maintenance;

repair and upkeep of all the facilities. Other emergency and ad-hoc maintenance are promptly carried out then and there with the approval of the chairman.

The institute provides comfort and safe travel for the rural students to reach the institution in optimal travel time through well maintained buses. All the buses are subjected to Fitness Certification process every year from the government Transport department.

The statement of budget allocated for the last 4 years for maintenance and upkeep of the campus facilities are as follows

S. No	Particulars	Amount in lakhs			
		2015-16	2014-15	2013-14	2012-13
a	Buildings	15.23	14.34	13.68	10.47
b	Furniture, College & office	2.22	1.95	1.57	1.30
c	Equipments	15.79	12.28	10.14	9.65
d	Computers	3.69	3.55	2.85	2.44
e	Vehicles	49.81	44.67	43.46	34.29
f	Internet	10.72	6.70	6.14	4.34



A view of transport facility

4.4.2. What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the College?

An exclusive housekeeping department with electrician, carpenter, plumber, gardeners takes care of the entire campus maintenance. A maintenance register is available in all departments, in which all the infrastructure related, equipment related complaints and recommendations are registered. This ensures the proper functioning and improvement of the equipment and other facilities. During Tutor Ward Meeting student's feedbacks are taken on infrastructure facilities and suitable actions are made.

Whenever a department needs a requirement or maintenance, the concerned staff member forwards a letter of request to the Principal through the Heads of the department with proper justification for the same. The request is further forwarded to the Chairman approval with recommendations from the Principal, concerned maintenance care would be carried out.

- Periodical maintenance, repair and upkeep of UPS, AC, reprography machine, printers, generator, water purifier and digital duplicator were done by the service providers through the AMC established with them.
- Every department maintains a stock register for the available equipment.
- Proper inspection is done and verification of stock takes place at the end of every semester.
- The repair and servicing of the laboratory equipments were carried out by the service providers whenever required.
- Periodic maintenance of HT line and all electrical lines

- Regular maintenance and servicing of all vehicles and are properly insured.
- Intact servicing and repairs of RO plant through AMC with the supplier.
- Well trained technicians are involved in the maintenance of infrastructure facilities and equipment of the institution.
- Once in five years painting and needed repairs are carried out then and there.



Arial View of AIT green campus

4.4.3. How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

The institute intends to have upkeep in the quality of the working conditions of the lab equipments, to deliver technical exposure to the students. On the purchase of new laboratory instruments the faculty members are properly trained by the technicians from the suppliers. All the measuring instruments are periodically calibrated and regularly used in the laboratory. Routine maintenance and calibration are carried out on a regular basis (as prescribed by the manufacturers) by the staff members, for critical maintenance work experts from the suppliers are called.

4.4.4. What are the major steps taken for location, upkeep and maintenance of sensitive equipment (Voltage fluctuations, constant supply of water etc.)?

- Sensitive equipments are erected with proper implementation of the safety measures.
- The power is distributed with proper grounding to all the labs, class rooms, office, etc., from Main Control Panel via sub control panels hierarchically.
- Computer laboratories are provided with UPS connectivity to protect the hardware and the software from power related failures.
- Lightning arrester is installed
- In all blocks MCB are installed for electric layouts.

Overview

4.1. Physical Facilities

- ICT enabled class rooms in all departments
- Industry collaborated laboratories
- RO plant with 6000 liters per hour capacity
- Separate hostel for boys and girls
- Open air stage facility

4.2. Library as a learning Resource

- Digital search tool-OPAC,
- Access to e-sources through DELNET, NDL
- Extended working hours up to 06:30p.m.
- Good volume of books including civil service exams
- Reprography and printing facility

4.3. IT Infrastructure

- Linux OS, DODO, Email servers
- Dedicated server for maintaining website & Adithya LMS
- Wi-Fi enabled campus
- CCTV surveillance enabled campus
- Licensed software

4.4 . Maintenance of Campus Facilities

- Housekeeping team with electrician, carpenter, plumber, welder, fitter, etc.,
- Periodical maintenance and upkeep of UPS, AC, water doctors, lab equipment's, etc.,
- 80 CCTV surveillance cameras
- 24x7 security service
- 40 feet manual operated lift

CRITERIA V

STUDENT SUPPORT AND PROGRESSION

Criteria V Student Support and Progression

5.1. Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If “yes”, what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Yes. The institution publishes its updated prospectus in the form of eProspectus every academic year regularly through website. The information provided to the students consists of vision, mission, strategic goals and scholarship details, brief about college and infrastructure facilities.

Academic calendar is published in Adithya LMS every semester which details about the tentative starting and closure dates, details of internal assessment tests, details about national and college holidays etc.

The admission brochure is also updated and available as soft copy in the website and hard copy for circulation. This brochure gives details about major facilities, courses run, placement details, value added courses offered etc.

Hostel handouts are prepared and circulated to students which detail about discipline and other policies.

All other code of conduct details are provided during the orientation program and same is available in the Adithya LMS.

The complete academic schedule including examinations for every semester is published through Adithya LMS and it enables the students and staff members to plan their academic related activities effectively by utilizing the facilities. The department details and facilities are also updated in the department page of the college website. The information regarding every department activities are published in the eNewsletter.

5.1.2 Specify the type, number and amount of institutional scholarships / free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?

Yes. AIT is providing merit scholarships as well as free ships to the students.

- AIT merit scholarship scheme has been constituted to appreciate and recognize the meritorious students. Appreciation certificates and medals are awarded to the students in recognition of their achievements as university rank holders, winners in extra-curricular and co-curricular events and class toppers.
- Above all, the girl students are given with an exemption of Rs.5000/- in

their prescribed tuition fee.

- Free ships are also extended to students with achievements in sports and students who lost their father.

The list of students availing 100% and 50% scholarship from the Institution are given below for the last four years:

Academic Year	Class	Cut off (183-190)		Free ships		Total Amount of Scholarship
		Number of Students	Scholarship Amount	Number of Students	Scholarship Amount	
2013-14	I	1	40,000	-	-	40,000
	II	2	80,000	-	-	80,000
2014-15	I	10	4,00,000	-	-	4,00,000
	II	8	3,20,000	-	-	3,20,000
2015-16	I	12	4,80,000	-	-	4,80,000
	II	10	4,00,000	-	-	4,00,000
2016-17	I	1	40,000	-	-	40,000
	II	8	3,20,000	2	80,000	4,00,000
	IV	-	-	2	80,000	80,000

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

AIT creates awareness among the students about the state government, central government and other national agencies who offer scholarships. The percentage of the students who received such scholarships department wise is given below:

Scholarship for BC / MBC and DNC

Sl. No.	Number of students who received scholarship (State Govt. / Central Govt. / National Agencies)	Total number of students in the academic year	% of students who received the scholarship	Amount (in INR)
2013-14	658	1014	64.89	17,37,955
2014-15	729	1120	65.08	33,65,470
2015-16	745	1041	71.56	37,37,665
2016-17	567	1190	47.64	30,34,590

Scholarship for SC/ST

Sl. No.	Number of students who received scholarship (State Govt. / Central Govt. / National Agencies)	Total number of students in the academic year	% of students who received the scholarship	Amount (in INR)
2013-14	67	1014	6.60	31,85,350
2014-15	96	1120	8.57	48,35,000
2015-16	172	1041	16.52	1,14,76,550
2016-17	161	1190	13.52	14,84,050

5.1.4 What are specific support services / facilities available for?

5.1.4 a. Services / facilities available for students from SC/ST, OBC and economically weaker sections

The scholarships offered by the Government and Private organizations are informed to the students during the admission period and also at the commencement of the academic year through Adithya LMS. The information about the scholarships are displayed on the notice boards and circulated to the classes during the college hours. The respective tutors and class advisors also guide the students for availing scholarships during Tutor Ward Meeting.

Following are the list of scholarships presently availed by the students of AIT

- BC / MBC scholarship
- BC / MBC Minority scholarship
- SC / ST scholarship
- First Generation Graduates scholarship

5.1.4 b. Services / facilities available for students with physical disabilities

Following Facilities have been provided for physically disabled students.

- Ground Floor class rooms
- Ramps will be made available
- Reserved ground floor accommodation in the hostels
- Physically challenged students were not joined so far through TNEA and management quota, the necessary facility will be created for them before the commencement of classes.

5.1. 4 c. Services / facilities available for overseas students

So far, there are no students from overseas who have been admitted in the Institution. If so, such students will be taken care of for all of their requirements ensuring comfortable stay, good food and good academic and social ambience.

5.1.4 d. Services / facilities available for students to participate in various competitions / National and International

Students are encouraged to take part in technical, cultural and sports to keep their mind and body technically and physically fit. Students are encouraged

to take part in technical events such as Workshops, Seminars, Symposiums, and Coding Contests etc., organized by other institutions and to publish articles in National / International Conferences and Journals by providing necessary support, guidance and facilities. As a support for this cause TA and DA are provided for the deserving students.

5.1.4 e. Services / facilities available for medical assistance to students: health centre, health insurance etc.

Purified water facility is installed at all the strategic points inside the college campus to protect students and all the members of the Institution from water borne diseases. In case of emergency, students will be taken care of by taking them to the nearby hospitals for treatment. College is in the proximity of three hospitals within 3 km radius.

5.1.4 f. Services / facilities available for organizing coaching classes for competitive exams

GATE Forum resource material is available in the College Library. The Placement Cell provides competent training to the students on aptitude; verbal communication and group discussion which enable the students appear for various competitive examinations during their course of study and also after attaining the degree.

The institution was running an IAS ACADEMY to cater service to probable students who aspire to take up UPSC and other state level competitive examination. Five students who took training in this academy got appointed as Probationary Officers in various banks. All the resource materials under this academy are available for use to all the students

5.1.4 g. Services / facilities available for skill development (spoken English, Computer literacy etc.)

Communication Skill

- Separate sessions for communication is integrated in the placement training schedule through which the students discuss in English about the daily news, current affairs etc. This is done to enhance the oral communication skill, English language proficiency and public speaking ability of the students.
- As a part of curriculum, communication skill lab is also in practise where the students are trained using a computer software package to strengthen their knowledge in listening, reading, writing and speaking.
- The Computer Lab and Central Library with necessary software tools are kept open after college hours for the students to practice and gain

proficiency in computer languages and also become aware of other services like surfing, email, social network etc.

- The Institution has established Training and Placement cell to train the students on various soft skills to scale up their employability.

Skill Development Training

- A holistic view of the engineering eco-system shows the importance of skill education to be imparted and the Adithya Institute of Technology supports this cause by providing demand driven skill development program designed to make a student job ready upon completion of academics.
- The objective of this program is to create engineers with special skills that are required by the companies as of today, improve the academic results and increase the placement records.
- To meet the objective, the students will get an industrial exposure as they are trained by practicing professionals as well as by our experienced faculties possessing sound domain knowledge.
- The success of this program is measured by evaluating the students with the assistance of periodic evaluation tests under the supervision of coordinators or external trainers.
- To add on, the skill development program is fully handled on the mode of hands-on training.
- The interesting part of this program is at the end of the training each student should submit an individual application oriented project.

5.1.4 h. Services / facilities support for “slow learners”

- After every Internal Assessment test the slow learners are identified and counselled individually to understand their area of weakness and provides necessary guidance and solution.
- Special coaching classes are also arranged in the evening to guide those students.
- As an additional support for slow learners, before the university examination, an exclusive preparatory class time table is scheduled to train the slow learners to refresh important topics based on the availability of days in between the exams.
- Enough support is extended to slow learners for successful completion of course. Principal and HoDs address the students individually on how to

get ready for the examinations and how to answer the questions within three hours.

- Both boys and girls from the hostel are taken special care during the study hours monitored by the wardens.

5.1.4 i. Services / facilities available for exposures of students to other institution of higher learning / corporate / business house etc.

- Industry Associated Laboratories are established and each lab is powered by a Company with which MoU has been signed.
- Industry Projects, Internships, Guest Lectures, Industrial Visits, Workshops are regularly organized for the students to become practically stronger in their subjects.
- Three incubation centres have already begun their commercial operation within AIT Campus and offering employment opportunities to our students is very unique of this kind in the vicinity.
- Leaving apart, each department has industrial coordinators exclusively responsible for identifying companies and helping students get in-plant training opportunities.
- The Placement Cell brings external agencies to give orientation on the courses which are very much in demand.
- The students have been given the experience of visiting corporate like Infosys Mysore campus and government establishments like Kundah Hydro Electric Power Project, Ooty Radio Astronomy Centre, Mettur Thermal Power Plant, Pollachi CTC Depot etc., to gain knowledge on working principles of those firms.
- Also they are exposed to learning from leading institutes like Regional Science Centre and Science Museum, CODISSIA, Coimbatore.

5.1.4 j. Services / facilities available for publication of student magazines

- The Institution releases an eNewsletter “VIVEGA” annually and it provides the complete activity report and it is released during Annual Day celebrations by the Head of the Institution.
- This provides the complete achievements and contributions of the students in the area of curricular, co-curricular and extra-curricular activities. The eNewsletter exhibits the talent of our students to the outside world.
- Newsletter gets published at the department level too and circulated digitally among the students to furnish the complete activity of the

departments. This creates a good awareness about the technology and mutual knowledge sharing. Students Association is involved in making and releasing the eNewsletter.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills among the students and the impact of the efforts.

AIT has set up an Entrepreneurship Development Cell (EDC). The entrepreneurship awareness programs organized by EDC provide a platform for creating the confidence among the students to become entrepreneurs. Students who come forward voluntarily with the proposal to start an industry are guided by the Cell in choosing the product, preparing the project report, approaching the appropriate funding agencies, deciding the operative location, marketing strategies etc.

EDC has been activated with the following primary objectives:

- Create awareness on Entrepreneurship among the students through training programmes and camps
- To identify and motivate budding entrepreneurs
- To help entrepreneurs for acquiring necessary managerial skills to run the industry effectively
- To guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support system, information on technologies, etc.
-

S.No.	Academic Year	Progress of EDC through years
1	2011-12	Entrepreneur Development Cell (EDC) has been established by our Chairman Er.C.Sugumaran which was run under the aegis of Mr.K.Venkatapathy, Professor/Mechanical
2	2012-13	Mr. K.Venkatapathy handed over his in charge to Mr. Rayappan, Assistant Professor/ EEE as a Head of EDC
3	2013-14	The EDC has taken over by Dr. M.Natarajan Professor/Mechanical as a Head along with Co-ordinators, <ul style="list-style-type: none"> • Mr. M.Subramaniam, Associate Professor, Mechanical • Mr. R.S.Mohankumar, Assistant Professor, Mechanical

4	2014-15	The EDC has been run by Dr.M.Natarajan Professor/Mechanical as a Head along with Mr. B.Charles, Associate Professor/Mechanical as a Co-ordinator.
5	2015-16	The EDC has been run by Dr.M.Natarajan Professor/Mechanical as a Head along with Co-ordinators, <ul style="list-style-type: none"> • Mr. B.Charles, Assistant Professor/Mechanical • Mr. K.T.Shabarinathan, Assistant Professor/Mechanical
6	2016-17	The EDC has been running by Dr.M.Natarajan Professor/Mechanical as a Head along with Co-ordinators, <ul style="list-style-type: none"> • Mr. B.Charles, Assistant Professor/Mechanical. • Mr. K.T.Shabarinathan, Assistant Professor/Mechanical.

EDC has started functioning with the joint effort of AIT and Wadhvani Foundation – National Entrepreneurship Network duly recognized by Entrepreneurship Development Institute. Through EDC, students are given the chance of appearing for certification programs like WFEN 100–Orientation Program in Entrepreneurship, with the total duration of 30 hours, which involves 20 hours of teaching and 10 hours of assignment work.

Also the management is generous enough to sponsor the faculties and students for the training program by Wadhvani Foundation – National Entrepreneurship Network. The following faculty members are trained by National Entrepreneurship Network & Entrepreneurship Development Institute (EDI), Ahmedabad to increase the entrepreneurial activity.

S. No.	Name of the Faculty	Department	Event Name	Date
1	Mr.B.Charles	Mechanical	FDP on Entrepreneurship Educator Program	14.07.06 – 16.07.16
2	Mr.K.T.Shabarinathan	Mechanical	FDP on Entrepreneurship Educator Program	14.07.06 – 16.07.16
3	Mr.B.Charles	Mechanical	FDP on Innovative and Entrepreneur Development Program	10.11.16 – 12.11.16
4	Mr.K.T.Shabarinathan	Mechanical	FDP on Innovative and Entrepreneur Development Program	10.11.16 – 12.11.16

5	Mr.B.Charles	Mechanical	FDP on Entrepreneurship by NSTEDB at PSG STEP	21.11.16 – 02.12.16
6	Mr.K.T.Shabarinathan	Mechanical	FDP on Entrepreneurship by NSTEDB at PSG STEP	21.11.16 – 02.12.16
7	Mr.B.Charles	Mechanical	FDP on Entrepreneurship by NSTEDB & DST at Amrita centre for Entrepreneurship	19.12.16 – 31.12.16
8	Mr.K.T.Shabarinathan	Mechanical	FDP on Entrepreneurship by NSTEDB & DST at Amrita centre for Entrepreneurship	19.12.16 – 31.12.16

Through Entrepreneur Development Cell along with WF-NEN, lot of activities has been carried out for the students to create awareness and importance of entrepreneurship in the near future. Some of the activities are given below:

S. No.	Activities	Resource Person	Date
1	Inauguration of Entrepreneur Development Cell (EDC)	Er.C.Sugumaran, Chairman, Adithya Institute of Technology,	18.06.12
2	Guest lecture about Entrepreneurship	Mr.K.Venkatapathy, Professor/Mechanical, Adithya Institute of Technology,	09.11.12
3	Interaction with Entrepreneur	Mr.K.Jagadesh, Managing Director, Abi Automation, Coimbatore.	22.03.13
4	Success stories of Entrepreneur	Mr.C.J.Karthikeyan, Managing Director, Universal Hydraulics India Pvt Ltd	10.10.13

5	Industry visit and experience sharing by successful entrepreneur.ABI Automation	Mr.K.Jagadesh, Managing Director, Abi Automation, Coimbatore.	24.02.14
6	Communication skills for better results in business	Ms.Sareena Angelin Assistant Professor/English Department, Adithya Institute of Technology. Coimbatore.	14.11.14
7	Market Survey for new product development and selling	Dr.M.Natarajan, Professor/Mechanical, Adithya Institute of Technology, Coimbatore.	27.03.15
8	Business opportunity identification and guidance	Dr.C.Karthikeyan Professor&Director/MBA, Adithya Institute of Technology, Coimbatore.	06.08.15
9	Inauguration of Wadhvani Foundation .National Entrepreneurship Network	Vishnu Priya Regional Manager Tamil Nadu & Hyderabad/Telangana Wadhvani Foundation	05.08.16
10	Guest Lecture on Start-up 101	Mr.Saravanesh Vadivel, Director of Data Tech Cloud Solutions, Textile Start up Mentor, Coimbatore	08.02.17
11	Session on Introduction to Entrepreneurship	Mr.B.Charles & Mr.K.T.Shabarinathan, Assistant Professor/Mechanical, Adithya Institute of Technology.	16.02.16
12	Session on Explore E-Cells on Campus	Mr.B.Charles & Mr.K.T.Shabarinathan, Assistant Professor/Mechanical, Adithya Institute of Technology.	23.02.16

13	Guest Lecture on “LET US TALK” for IV year students	Mr.Giri, Managing Director, GSV Corporation, Coimbatore.	01.03.17
14	Session on Success Stories	Mr.B.Charles & Mr.K.T.Shabarinathan, Assistant Professor/Mechanical, Adithya Institute of Technology.	02.03.16
15	Session on Characteristics of a Successful Entrepreneur	Mr.B.Charles & Mr.K.T.Shabarinathan, Assistant Professor/Mechanical, Adithya Institute of Technology.	09.03.16
16	Session on Communicate Effectively	Mr.B.Charles & Mr.K.T.Shabarinathan, Assistant Professor/Mechanical, Adithya Institute of Technology.	16.03.16
17	Guest Lecture on “LET US TALK” for I year students	Mr.Giri, Managing Director, GSV Corporation, Coimbatore.	16.03.16

Through Entrepreneur Development Cell the students get motivated and attended many events and workshops in various colleges and got prizes from the events. Some of the details are given below.

S.No.	Name of the student	Department	Event Name	Date
1	Mr.R.DharmeshKumar	Mechanical	The E-Leader workshop conducted by National Entrepreneur Network at KCT Business School	29 & 30.09.16

2	Mr.N.Saranraj	Mechanical	The E-Leader workshop conducted by National Entrepreneur Network at KCT Business School	29 & 30.09.16
3	Mr.R.Umesh Kumar Krishnan	Mechanical	The E-Leader workshop conducted by National Entrepreneur Network at KCT Business School	04 & 05.01.17
4	Mr.R.DharmeshKumar	Mechanical	The E-Leader workshop conducted by National Entrepreneur Network at KCT Business School	04 & 05.01.17
5	Mr S.Mohan	Mechanical	Innovation management and Intellectual property conducted by FORGE Factory at KCT Tech Park.	22.02.17
6	Mr.K.Mohanprasanth	Mechanical	Innovation management and Intellectual property conducted by FORGE Factory at KCT Tech Park.	22.02.17
7	Mr.R.Hari Vikram	Mechanical	What's Next? – “Idea Camps’ conducted by FORGE Factory at KCT Tech Park.	22.02.17
8	Mr.Jay B Tanna	Mechanical	What's Next? – “Idea Camps’ conducted by FORGE Factory at KCT Tech Park.	22.02.17

9	Mr.D.C.Manjunath	Mechanical	What's Next? – “Idea Camps’ conducted by FORGE Factory at KCT Tech Park.	22.02.17
10	Mr.R.DharmeshKumar	Mechanical	What's Next? – “Idea Camps’ conducted by FORGE Factory at KCT Tech Park.	22.02.17
11	Mr.R.Kaviarasan	Mechanical	Jumpstart- The Start- up Conclave Conducted by TIE Coimbatore & PSG.	11.03.17
12	Mr.D.C.Manjunath	Mechanical	Jumpstart- The Start- up Conclave Conducted by TIE Coimbatore & PSG.	11.03.17
13	Ms.L.Reeta Monika	CSE	Jumpstart- The Start- up Conclave Conducted by TIE Coimbatore & PSG.	11.03.17
14	Mr.R.DharmeshKumar	Mechanical	Jumpstart- The Start- up Conclave Conducted by TIE Coimbatore & PSG.	11.03.17

Achievements of the EDC Students

S.No	Name of the student	Department	Event Name	Place Secured	Date
1	Mr.R.Dharmeshkumar	Mechanical	“Project Expo” in Technical Entrepreneur ship Program conducted by TIPS Global Institute, Cbe	I	16.02.17

2	Mr.R.Dharmeshkumar & Mr.D.C.Manjunath	Mechanical	“Finscape” in Technical Entrepreneur ship Program conducted by TIPS Global Institute, Cbe	III	16.02.17
3	Ms.L.Reeta Monika	CSE	“Best Manager” in Technical Entrepreneur ship Program conducted by TIPS Global Institute, Cbe	III	16.02.17

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, quiz competitions, debates and discussions, cultural activities etc.

- **Additional academic support, flexibility in examinations**
- **Special dietary requirements, sport uniform and materials**
- **Any other**

The Institution encourages the students to participate in co-curricular activities and extra-curricular activities, provided should be informed on time to facilitate the On Duty Leave policy smoothly along with TA and DA for students. The successful participants are appreciated by the management through Adithya LMS and displaying the trophies, medals and certificates for students view.

Sports and Games

The Department of Sports is headed by a Physical Director. Sports Day is conducted annually to groom the students physically fit. Medals and certificates of appreciation will be awarded for the winners. The Institution takes utmost care of students indulged in sports when they face any injuries during playtime.

Special coaching for mega events, sponsorship of sports uniforms, sanctioning on-duty leave to attend competitive events, energy diet to preserve their physical fitness, necessary sports gear, logistics and travel assistance for

practice sessions and competitions, exclusive and additional support for satisfying their academic needs, counselling on sports as a career path etc.

Quiz competitions, debates and discussions

Students take active participation in debates and discussions scheduled in Training and Placement activities where students are empowered to become a good orator and debater. Students exposed to competitive culture through LMT in academic and quiz activities in Training and Placement.

Cultural Activities

Every year the students get the chance of exhibiting their talents in Singing, Dance (western and classical), Quiz, Floral Arrangement, Face masking (Boys), Aqua Colouring, Cartooning and Instrumental Music during the Annual Day celebrations.

Clubs

The Institution has well organized Clubs in order to provide a platform for the students to serve their skills and talents for the betterment of society. Frequent programs / events, both indoor and outdoor are conducted to nurture and expose their talents under the aegis of the following clubs:

ECO Club - The Eco Club is a group of environmentally concerned students working hard to live in balance with the natural world that sustains us. The objective of eco club is as follows:

- To promote peaceful education and consistent advocacy of reducing our community's negative impact on the earth
- To bring student into direct contact with the environmental problems facing the society they live in and make them think of solutions
- To organize, encourage and motivate everyone in the public to save the mother Earth planet by encouraging tree plantation

Some of the significant activities that took place under the banner of eco club are:

- COVAI GREEN LEAGUE – Greenest Campus Awards for Schools held at Brookefields, Coimbatore on 25.01.2017
- Field work (Removal of “seemai karuvelam” Tree)
- Guest speech by Mr. Saravanakumar (Canopy Nature Academy)

Melodia Club – The primary goal of Melodia Club is to cultivate and enhance the interest in music - instrumental as well as vocal highlighting that they are not only the medium of entertainment but also a medium for proper

channelization of emotions as this plays a vital role in determining the quality of life.

- Balanced growth of physique, mind and spirit/soul/emotions helps in developing fundamental moral values.
- Learning an art form also makes one more receptive, sensitive and helps in the development of one's aesthetic nature. This outlook helps a person to work not only for oneself but also for society at large and thus the masses are benefited.
- Members participate in all the cultural activities of the college and also in the inter-college and intra-university functions. All interested and talented students are encouraged to join as members and provided with opportunities to perform on a regular basis.

Photography Club – The objectives of photography club are to promote the art and craft of photography, to provide a meeting place for those interested in photography and to facilitate provision of technical advice and assistance to members. It will be interesting to achieve a more fruitful alliance between the beginner and the experienced photographer. Also lectures and training will be provided on photography for beginners.

No event is complete without a series of wonderful pictures capturing every moment of joy and happiness and we have the photography club to thank for this. Armed with their cameras and artist's eye, they are the ones who might be responsible for snapshots taken during any kind of events within the campus.

Some of the notable events include:

- Kasthuri Sreenivasan Trust Art Gallery and Textile Museum - Art Gallery Visit
- Photography Contest

Rotaract Club - The purpose of Rotaract is to provide an opportunity for young men and women to enhance the knowledge and skills that will assist them in personal development, to address the physical and social needs of their communities and to promote better relations between all people worldwide through a framework of friendship and service.

Some of the remarkable activities that took place in the rotaract club banner are

- Activity plan by Mr.Padmanaban Gopalan(No Food Waste Organization) on 11.02.2017
- Activity plan by WEEP-Women Education and Empowering Programme (Social Service and Funding organization), conducted by Mr. Rajavel P.,

Team Leader and Mr. Jimish Mathew, Branch Head as a part of Womens Day Celebration on 25.02.2017

- Food and Handicrafts Mela, organized by WEEP for a social cause on 06.03.2017

YRC (Youth Red Cross) Club – Some of the prime objectives of YRC are

- To contribute to the improvement of health, the prevention of disease and maternity and child care in the community
- To educate the population on how to prepare for and respond to disasters
- To organize emergency relief services for the victims of disasters and mitigation of their suffering
- To promote the Fundamental Principles of the Movement and the International Humanitarian Law in order to inculcate humanitarian ideals among the population, and in particular among children and youth
- To impart a sense of discipline and formation of character to the students
- To develop organizational skills, charitable services and civil leadership in our students

YRC proud of the following events that took place through the years

- “EYE CAMP” at our campus in association with Sankara Eye Hospital on 02.08.2014
- Three Day District Disaster Response Team Formation & Training Program on 08.10.2014 – 10.10.2014
- Skit on the theme of Waste Mgmt at NSR Rd, Saibaba Colony on 21.08.2016
- Rally was organized on 24.01.2017 in connection with World Voters Day at Sarkar Samakulam Panchayat Union

NSS (National Service Scheme) Club - Some of the prime objectives of NSS are

- To develop competence required for group living and sharing responsibilities
- To develop capacity to meet emergencies and national disasters
- To work with a sense of dedication among the people
- Understand themselves in relation to their community
- To gain skills in programme development to enable him/her for self-

employment

- To promote the will to serve the weaker section of the community
- The club strives to bring improvements in the field of social welfare

Some notable events through NSS are

- Rain water harvesting Rally at Sarkar Samakulam panchayath in the presence of Thiru.A.P.Nagarajan M.P on 05.07.2014
- Campus cleaning program on 24.08.2014
- Swachh Bharat Abhiyaan program on 04.10.2014
- A one day cleanliness campaign programme on the theme of Swachh Rail Swachh Bharat Abhiyaan on 19.09.2016 along with Southern Railway, Coimbatore at Coimbatore Junction
- Skit based on the social messages decided instant at the spot was organized on 28.01.17

List of Certificates and Medals awarded in Orientation Program

CIVIL DEPARTMENT

Academic Year	Name of the certificate or rewards	Student Name	Class
2013-14	100% Attendance	P.Dharani	II
2014-15	100% Attendance	K.Karthik Raja T.Pavithra P.Dharani P.Karthika B.Deebigha Vimala	II III III III III III
2015-16	Best SDT Project	G.Devan G.Vijitha A.Sindhuri L.Manobharathi Nachiappan	IV III III II II
2015-16	100% Attendance	M.Mohan Babu S.Bharath	II II

CSE DEPARTMENT

Academic Year	Name of the certificate or	Student Name	Class
2013-14	Top Coders	Sujinder S.	III CSE
2014-15	NIIT'S Tech Test	Sujinder S. Collin Prabhu J.P.	IV CSE IV CSE
2015-16	Best SDT Project	Amresh V.S. Sri Kumar R.S.	II CSE II CSE
	100% Attendance	Amresh V.S. Saranya K. Simi V.P. Yogalakshmi S.	II CSE III CSE III CSE I CSE
2015-16	Class Toppers	Agana Priya D. Kowsika M. Priyadharshini S. Priyanga M.	IV CSE- A III CSE IV CSE-B II CSE
2016-17	Best SDT Project	Amresh V.S. Srikumar S. Parthasarathi R.V. Sridhar P.	III CSE III CSE II CSE II CSE
	100% Attendance	Manjula S.	IV CSE
2016-17	Class Toppers	Anushiya M. Kowsika M. Manjula S. Amresh V.S. Monisha V. Priyanga M. Mythily M. Parthasarathi R.V. Yogalakshmi S.	IV CSE IV CSE IV CSE III CSE III CSE III CSE II CSE II CSE II CSE

EEE DEPARTMENT

Academic Year	Name of the certificate or	Student Name	Class
2013-14	100% Attendance	Dhanapalan P. Janani T. Kaviraj R. Madhan Prabhu M.	I EEE
		Udhaya Kumar K.	II EEE
2014-15	100 % Attendance	Dhanapalan P. Janani T. Kaviraj R. Madhan Prabhu M. Meena G.	II EEE
	Best Performer	Bhuvanashree	IV EEE
2015-16	100% Attendance	Dhanapalan P. Janani T. Madhan Prabhu M. Meena G.	III EEE
	Best Performer	Christeena J.	IV EEE
2016-17	100% Attendance	Madhan Prabhu M.	IV EEE

ECE DEPARTMENT

Academic Year	Name of the Certificate or rewards	Student Name	Class
2013-14	Class Toppers	Dinesh Kumar R.K. Prasad Sudha V.	IV ECE
		Mitali	III ECE
	Class Toppers	Mythili Tamarai Kanni	III ECE

2013-14	Class Toppers	Nandhakumar N. Nimmi S. Pavithra P.	II ECE
2014-15	Class Toppers	Mitali Mythili Tamarai Kanni	IV ECE
		Nandhakumar N. Nimmi S. Pavithra P.	III ECE
		Archana V. Nivedhitha A.	II ECE
2015-16	Class Toppers	Nandhakumar N. Nimmi S. Pavithra P. A. Sri Bhuvaneshwari S. Priya R.Priyanka	IV ECE
2015-16	Class Toppers	Nivedhitha A. Archana V. Seeli Jenipher R.	III ECE
		Tamil Selvan P. Nandhini G. Merlin Suganya K.	II ECE
	Class Toppers	Kamali K. Sathyapriya N. Kavya S.	I ECE
	Class Toppers	N. Nandhakumar V. Abinaya S. Kanniyammal S. Priya R. Priyanka A.Sri Bhuaneswari	IV ECE

2015-16	Project Expo	A. Sri Bhuvaneshwari Sridharan K. Srinivasarasu T. Vijayakumar M.	IV ECE
	Quiz	S. David Kumar Preetha R.	IV ECE
		N. Nandha Kumar T. Aiyan Raj	IV ECE
	Best Mini Project	Evangelin Briskilla D. Indhumathi S. Nimmi S. Pavithra R.	IV ECE
	Best Mini Project	Shobana M. Thesha Priya P. Karthikan B. Gokula Krishnan S	IV ECE

MECHANICAL DEPARTMENT

Academic Year	Name of the certificate or rewards	Student Name	Class
2012-13	100% Attendance	Vadivelvijay.J Anish Antony SathiyaPrakaash.R Anand.T Lingeswaran.K	IV MECH A IV MECH A II MECH B III MECH A III MECH A
	Best Performer	Anish Antony Madhan Kumar.P SathiyaPrakaash.R	IV MECH A III MECH A II MECH B
	Best Co-Ordinator	Allwin.A Swathanandan.J Sivaguru.S	IV MECH B II MECH A III MECH A

2013-14	100% Attendance	Lingeswaran K. Gokul S. Sathiya Prakaash R. Ahilan S. Kishorekennedy R. Prakash L. Thangaraj A.	IV MECH A III MECH A III MECH B II MECH A II MECH A II MECH B II MECH C
	Best Performer	Madhan Kumar P. Vishnu Vignesh N. Swathanandan J.	IV MECH B II MECH C III MECH B
	Best Co-ordinator	A.P. Rajkumar Singaravelan R. S.NithyanandYogaraj	II MECH B III MECH A IV MECH A
2014-15	100% Attendance	Gobinath B. Ibrahim B. Krishnakumar P. Vishnu Vignesh N.	II MECH A II MECH B III MECH B III MECH C
	Best Performer	Chandraprabhu D. Kaushik V. Suriyaa S.S.	II MECH A III MECH A IV MECH A
2014-15	Best Co-ordinator	R.S.M. Lalit Kishore V. Ananthan A. Syed Ariff	III MECH B III MECH A III MECH C
2015-16	100% Attendance	Iswarya K. Raja S. Chandraprabhu D. Rashik M. RajeshKumarPillai M Lokesh R. Sethuram V.	II MECH A II MECH B III MECH A III MECH C III MECH C IV MECH B IV MECH C
	Best Performer	Iswarya K. Oliver Adams G. Vignesh M.	II MECH A III MECH C IV MECH C
	Best Co-ordinator	R. Dharmesh Kumar T. Elavarasan R. Sedhu Siddharth	II MECH A III MECH A IV MECH C
2016-17	Attendance	Jijithkumar N. Yuvaraj N. Shankar E. Pradeepkumar P.	II MECH A II MECH C III MECH C IV MECH C

2016-17	Best Performer	Rashik M. Narendran R.J. Deepanraj N.	IV MECH C III MECH B II MECH A
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IT DEPARTMENT

Academic Year	Name of the Certificate or rewards	Student Name	Class
2013-14	Top Coders	R.G. Sanjula	III IT
2014-15	Toppers	Balaji I. Dharani S. Karthi Deepa M.	III IT III IT III IT
	NIIT'S Tech Test	Sankar U.S.	IV IT
2015-16	Best SDT Project	Soundarya S.	III IT
	100% Attendance		
	Class Toppers		
2016-17	Best SDT Project	Gokila S. Diviya K. Chinraj T.	II IT II IT III IT
	100% Attendance	Soundarya.S	IV IT
2016-17	Class Toppers	Ganeshwari G. Sri Sanjana N. Sabeena Begam	IV IT IV IT III IT

LIST OF CERTIFICATES & MEDALS AWARDED IN ANNUAL DAY PROGRAM

CIVIL DEPARTMENT

Academic Year	Name of the Certificate or rewards	Student Name	Class
2013-14	Class Topper	P.Dharani	II CIVIL
2014-15	Class Topper	P.Dharani	III CIVIL
	Class Topper	Sindhuri.A	II CIVIL
2015-16	Class Topper	P.Dharani	IV CIVIL
2015-16	Class Topper	R.Akshairaj	III CIVIL
	Class Topper	Logesh R.Swathi Lakshmi M.Iyyappan	II CIVIL
	University Rankholder 16 th Rank	S. Menaka	II ME Structural Engineering

CSE DEPARTMENT

Academic Year	Name of the certificate or rewards	Student Name	Class
2013-14	Best outgoing student	Annamalai K.	IV CSE
2014-15	Best outgoing student	Raja Rajeshwari S Malini S.	IV CSE IV CSE
	100% Attendance	Indhumathi.A Geethanjali Swetha.M	IV CSE II CSE II CSE
2015-16	Best outgoing student	Dhivya Shri.T	IV CSE
	Toppers	Priyanga.M Kowsika.M Soundarya.S Agana Priya.D Priyadharshini.S	II CSE III CSE III CSE IV CSE-A IV CSE-B

2015-16	Mini Project	S.Jayanthi M.Rajarajeshwari Ismail Khan.V Sri Kumar.S	IV CSE IV CSE III CSE II CSE
	100% Attendance	Indhumathi.A Anushiya.M Simi V.P Schindhya.R Sarranya.K	IV CSE III CSE III CSE III CSE III CSE

EEE DEPARTMENT

Academic Year	Name of the Certificate or rewards	Student Name	Class
2012-13	Toppers	Alaguraja Gopika	II EEE
2013-14	Toppers	Vignesh Kumaran V Christeena J Alaguraja Gopika	I EEE II EEE III EEE
2014-15	Toppers	Vignesh Kumaran V Alaguraja Gopika	II EEE IV EEE
	100 % Attendance	Vinoth P S Thirumalai J Karpaga Jothi R	III EEE
2015-16	Toppers	Periyasamy A Meena G Christeena J	II EEE III EEE IV EEE
	100 % Attendance	Geetha S Keerthivasan M Kulanthaivelu P Periyasamy A Santhosh S	II EEE
2015-16	100 % Attendance	Madhan Prabhu M Janani T	III EEE
		Anandraj G Subashini C	IV EEE

ECE DEPARTMENT

Academic Year	Name of the Certificate or rewards	Student Name	Class
2013-14	100% Attendance	Mitali .A Vidhya Laxmi .C	IV ECE
2014-15	100% Attendance	Vishnu Priya .S Roslin .R	IV ECE
2015-16	100% Attendance	J.Kalirajan N.Nandhakumar	IV ECE IV ECE
2015-16	100% Attendance	Abijith. Sk Kamali. K Nandhini. K Ramyadevi. G Reshma. E. R	II ECE
	100% Attendance	Vivinya. K	II ECE
2016-17	Project & Other Events 1. Hacking Workshop - Microsoft Research Community Winner-2014 2. Paper Presentation- National Level 1 st Prize Mysore University-2014 3. Paper Presentation-ICL Award International Winner / Best Idea Award/Best Presentation Award - 2015 4. Hacking (Hackcheks)- World	Saravanan .R	IV ECE

	Record – Gieb Company Chennai-2015 5.National Winner 2015- Poem Writing		
	Sports	Anand Kumar.G.	IV ECE
	Sports	Kajamaideen.R	IV ECE
	Mini Project	Saravanan.M	IV ECE
	Sdt	Rajkumar.R	III ECE

MECHANICAL DEPARTMENT

Academic Year	Name of the Certificate or rewards	Student Name	Class
2013-14	Topper	Madhan Kumar.P Vishnu Vignesh N Swathanandan.J	IV MECH B II MECH C III MECH B
2014-15	Topper	Chandraprabhu D Kaushik V Suriyaa.S.S	II MECH A III MECH A IV MECH A
2015-16	Topper	Iswarya.K Oliver Adams G Vignesh .M	II MECH A III MECH C IV MECH C
2016-17	Topper	Rashik M Narendran.R.J Deepanraj N	IV MECH C III MECH B II MECH A

IT DEPARTMENT

Academic Year	Name of the certificate or rewards	Student Name	Class
2014-15	Best outgoing student	Malini.S	IV IT
2015-16	Best outgoing student	Sachin T Francis	IV IT

2015-16	Mini Project	Sachin T Francis Soundarya.S	IV IT III IT
2016-17	100% Attendance	Sri Sanjana.S	III IT

MBA DEPARTMENT

Academic Year	Name of the Certificate or rewards	Student Name	Class
2013-14	100 % Attendance	Keerthi	I MBA
	Class Topper	Keerthi	I MBA
	Best Performer	R.Rajeshwari	I MBA
2014-15	100 % Attendance	Alagiri, D.Deepa, O.Karthick Bharathi	I MBA
	Class Topper	D.Deepa	I & II MBA
2015-16	100 % Attendance	D.Deepa, O.Karthick Bharathi	II MBA
		Onisha	I MBA
	Class Topper	R.Rajeshwari	I & II MBA
2016-17	100 % Attendance	Harikrishnan.C.N, Ananthu Krishnan.	I MBA

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defence, Civil Services, etc.

The Institution provides support and guidance to the students through tutors, class advisors, academic coordinators and HoD for appearing in competitive examinations like GATE, TANCET, GRE, TOEFL, etc.

- The students are informed well in advance through circulars and notifications for making their preparations ease.
- The institution is periodically giving counselling to the interested students and also conducts orientation programme to motivate the students through professional training institutes.
- Books and other reading materials for competitive examinations are made available in the college library.
- Training and Placement Cell notifies students and updates information about various competitive examinations.
- Aptitude tests are conducted at the department level both in internal and external mode to keep the students in pace with the demanding standards.
- Stream specific technical trainings are given to enable them clear competitive examinations.
- MoU with Benevolent Academy serves the purpose of addressing the students interested to opt for higher studies in foreign universities and overseas placement.
- IAS Academy played a major role in giving confidence to the students to prepare and face the UPSC and other competitive examinations

List of students those who have taken up the competitive exams and passed in each department

Name of the Competitive Examination	Academic Year	No. of students Appeared	No. of students Qualified
GATE	2013-14	3	1
	2014-15	2	-
Adithya IAS Academy	2013-14	49	-
TANCET	2012-16	2	2

5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)?

Academic Counselling

Class Advisors and Tutors play a major role in monitoring, guiding and counselling students in all aspects. Class Committee Meetings and weekly Tutor

Ward Meetings are conducted to address the major and minor issues of students and resolving it through follow ups. Every tutor is assigned with manageable students to provide one to one academic counselling.

A hierarchy has been in practise for providing academic counselling to students. It all begins with tutor-ward interactions. Students who require further counselling have gone through the caring of Academic Coordinator, HoD and Principal as needed. Similarly, outstanding students are also provided with additional guidance to excel themselves in academics and thus aim for university ranks. The tutor regularly updates the parent/guardian on the performance of the wards.

Additionally, counselling is given in the following areas where special attention is required

- Preparation techniques of difficult subjects for the university examinations
- Methods to deal with analytical subjects for better understanding
- Strategy to clear arrears
- Approach to face the examination without fear factor
- Significance of attending special coaching classes
- Habitual of being punctual and sincere in attending classes
- Areas to strengthen before appearing placement
- Benefits of being strong in any specific domain

Personal and Psycho Social Counselling

The institution has appointed a qualified and experienced Academic Counsellor to counsel the students on personal problems, behavioural issues etc. The Academic Counsellor advises the students on mechanisms to relieve from stress, thereby improving concentration and overall improvement in their studies. Whenever it is required, the Academic Counsellor also holds discussion with the parent/guardian of the students and advises them on their role of responsibility.

Guidance Services

To facilitate the students aiming for higher studies, the institution provides vital information on entrance tests like GRE, TOEFL, GMAT, CAT etc. Professional training organizations are invited for sharing successful tips and guidelines to the students preparing for such examinations. AIT has established a fully functional Entrepreneurship Development Cell which provides back support to students on entrepreneurship ventures. AIT has tied up with Corporate for

mentoring the students. Experts from the industry mentor the selected students and help them in gaining higher levels of proficiency. Apart from industry experts, faculty also plays the major role as mentors and guides the students on career winning aspects.

Motivational Talk on the topic **“Rise above and beyond”** was given to students by **Mr. Suresh Babu Kunnath** who is recognized as an influencer and admired as a most popular life coach among the students community. He explained various factors which influence the development of personality like manners, attitude, thought, feelings, actions, appearance, temperament and habit which are key to achieve success.

Motivational Talk on the topic **“Let us talk – Peasalam Vanga”** was organized on 01 March, 2017 for all the final year B.E Students and MBA Students. The session was handled by **Mr. M. Giri**, Managing Director, M/s GSV Corporation, Coimbatore. He presented to the students the importance of acquiring positive attitude and good characters for being successful in their life. He also vividly expressed his personal experiences with relevance to various traits of life. He explained how important it is to have good Communication Skill and Time Management for a meaningful career in future. He enumerated the tools required for the success in carrier and life.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If “yes”, detail on the services provided to help students, identify job opportunities and prepare them for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

Yes. The college has a structured mechanism for career guidance and placements for students. AIT has a dedicated in house Training and Placement team which provides necessary services to the students. The team is committed to phase out the prospective recruiters, visit them, understand the expectations of the organization from the students, train the students to match their requirements and also organize and facilitate on - campus and off - campus placement drives.

List of the members of the Training and Placement Division during the academic year 2014-15:

Placement training details**IV CSE, IT, ECE, EEE, MECH and CIVIL for the academic year 2016-17****ODD Semester**

6 hrs per week	Quantitative Aptitude & Logical Reasoning	Internal Faculty(K.Alagiri Prakash & C. Bhuvaneswari)
2 hrs per week	Soft skills	External – Mcube solutions
2 hrs per week	C, C++ for CSE, IT, ECE, EEE.	Internal Faculty- R.D. Priyanka
2 hrs per week	Online Practice	-
2 hrs per week	Verbal / Industry Interaction	Internal Faculty -Sareena Angelin & M. Dhivya

Company Specific Trainings

21.07.16	Urjanet energy solutions	Quantitative Aptitude & Logical Reasoning	Internal Faculty(K.Alagiri Prakash & C. Bhuvaneswari)
03.08.16	Odessa technologies	Quantitative Aptitude & Logical Reasoning	Internal Faculty(K.Alagiri Prakash & C. Bhuvaneswari)
04.08.16	Odessa technologies	Quantitative Aptitude	External – Mr. Naveen (Freelance aptitude trainer)
05.08.16	Odessa technologies	C, C++	Internal Faculty – R.D.Priyanka
16.08.16 & 17.08.16	Vernalis	C, C++ using DODO software	External – Mr. R. P. Arun Prakash Kamptek Consultancy services
20.08.16 & 21.08.16	Payoda	C, C++ using DODO software	External – Mr. R. P. Arun Prakash Kamptek Consultancy services
27.08.16	Fujipura Infrastructures and Developers India Pvt. Ltd.	Aptitude	Internal Faculty(K.Alagiri Prakash & C. Bhuvaneswari)

27.08.16 , 29.08.16 & 30.08.16	Fujipura Infrastructures and Developers India Pvt. Ltd.	Technical training	Internal - Dr. Suji & Mr. Sakhivel
27.08.16 & 29.08.16	USAM CAD India Ltd.	CAD training	Internal – Faculty from Mechanical Dept.
19.09.16 & 20.09.16	Skava	C, C++, JAVA, DoDo, Hacker Rank	Internal Faculty – R.D.Priyanka

EVEN Semester

Company Specific Training

21.02.17	EaziBiz tech Pvt. Ltd.	JAVA	Internal Faculty (G.Umamaheswari)
03.03.17	Infonet, Shlokabs & EDS	PHP and .NET	Internal Faculty (G.Umamaheswari)
04.03.17	Infonet	PHP	External
14.03.17	Color homes development pvt. ltd	Logical reasoning	Internal (C. Bhuvaneswari)

III CSE & IT, EEE, ECE for the academic year 2016 – 17

ODD Semester

2 hrs per week – Quantitative Aptitude & Logical Reasoning

EVEN Semester

5 hrs per week	Quantitative Aptitude & Logical Reasoning	Internal Faculty(K.Alagiri Prakash & C. Bhuvaneswari)
2 hrs per week	Verbal	External – Mcube solutions
2 hrs per week	C, C++	Internal Faculty (G.Umamaheswari)
1 hr per week	Online Practice	-

III Mech & Civil for the academic year 2016-17

EVEN Semester

6 hrs per week	Quantitative Aptitude & Logical Reasoning	Internal Faculty(K.Alagiri Prakash & C. Bhuvaneswari)
3 hrs per week	Technical training	Internal(Faculty -Mech / Civil Dept)
1 hr per week	Online Practice	-

II year - All branches for the academic year 2016-17

EVEN Semester

2 hrs per week for first 6 weeks	Communication skills	External – Mcube solutions
2 hrs per week for second 6 weeks	Technical training (Mech & Civil)	Internal(Faculty -Mech / Civil Dept)
	C/C++ (EEE,ECE,CSE,IT)	Internal Faculty (G.Umamaheswari)

II year - All branches for the academic year 2016-17

I Year ODD Semester

2 hrs per week	Communication skills	External – Mcube solutions
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AIT provides all the required mentoring, coaching, guidance and training to educate the students on various employment opportunities and helps them to make the right career choice. AIT initiative includes Placement Cell which organizes and renders programmes to the students in the areas of

- Verbal Reasoning
- Aptitude
- Soft Skills
- Communication Skill Development Programmes

Technical training with placement focus for all streams of engineering is provided. The following chart shows the training programmes which are all delivered to the students apart from academics. The outcome of the training

programmes and the efforts of the students, faculty and the management are depicted in the following table.

S.No	Particulars	2009-13 Batch	2010-14 Batch	2011-15 Batch	2012-16 Batch
1	Total Number of Students	286	434	441	473
2	Total Number of students Interested for placements	222	330	355	358
3	Total Number of students Placed	80	174	212	245
4	No. of offers made to students	95	212	337	372
5	Salary between 3.0 – 5.0 lacs per annum	19	26	38	42
6	Salary between 2.0-3.0 lacs per annum	27	50	41	41
7	Salary below 2.0 lacs per annum	34	98	133	162
8	Average Salary (Rs.)	7.8L	8.7L	9L	9.5L

EDC helps student exploring new ventures, availing bank loans, providing technical support etc. Alumni students act as a bridge between Industry and Institute to narrow the gap thereby creating a chance for our students to get placed.

5.1.10 Does the institution have a student grievance redress cell? If yes, list (if any) the grievances reported and redressed during the last four years.

Yes. The institution has a Grievance Redressal Cell to rectify the grievances of the students.

- It has been established to find the solutions for the problems faced by the students during their course of study. The Cell listens to the genuine problems and tries to resolve it for the welfare of students.

- The function of the cell is to look into the complaints lodged by any student, and judge its merit. Anyone with a genuine grievance may register it in the Grievance Register kept at the college library or Maintenance Register at the HoD cabin or otherwise the inputs through Tutor Ward Meeting are also taken into account.
- Problems that can be solved within the limit of department can be addressed immediate and the rest will be forwarded for discussion.
- The details will be discussed in the Grievance Redressal Cell Meeting comprising of Senior Professors, HoDs, Dean and Principal and the actions will be disclosed to concerned students in suitable forum.
- Apart from this, once in a year the Chairman is used to interact with the students in knowing their requirements and specific grievances and follow up with remedial measures execution.
- Also to look into the academic grievances, a blog is active in Adithya LMS for students' representation.

Grievances Redressal Cell Committee

S. No.	Name	Category	Present Designation /Occupation
1	Dr. Chitradevi N.	President	HoD, CSE & IT
2	Ms. Chitradevi J.	Member	Faculty, Science and Humanities
3	Mr.Sathyamoorthi.D	Industry Representative	Manager Commercial, Sueeraa Alloys Global pvt. Ltd.

5.1.11 what are institutional provisions for resolving issues pertaining to sexual harassment?

Woman Empowerment Cell takes care of the welfare of girl students, lady faculties and domestic workers AIT is very keen in preventing and protecting the women from sexual harassment in any form. CCTV monitoring is available round the clock and it ensures the non occurrence of any untoward incidents against girl students, lady faculties and other domestic workers. The students of both genders have been educated on what is sexual harassment and made aware of the consequences, if involved in any such activities. This women cell takes care of any complaints relating to the sexual harassment of the girl students. Since incessant counselling and continuous monitoring are taking place by the faculties, no untoward incidents of sexual harassment has been reported so far. Also

Adithya provides equal platform for both genders in conducting various events and this paves the way to work in congenial manner.

Women Empowerment Cell

S. No.	Name	Category	Present Designation / Occupation
1	Mrs.S.Sudharani	President	HoD, Science and Humanities
2	Mrs. Chitradevi J.	Member	Faculty, Science and Humanities
3	Mrs.Senthil Vadivukarasi	Member	Faculty, Science and Humanities

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes. As per the guidelines of UGC, AICTE and the University, an Anti-Ragging Committee has been constituted to handle issues related to ragging.

- Posters on ragging have been displayed around the campus, clearly stating the activities which are considered as ragging and punishments prescribed by the law for such activities.
- Affidavits, as per the direction from the Government and Anti-ragging Act, undertaking are collected from each and every students and their parents at the time of admission.
- In the beginning of every academic year, instructions are given to the entire students community for maintaining the distance from ragging and since circulars containing strict warning by the Government are displayed at common places to attract the attention of students, no incident of ragging has been reported so far either in the campus or in hostels.
- CCTV cameras are installed at various locations in the college premises as per the Government regulations to monitor the activities.

Anti-Ragging Committee Members

S.No	Members	Department
1	Mrs.S.Sudharani Mr.A.Nandhakumar Ms.Sareena Angelin.Y.R	S&H
2	Mr.T.kirubhakaran Mr.K.Jagadeesh Mr.J.R.Nishanth	ECE & EEE
3	Dr.K.Senthilkumar Mr.R.M.Udhaya chandran Mr.M.K. Sathish Kumar	Mechanical
4	Mr.N.Siva Sanker Ms.M.vaishnavi Ms.V.K.Arthi	MBA
5	Dr.N.Chitra Devi Mr.R.Sagaya Vivian	CSE &IT
6	Mr.M.Pandiyan	Librarian
7	Ms.Kalaiselvi Mr.R.Ganesan	Office, Mess, Security
8	Mr.Manivannan Mr.Kalikutti	Non Teaching
9	Ms.P.Muthuvidhya Mr.K.Muniraj	Warden Girls Warden Boys
10	Ms.Vishunupriya Mr.K.G.Jawahair Ms.D.Saakithya	Student Representatives from IV Year
11	Mr.V.Tharun kumar Mr.S.Loganathan Mr.Rajkumar	Student Representatives from III Year
12	Ms.Kiruthika Mr.Gowtham Ms.Saranya	Student Representatives from II Year
13	Mr.Sarfan Mr.Rajkamal Mr.Muthuraj	Student Representatives from I Year

5.1.13 Enumerate the welfare schemes made available to students by the institution. Some of the other welfare schemes are given below:

- Merit scholarships and free ships for deserving students

- Awards to class toppers
- Financial assistance to deserving projects
- Travel grants to participate in competitions and conferences
- Health screening initiatives
- Subsidized canteen which supplies hygienic and nutritious food
- Vehicle during medical emergencies
- Gymnasium
- Sportsperson meeting with injuries will be taken care of their medical treatment

5.1.14 Does the institution have a registered Alumni Association? If “yes”, what are its activities and major contributions for institutional, academic and infrastructure development?

Yes. The institution has an Alumni Association. The alumni association of the Institution functions through its administrative body which holds periodic meetings, elects office bearers and regularly updates the database of the alumni and carries out activities to meet its objectives. March 1st Sunday of Every Year, an Alumni Meet is organized in the campus for all chapters and batches. Alumni meetings are held periodically. Office Bearers Meeting is scheduled twice in a year.

Alumni Contributions

Alumni students are often invited for pep talks on their area of interest and expertise and their suggestions for improvement are always treated with highest priority and one such evidence is giving options to our students in choosing their skill of interest in learning SDT.

Alumni Association

S.No.	Name	Category	Department	Batch
1	Mr. Kasiram Sethuraman	President	Mechanical	2008-12
2	Mr. Sathish Kumar M.K.	Vice-President	Mechanical	2009-13
3	Mr. Srinivasan K.	Secretary	Mechanical	2009-13
4	Mr. Muthukumar M.	Joint Secretary	ECE	2009-13
5	Mr. Santhakumar	Treasurer	ECE	2010-14
6	Mr. Suriya S.S.	Joint Treasurer	Mechanical	2011-15
7	Mr. Swadhananthan	P.R.O.	Mechanical	2011-15

5.2 STUDENT PROGRESSION

5.2.1 Providing the percentage of student progressing to higher education or employment (for the last four batches), highlight the trends observed.

Awareness and guidance are given to the students in different modes like Placement, Higher Education and Entrepreneurship respectively through Training and Placement Cell and Entrepreneurship Development Cell. Over the past years, a sizable number of graduates have empowered as successful entrepreneurs and employees. Significant number of students has opted for higher studies both in Indian and Foreign Universities. The student progression in these aspects is given below.

Batch	Student Progression	No of students	Percentage
2009-2013	UG to PG	15	4.3
	PG to MPhil	NA	NA
	PG to Ph.D.	-	-
	Employed [campus selection, other than campus recruitment]	145	42.2
2010-2014	UG to PG	5	1.3
	PG to MPhil	NA	NA
	PG to Ph.D.	-	-
	Employed [campus selection, other than campus recruitment]	179	46.8
2011-2015	UG to PG	11	2.5
	PG to MPhil	NA	NA
	PG to Ph.D.	-	-
	Employed [campus selection, other than campus recruitment]	213	48.4
2012-2016	UG to PG	4	1.1
	PG to MPhil	NA	NA
	PG to Ph.D.	-	-
	Employed [campus selection, other than campus recruitment]	267	76.2

5.2.2 Provide details of the programme-wise pass percentage and completion rate for the last four years (course wise/batch wise as stipulated by the

university)? Furnish program-wise details in comparison with that of the previous performance of the same and that of the Colleges of the affiliating university within the city/district.

The details are given below:

Academic Year	No of students Appeared	No of students Graduated	Percentage of Graduation
2009-13	237	193	81.4
2010-14	342	294	85.9
2011-15	345	286	82.8
2012-16	375	275	73.3

DEPARTMENT WISE GRADUATION DETAILS:

Department	Academic Year	No. of students Appeared	No. of students Graduated	Percentage of Graduation
B.E. - CSE	2009-13	51	28	55
	2010-14	61	47	77
	2011-15	48	37	77
	2012-16	73	55	75
M.E. - CSE	2012-14	22	22	100
	2013-15	02	02	100
	2014-16	02	01	50
B.E. - EEE	2011-15	55	46	83.63
	2012-16	46	39	84.78
B.E. – ECE	2009-13	61	57	93.44
	2010-14	99	72	72.72
	2011-15	102	79	77.45
	2012-16	87	75	86.20
M.E. - VLSI	2013-15	02	01	50
M.E. - AE	2012-14	07	06	85.71
	2013-15	04	04	100
B.E. – Mech.	2009-13	93	81	87.09
	2010-14	131	118	90.07
	2011-15	140	105	75.00
	2012-16	201	143	71.14

M.E. - ED	2012-14	02	02	100
	2013-15	10	06	60
B.Tech. - IT	2010-14	49	40	81
	2011-15	44	30	68
	2012-16	32	23	71
M.E. – Stru. Engg.	2013-15	16	13	81.25
	2014-16	16	12	75
MBA	2011-13	32	27	84.38
	2012-14	06	06	100
	2013-15	03	03	100
	2014-16	14	12	85.71

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

Training and Placement Cell and Entrepreneurship Development Cell has been established as part of our organization efforts to strengthen the student centric learning and career building initiatives in the campus.

Training and Placement Cell

- Besides sound technical skills, good sense of responsibility, initiative, friendly and outgoing personality, physical stamina and capacity to work for long hours on one's feet, good presence of mind, systematic approach, and unruffled appearance are the most demanding standards of any industry and our Training and Placement Cell takes care of this agenda.
- Training and Placement Cell helps students connect their academic experience to their career path, and it helps employers find emerging talent with the skills needed to advance their business.
- The departments take the help of Alumni Association as well as Training and Placement Cell to establish professional network with the representatives of industry. The HR managers of various companies are invited to the campus to interact with the students and faculty.

The Training and Placement cell provides various programmes for developing personality, leadership skill, communication skills, mathematical aptitude, group discussion, skill of preparing the correct resume, and facing the interview with confidence. Training is conducted right from the Second year of the course for getting placement offers in the interviews conducted by the companies through on

and off campus selection. The Placement cell identifies suitable placement opportunities and places the students through on and off campus placement.

Training and placement also aims at offering the services to the students for their betterment of choosing their Post Degree that will meet both employee and employer needs and also brings increased exposure to the latest technical practices in the industry and to the new culture.

The students, who are interested in higher education, will be provided with the necessary support for appearing in competitive examinations like GATE, TOEFL, GRE, TANCET etc. Awareness programs are conducted in association with external agencies for providing information about various competitive examinations to prepare themselves. The faculty members who are experience in the subjects are deployed to teach different subjects, and to specifically prepare the students to answer more for complex technical questions in the examinations.

Entrepreneurship Development Cell

The College has signed a MoU with National Entrepreneurship Network (NEN) for providing training to staff and students on entrepreneurial motivation. Several Industry Experts interactions are arranged. The students of various departments are taken for industrial visits time to time to keep them abreast of the latest developments in the industry. The EDC is designed and executed to foster techno-entrepreneurship for generation of wealth and employment.

Entrepreneurship

Students who are interested to become an entrepreneur enrol in the EDC (Entrepreneurship Development Cell). The cell is headed by Dr.Natarajan, Professor, Mechanical Department.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

Based on the performance of students during assessments, failures or drop-out students are identified. Such students are counselled by their tutors to spot out the reason for unconvincing performance. Special attention is given by HoDs and Principal and the success of changing their minds to continue studies is improved by 50%. Tutor ward meetings focus on categorizing parameters lead to performance below par. The potential reasons for failure and drop-outs and support to overcome these are as follows:

Students facing financial crisis which leads to satisfactory performance are supported by means of counselling them to overcome those situations.

Academic Weakness: Students who are identified to have problems in understanding the technical content are provided with additional coaching and extended hours of teaching.

Lack of Confidence: Students lacking confidence will reflect through their performances and these results in providing counselling to motivate them by Tutor, academic coordinator and HoD at the initial level, by the Academic counsellor at the intermediate level and by the Principal at the final level.

Domestic Issues: Wherever, domestic issues are the reason for declining performance, Principal convenes the parent of such students and counsels them to make ensure that the student has a favourable atmosphere at home

5.3 STUDENT PARTICIPATION AND ACTIVITIES

5.3.1 List the range of sports, games, cultural and other extra-curricular activities available to students. Provide details of participation and program calendar.

Every year Sports Day is conducted in the month of March which facilitates majority of the students attend and take part in various events. Trophies, Medals and Certificates of appreciation are awarded for the Winners and Runners. Students are categorized year wise to challenge their opponents in the sports arena. Boys showcase their talents in Football, Basketball, Volleyball, Cricket, Ball Badminton, Badminton, Kabbadi, Table Tennis, Chess, Carrom, Track and Field events. Girls exhibit their talents in Volleyball, Ball Badminton, Badminton, Chess, Carrom, Throwball, Tennikoit, Track and Field events.

AIT encourages Sport talents by giving Concession in Tuition Fee, sanctioning On-duty leave and TA / DA for student participants in Extramural Tournaments.

Chinnasamy Memorial Trophy, an honour and pride of engineering students around Coimbatore in sports and games is hosted and sponsored by our management every year with grand success and increase in students' participation. Our students participate in all the events and bring laurel to our college every year. Correspondingly the junior version for school students (+1 and +2) also takes place every year in the month of June-July. Also our Institution is one of the centres for hosting Anna University Zone XI inter engineering college tournaments every year in the month of Sep-Oct. In order to keep the students fit, a well equipped fitness centre for boys and girls is active inside the campus. In addition to above mention activities, regular evening coaching classes is happening under the guidance of Physical Director.

Sports Day 2016

<u>CIVIL DEPARTMENT</u>		
S.No.	Game	Achievement
1	1500 meter Running(Men)	M.Martin(2014-18)II yr Winner
2	5000 meter Running(Men)	M.Martin(2014-18)II yr Winner
3	200 meter Running(Men)	Dinesh.M(2013-17) III yr Winner
4	100 meter Running(Men)	M.Dinesh (2013-17)III yr Winner
<u>CSE DEPARTMENT</u>		
S.No.	Game	Achievement
1	Ball Badminton	S.Manjula(2013-17)III yr Runner
2	Ball Badminton	M.Anushiya(2013-17)IIIyr Runner
3	Ball Badminton	Valarmathi(2012-16)IV yr Winner
4	Ball Badminton	Gowri(2012-16)IV yr Winner
5	Women Discuss Throw	K.S.Aswathy(2014-18)II yr Winner
6	100 meter Running (Women)	K.S.Aswathy(2014-18)II yr Winner
7	Long Jump	K.S.Aswathy(2014-18)II yr Winner
8	200 meter Running (Women)	K.S.Aswathy(2014-18)II yr Winner
9	400 meter Running (Women) Finals	K.S.Aswathy(2014-18)II yr Winner
10	Short put	M.Mythily(2015-19)I yr Winner
11	Javelin	K.S.Aswathy(2014-18)II yr Winner
12	Javelin	M.Mythily(2015-19)I yr Winner
13	Chess	M.Anushiya(2013-17)III yr Runner
<u>EEE DEPARTMENT</u>		
S. No.	Game	Achievement
1	Ball Batminton	J.Christeena(2012-16)IV yr Winner
2	1500 meter Running(Men)	S.Ragul(2014-18)II yr Winner
3	5000 meter Running(Men)	K.Harish Babu(2014-18)II yr Winner
4	Long Jump	Divya.A(2015-19)I yr Winner
5	400 meter Running(Men)	Dinesh Kumar Winner
6	1500 meter Running(Men)	K.Saravanan Winner

7	400 meter Running (Women)	Divya.S(2015-19)I yr Winner
8	200 meter Running(Men)	Praveen.K(2012-16) IV yr Winner
<u>ECE DEPARTMENT</u>		
S. No.	Game	Achievement
1	Ball Batminton	A.Tamilselvi(2013-17)III yr Runner
2	Ball Batminton	T.Sivanandhini(2013-17)III yr Runner
3	Ball Batminton	U.Renuga(2013-17)III yr Runner
4	Ball Batminton	P.Kanagavalli(2013-17)III yr Runner
5	Ball Batminton	P.Sathya(2013-17)III yr Runner
6	Ball Batminton	I.Pavithra(2013-17)III yr Runner
7	Ball Batminton	D.Evangelin Briskilla(2012-16)IV yr Winner
8	Ball Batminton	S.Indumathi(2012-16)IV yr Winner
9	Ball Batminton	S.Nimmi(2012-16)IV yr Winner
10	Ball Batminton	K.R.Sushmitha(2012-16)IV yr Winner
11	Chess	R.Jayashree(2013-17)III yr Winner
12	Chess	R.M.Jayasurya Lakshmi(2013-17)III yr Winner
13	Chess	S.Leka(2013-17)III yr Winner
14	Chess	S.Nithya(2013-17)III yr Winner
15	Throw ball	Evangelin Briskilla.D(2012-16)IV yr Runner
16	Throw ball	S.Indhumathi(2012-16)IV yr Runner
17	Throw ball	K.R.Sushmitha(2012-16)IV yr Runner
18	Throw ball	K.Pradeep(2014-18)II yr Winner
19	Women Discuss throw	S.Indumathi(2012-16)IV yr Winner
20	Men Discuss throw	S.David Kumar(2012-16)IV yr Winner
21	Men Discuss throw	P.Muruges(2012-16)IV yr Winner
22	100 meter Running (Women)	N.Dhivya Bharathi(2012-16)IV yr Winner

23	100 meter Running (Women)	S.Jayanthi(2015-19)I yr Winner
24	Long Jump	N.Divya Bharathi(2012-16)IV yr Winner
25	200 meter Running (Women)	S.Jayanthi(2015-19)I yr Winner
26	200 meter Running (Women)	N.Dhivyabharathi(2012-16)IV yr Winner
27	200 meter Running(Men)	G.Anand Kumar(2012-16) IV yr Winner
28	400 meter Running(Men)	Kajamaiden.J(2012-16)IV yr Winner
29	1500 meter Running(Men)	Dinesh.T (2012-16) IV yr Winner
30	400 meter Running (Women)	Dhivya Bharathi.N(2012-16)IV yr Winner
31	Short put	S.Indhumathi(2012-16)IV yr Winner
32	Short put	N.Kiruthika(2014-18) II yr Winner
33	Short put	S.David Kumar(2012-16)IV yr Winner
34	Javelin	S.David Kumar(2012-16)IV yr Winner
35	200 meter Running(Men)	G.Anand Kumar(2012-16) IV yr Winner
36	100 meter Running(Men)	G.Anand Kumar(2012-16) IV yr Winner
37	Shuttle(Boys)	R.Karthikeyan(2013-17)III yr Winner

<u>MECHANICAL DEPARTMENT</u>		
S.NO	GAME	ACHIEVEMENT
1	Shuttle (Boys)	R.Ajay (2013-17)III yr Runner
2	5000 meter Running(Men)	C.S.Akshay(2014-18)II yr Winner
3	Discuss throw(Women)	S.Nalina priya(2015-19)I yr Winner
4	Discuss throw (Men)	R.Raghul(2015-19)I yr Winner
5	Tripple Jump	K.G.Jawahar(2012-16)IV yr Winner
6	Tripple Jump	S.Surendran(2013-17)III yr Winner
7	Tripple Jump	S.Prabhakaran(2014-18)II yr Winner

8	100 meter Running(Men)	C.Ram Kumar(2013-17) III yr Winner
9	100 meter Running(Men)	Gokul(2013-17) III yr Winner
10	200 meter Running(Men)	C.Ram kumar(2013-17) III yr Winner
11	1500 meter Running(Men)	R.Sathishkumar(2013-17) III yr Winner
12	1500 meter Running(Men)	S,Ravikiran(2013-17) III yr Winner
13	1500 meter Running(Men)	S.Parthiban(2013-17) III yr Winner
14	5000 meter Running(Men)	S.Parthiban(2013-17) III yr Winner
15	Javelin	S.Nalin priya(2015-19)I yr Winner
16	Short put	M.Haribabu(2013-17) III yr Winner
17	Short put	Allan Ignituous(2015-19)I yr Winner
18	Javelin	Jawahar.K.G(2012-16)IV yr Winner
19	Javelin	Sridhar.S(2015-19)I yr Winner
20	100 meter Running (Men)	K.G.Jawahar(2012-16)IV yr Winner

<u>IT DEPARTMENT</u>		
S.NO	GAME	ACHIEVEMENT
1	Ball Batminton	S.Soundharya(2013-17)III yr Runner
2	Ball Batminton	K.Kiruthika Priya(2013-17)III yr Runner
3	Ball Batminton	Divya Dharshini.A(2012-16)IV IT Winner
4	Ball Batminton	Priyanga.T(2012-16)IV IT Winner
5	Ball Batminton	R.Niranjani(2012-16)IV IT Winner
6	Throw ball	Divya Dharshini.A(2012-16)IV IT Runner
7	Throw ball	Priyanga.T(2012-16)IV IT Runner
8	Throw ball	R.Niranjani(2012-16)IV IT Runner

CULTURAL WINNERS

CIVIL DEPARTMENT

S.No	Event	Winners
1.	Drama	S.Satheesh Kumar A.Sathish Kumar G.Devan Subash.J Indra Gandhi
2	Dance	R.Harikrishnan M.Arun Prasath
3	Drama	P.Logesh G.Ajith Kumar R.Dharmaseelan M.Mohan Babu S.Vignesh L.Jagadeeshwaran

CSE DEPARTMENT

S. No.	Event	Winners
1	Essay Writing - Tamil	Geethanjali.A
2	Elocution - Tamil	Geethanjali.A
3	Dance – Solo	Kiran.B
4	Instrumental	Collin Prabhu.J.P

ECE DEPARTMENT

S.No	Event	Winners
1	Singing	Deena Edwin ,Dharshini.G

MECHANICAL DEPARTMENT

S. No.	Event	Winners
1	Pencil Sketching / Cartooning	Manjunath D.C
2	MIME	Siranjeevi S & Team
3	Quiz	John Ajil, Manibharathi
4	Singing - Solo	Juvin Jonix
5	Singing - Group	Juvin Jonix, Riyaz & Jerin
6	Group Dance	Manihandan & Team – IV MECH
7	Solo Song	Ramesh Kumar – III Mech
8	Short Film	Lathish – III MECH
9	Solo Dance	Ajith kumar – IV MECH

EXTRA-CURRICULAR ACTIVITIES(NCC, NSS...)**CIVIL DEPARTMENT**

S.No	Activity	Participants
1.	Car Free Sunday	5
2	Swachh Rail Swachh Bharath Abhiyaan	8

ECE DEPARTMENT

S.No	Activity	Participants
1	Swachh railways	65
2	Swachh cleaning	21

MECHANICAL DEPARTMENT

S.No	Activity	Participants
1	Kovai Green League – Greenest Campus Awards For Schools at Brookefield's – Coimbatore on 25.01.2017	8
2	One Day Cleanliness Campaign – Swachh Rail Swachh Bharat Abhiyaan at Southern Railway – Coimbatore Junction on 19.09.2016	10
3	One Day Cleanliness & Rally Campaign at Southern Railway – Coimbatore Junction On 22.09.2016	10

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular activities and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

Details of student's participation for the previous four years are listed below.

DEPARTMENT OF CIVIL ENGINEERING

Year	Events	Number of students won prizes	University / State / Zonal / National / International
2014	Elocution	1	State
	Paper Presentation	2	National
	Ball Badminton	1	State
2015	Elocution	1	State
	Paper Presentation	2	National
	Technical Event	4	National
2015	Brick bonding	2	National
	Ball Badminton	6	Zonal
2016	Elocution	1	District
	Paper Presentation	2	National
	Ball Badminton	3	State
	Technical Events	2	State

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Year	Events	Number of students won prizes	University / State / Zonal / National / International
2013	Symposium	5	National
	Code Debugging	5	National
	Workshop/Hands-on Training	7	National
	Competitive Events	7	National
	Paper Presentation	10	National
	Technical Event	5	National
	Poster Presentation	6	National
2014	National level conference NCICT 2014	3	National

	International Conference	10	International
	Symposium	4	National
	Workshop/Hands-on Training	18	National
	Competitive Events	30	National
2015	DB ManiaBuzz Session	3	National
	Symposium	6	National
	Workshop/Hands-on Training	12	National
	Competitive Events	9	National
	Google product App development	6	National
	Technical Aptitude	3	National
	Query Optimization (Techvita-II)	3	National
	Codevita	3	National
	Contest(Techvita-IV)	3	National
	National level conference NCICT 2015	3	National
2016	Intel Workshop	92	National

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Year	Events	Number of students won prizes	University /State / Zonal / National /International
2015-16	Circuit Debugging	1	National
2013-14	Paper Presentation	2	International
	Paper Presentation	2	National
	Robowar	2	National
	Conneto	1	National

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

Year	Events	Number of students won prizes	University /State / Zonal / National /International
2015-16	Circuit Debugging	1	National
2013-14	Paper Presentation	2	International
	Paper Presentation	3	National
	Robowar	2	National
	Conneto	1	National

DEPARTMENT OF MECHANICAL ENGINEERING

Year	Events	Number of students won prizes	University / State / Zonal / National /International
2012-13	Technical Paper presentation	1	National
	Cad modeling	2	National
2013-14	Short Film	3	National
	Paper Presentation	2	National
	Pneumatic Circuit Design	4	National
2014-15	Long Chase	1	National
	Poster Presentation	1	National
	AQUA NFS	2	National
	Project Presentation	1	National
2014-15	Mr.Mechanic	2	National
	CAD Modelling	1	National
	Quiz	3	National
	Power lifting	1	Zonal
2015-16	Technical Quiz	5	National
	Presentation of poster	2	National
	AQUA NFS	2	National
	Paper presentation	5	National

2015-16	Technical Paper presentation	2	National
	Auto Quiz	2	National
	Cad modelling	8	National
	National design competition	2	National
	Welding king	1	National
	Concept of design challenge	2	National
	Baja 2015 conducted by SAE	3	National
	Short Film	3	National
	Design & 3d printing RIOGA 2K15	1	National

DEPARTMENT OF INFORMATION TECHNOLOGY

Year	Events	Number of students won Prizes	University / State / Zonal / National /International
2013	Symposium	5	National
	Code Debugging	5	National
2013	Workshop/Hands-on Training	7	Intra college
	Competitive Events	7	Intra college
	Paper Presentation	10	National
	Technical Event	5	National
	Poster Presentation	6	National
2014	National level conference NCICT 2014	3	National
	International Conference	10	International
	Symposium	4	Intra college
	Workshop/Hands-on Training	18	Intra college
	Competitive Events	30	Intra college

2015	DB ManiaBuzz Session	3	Intra college
	Symposium	6	Intra college
	Workshop/Hands-on Training	12	Intra college
	Competitive Events	9	Intra college
	Google product App development	6	Intra college
	Technical Aptitude	3	Intra college
	Query Optimization (Techvita-II)	3	Intra college
2015	Codevita	3	Intra college
	Contest(Techvita-IV)	3	Intra college
	National level conference NCICT 2015	3	National
2016	Intel Workshop	92	Intra college

DEPARTMENT OF MBA

Year	Events	Number of students won Prizes	University /State / Zonal / National /International
2013	National conference Best Oral Presentation award	1	National
2015	Arthashastra 15 – National Level Management Meet Best Management Team	3	National
2015	Arthashastra 15 – National Level Management Meet Business Quiz	2	National
2017	Decisve Wizer A National Level Techno Management Fest	5	National
2017	AD – SELFIE A National Level Techno Management Fest	1	National

5.3.3 How does the College seek and use data and feedback from its graduates and Employers, to improve the performance and quality of the institutional provisions?

Suggestions are always invited from the alumni and employers for the improvement of institution in the dimensions of infrastructure, education process, value added courses, industry-specific skills etc. Feedbacks are obtained in questionnaire form through online and offline mode. Feedbacks are also collected at the time of transformation from student to engineer.

5.3.4 How does the College involve and encourage students to publish materials like catalogues, wall magazines, College magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

Students are encouraged to publish articles in the college eNewsletter by the student mentors. All the certificate templates and flex designs are developed by our college students. The departments come out with their own edition of eNewsletter to highlight the students and faculty skills and achievements. The students play the role of editorial board in designing the eNewsletter.

5.3.5 Does the College have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

Students Association is functioning in each department through which executive members are elected for the post of President, Secretary and Treasurer from fourth year, assistants from third year and the office bearers from second year. The responsibility of these office bearers is to arrange, coordinate and execute various programmes either academic or cultural, to develop organizational skills and leadership qualities

5.3.6 Give details of various academic and administrative bodies that have student representatives on them

Student representatives contribute their suggestions and views in the following committees.

1. IQAC
2. Anti -Ragging Committee
3. Class Committee
4. Class representative
5. Department Associations
6. Sports Committee

7. Placement committee
8. AIT CELLS and Clubs
 - ECO club
 - Melodia club
 - Photography club
 - Rotaract club
 - YRC club
 - NSS club

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution

AIT has the best practice of encouraging the collaborative work with Alumni and faculty who had a long association with the institute and who think and act better in the welfare of the institution. Alumni Members and former faculty members are invited for various knowledge transformation programs for the mutual benefit. They are also invited to attend alumni meet where they are felicitated and invited to put forth their suggestions.

AIT EVENTS & STUDENT RECOGNITION PHOTO'S



CSE Department Association function



Joy of engineering function for students



Puduchery Lt.Governor Kiran beddy talk to AIT Students on ISRO World Space Week function



Space exhibition to students



Graduation day at AIT



Plant Sapling



ASINTRA'15 College Level Symposium



AIT Alumni Association Meet ANCIENS



Student Active Participation for Placement Drive at AIT



Students actively participating sports in AIT



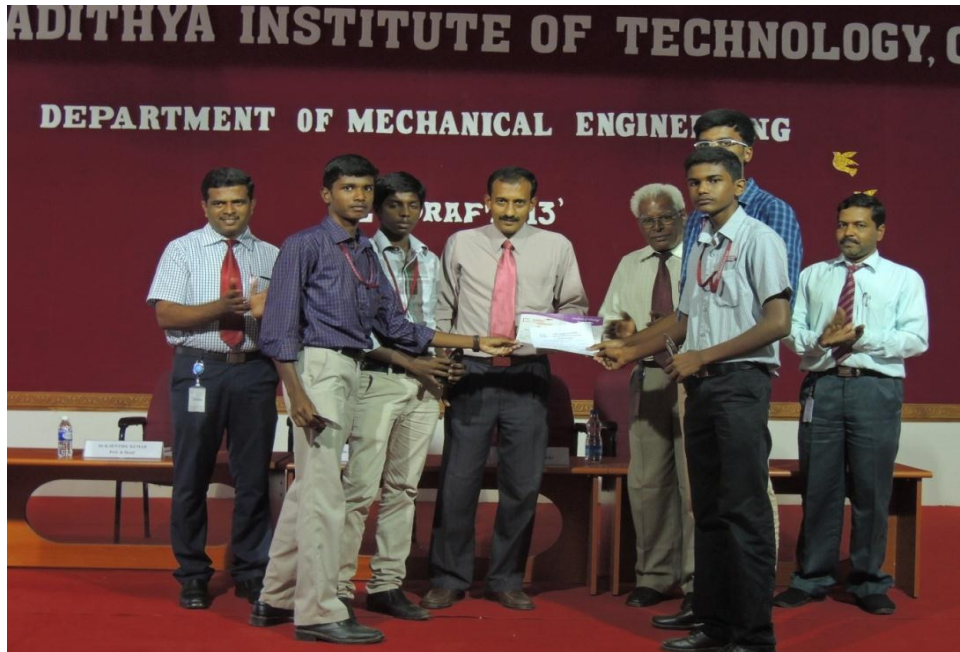
Students Activity on Clubs



CSE National Conference Program



NSS activity at AIT



Mechanical Department - E Draft



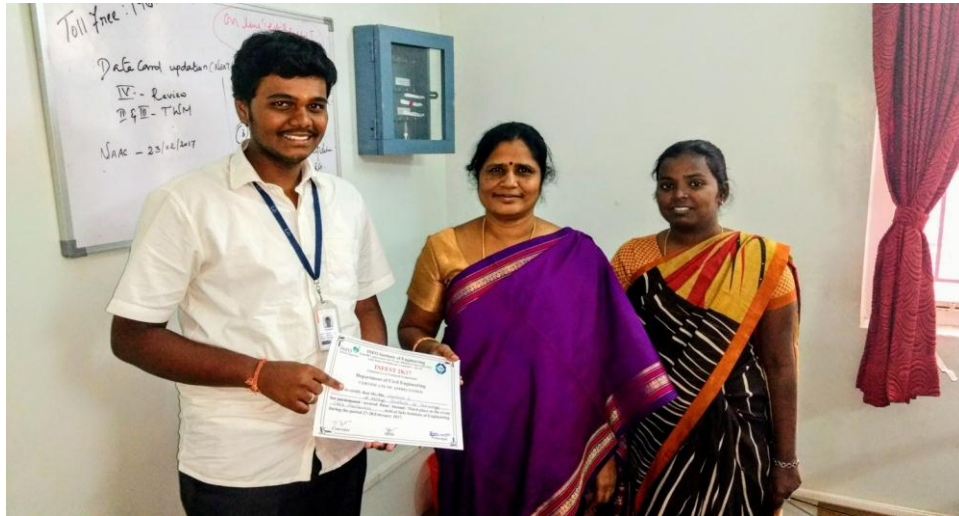
Mission 10X at AIT for Students Benefit



Annual day celebration at AIT



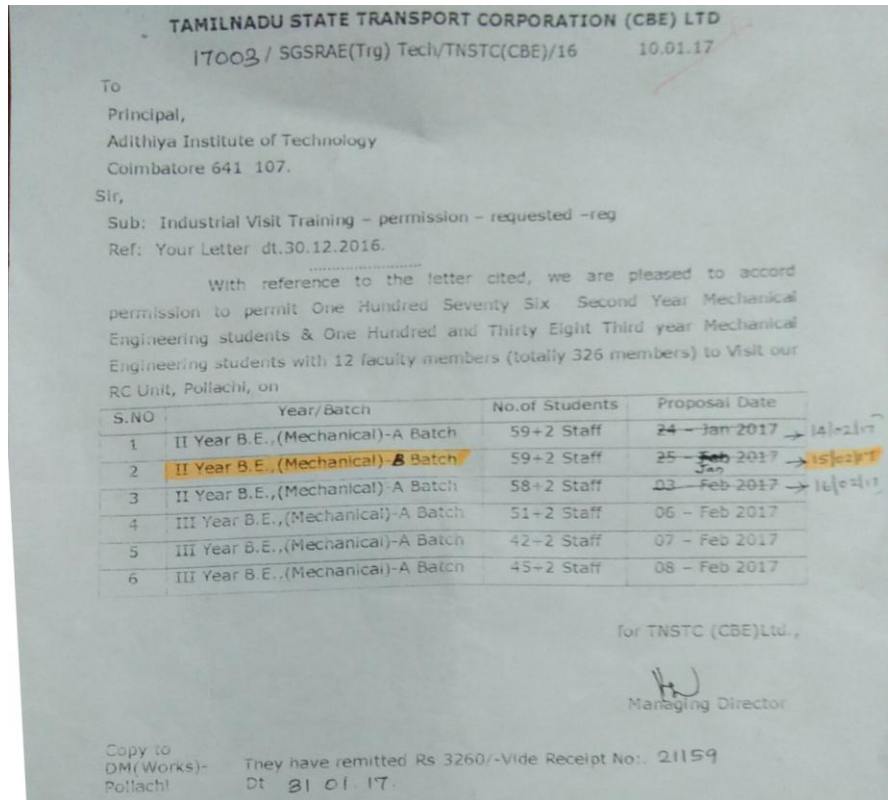
Student Appreciation at Civil Department for External Event Participation



Student Appreciation at Civil Department for External Event Participation



Student Appreciation at Civil Department for External Event Participation



Industrial Visit Training program for Students

Overview

5.1 Student Mentoring and Support

Adithya LMS plays the major role in supporting our student's academic activities and also value added courses covered in SDT makes the student feel confident to face the outside world

5.2 Student Progression

Our students are working in some reputed companies like Infosys, Wipro, Cape Gemini, MaxVal and IBM. Also a few students have turned out to be a successful entrepreneur.

5.3 Student Participation and Activities

Student's participation is good in various club activities and students equally give importance to sports and cultural activities in addition to their academic work.

CRITERIA VI

**GOVERNANCE, LEADERSHIP AND
MANAGEMENT**

CRITERIA VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Vision:

To create Engineers and Managers with necessary skills and values for their career and life.

Mission:

To transform students through a systematic teaching-learning process, providing skill development training, practical exposure and imparting values of life during their period of study.

Quality Policy

Committed to transform students into successful Engineers and Managers through a Systematic teaching-learning process with continuous improvement by providing skill development training and practical exposure and imparting values of life during their period of study.

Objectives

- A well documented, transparent system for whole of the Teaching and Learning Methodology
- Centre of Excellence in different knowledge domain of engineering
- Recognized research carried out in targeted areas
- A strong framework helping entrepreneurial skill development
- Forum to impart moral values of life

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

Chairman

- The Chairman guides the Overall administration of the college towards the achievement of the Vision and Mission of the College.
- Chairman plans for initiation of new courses, increase in the student's intake, all capital investments, development of infrastructure and other important facilities required from time to time.

Principal

- The Principal is the head of both academic and administrative bodies.
- The Principal makes recommendations for the future development of the institution to the Chairman.
- He monitors progress of all the academic activities and ensures execution of all curricular requirements as per university guideline and norms.
- Conducts regular meeting with Heads of the Department related to teaching learning process, co-curricular, extra-curricular activities & other departmental requirements to review and implement strategies for the improvement of the existing practices.
- Suggests to management on initiation of new courses, faculty recruitment, and upgradation of existing infrastructure facilities.
- The Principal acts as the chief warden of the hostel students.

HoD

- Responsible for the overall functioning of the department.
- Based on the specialization of the faculty members HoD makes the subject allocation.
- Supervises the Proper conduct of internal assessment tests and students performance.
- Periodically reviews all academic activities and sends a copy of the review to the Principal.
- Plans and monitors the conduct of all Seminars, Conferences & Workshops.
- Interacts with industries in arranging In-plant training, guest lectures, and industrial visits and facilitates placement.
- Review the observations made in Tutor Ward meeting and solutions offered to whatever possible issues.

Faculty

- Discharge all the duties and responsibilities assigned by the Principal and Head of the department from time to time.
- Prepare Lesson Plan, Session Plan, Class notes, Quizzes for each Session & Upload the Same in Adithya Learning Management System.

- Handle the classes with complete preparation and also conduct laboratory classes.
- Counsel the students, identify their difficulties in learning and guide them to improve their performance.
- Periodically conduct Tutor Ward Meeting to observe from the students the grievances and other requirements on academic and personal grounds.
- Periodically conduct Class committee Meeting for the improvement of academic scenario.
- Guide student's co-curricular activities and encourage their participation in extracurricular activities.
- Publish their research papers in reputed journals.
- Associate with all departmental and institutional activities like arranging and organising guest lectures, industrial visits, seminars and workshops.

6.1.3 What is the involvement of the leadership in ensuring?

The policy statements and action plans for fulfillment of the stated mission

- Creation of the various policy statements by the Principal in consultation with the Chairman and his directions.
- The Principal Conduct weekly meeting with HODs and convey the policies and discusses the ways by which the policies can be integrated into the academic activities.
- HODs in the departmental meetings explain the policies for the implementation of the same with desired outcome by the faculty.

Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

To achieve the Vision and Mission of the institution, the top management makes action plans to introduce new infrastructural facilities, center of excellences, R&D facilities etc. They also introduce action plan for the career growth of the faculty and students. The plans are discussed in the Governing council and suggestions by the members also taken into account.

Interaction with stakeholders

- Chairman Conducts meeting with HoDs and the student representatives from each class regarding academic improvement, placement, Infrastructure, extra Curricular activities etc.,

- The Principal makes sure that the various stakeholders are in touch with the institution.
- The Principal convenes meetings with HoDs, Faculties and students taking feedback areas needing improvement.
- Once in a semester Parents are invited to meet the Class Advisor and the HoD to get to know about their wards' academic performance, career growth etc.,.
- Head of the Department organizes meeting with the student representatives from each class in a semester, regarding academic, placement, co curricular and extracurricular activities.
- Class committee meetings with students are conducted thrice in a semester to know the teaching-learning process & Students Feedback.
- Alumni's meeting is organized once in a year to obtain information from alumni and feed back about the employability of the students.

Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders

- Top Management through the Principal supports for policy and planning by identifying the needs like infrastructure, faculty requirement etc. as and when needed through the HODs.
- Principal receives various informations through mail and letter from Anna University and AICTE and makes necessary amendments in the policy and are implemented accordingly.
- Training and Placement cell is empowered to interact with various stakeholders to design and implement programmes required to improve the placement record.
- Facilitates fee waiver for financially weak students.
- Faculties are encouraged to takeup research in their field of choice with an aim of providing career growth to them. They are also encouraged to publish their researchwork in reputed journals.

Reinforcing the culture of excellence

The culture of excellence is sustained by the best practices of the college such as

- Preparing specified plan for all activities such as academic, sports, cultural etc.

- Encouraging the students to takeup competitive examinations like GATE, IAS, TANCET etc.
- Students are also encouraged to pursue higher studies both in India and Overseas.
- Students are constantly encouraged to become entrepreneurs in their Potential area of business.
- Establishing research centers and promoting interest in research among faculty and students.
- Providing Placement Training for Pre Final Year & Final Year Students.

Champion organizational change

- To increase the number of students placement in core companies.
- To motivate the students to become Entrepreneurs.
- Improving the brand image of the institution.
- Obtaining approval for more number of Centre of Excellence.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

The Head of the institution

- Conducts meetings with the HODs periodically regarding curriculum, class routine, Internal Assessment test, model test and University examinations
- Feedback and appraisal system for faculty.
- Obtaining periodical feedback from students.
- Reviews the maintenance of laboratory and other facilities and works out plans for further improvements.
- Organizes guest lectures for students to improve their technical skills.
- Organizes motivational talks for the students.
- Encourage students and faculty to participate and present papers and projects in National and International Conferences/ Journals.
- Addressing the issues faced by students through the grievance Redressal committee.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

The institution believes in providing academic leadership to the faculty members at various levels which includes presence of faculty as members in various committees.

- The Principal as the Head of the Institution is responsible for the Academic and Administrative affairs.
- Various committees constituted accordingly for specific purposes are Research Committee ,Examination Cell, Library Advisory committee, Staff Selection committee, Entrepreneurship Development Cell, Training and Placement, Grievance Redressal Committee ,Anti-Ragging Committee, Admission Committee, Disciplinary Committee, Convenors for Seminars, workshops, National / International Conferences, NSS cell, YRC cell and other committees for College Day, Graduation Day & Sports Day,etc.
- In the meetings of the above mentioned committees the faculty members give suggestions based on their observation for further improvement.
- The faculties as part of the committee are given authority to execute and accomplish the task expected out of their responsibility.
- The faculty members are provided with the authority and responsibility to complete their academic work with an effective manner.

6.1.6 How does the College groom leadership at various levels?

At Student Level:

- Class representatives and class committee members.
- Student Placement co-ordinator, Representatives for Hostel and mess.
- Conduct of student centric college events like conferences, cultural, sports etc.
- Involvement and coordination roles to students in all Club/Committee/Association activities.
- Organization of community services through NSS, YRC,etc.

At Faculty level:

- As class advisors, tutors, Lab-in-charge, coordinators for various clubs, cells and chapters, time table in-charge, placement coordinator monitors daily activities.

- Organizing industrial visits and workshops
- Planning and execution of several department activities.
- As coordinators for AICTE & Anna University Affiliation Process.
- Organizing College Day, Graduation Day, Sports Day and other functions, jury members and judges for various events.
- Authority to take up academic and student related activities.

As Head of the Department:

- Planning, implementation and monitoring of various activities for growth and improvement of the department.
- Heads all the administrative and academic activities of the department and other committees mentioned earlier.

As Principal:

- Heads all the academic and administrative activities of the Institution.
- All the faculty members are involved in all the activities of the College. The senior faculty members are selected as conveners of various committees. Various co-curricular and extra-curricular activities are conducted under the guidance of faculty members with student representatives.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system?

The institution believes in promoting a culture of decentralized governance system.

- Chairman empowers the Principal in all the academic and administrative activities of the Institution.
- The Head of the Department has the authority in deciding the activities and allotting the responsibilities to all faculties in respective departments.
- The department decides on timetable, subject allocation, purchase and maintenance of equipment and consumables, organizing guest lectures and workshops and recommends necessary industrial visits, in-plant trainings, signing of MoUs with Industry.

- Faculty members who head various committees execute their assigned activities.
- Students have autonomy in selection of electives, organizing department associations and college functions.

6.1.8 Does the College promote a culture of participative management? If “yes”, indicate the levels of participative management.

Yes. The college promotes culture of participative management which facilitates faculty and students to give their views and suggestions for improvement.

At Student Level:

Avenues for participative management for the students are provided at various places during tutor ward meeting, class committee meeting, hostel representatives meeting, all college and departmental events.

At Faculty level:

All academic and administrative activities are decentralized and decisions are taken based on discussions in class committee meetings, department meetings, HODs meeting with Principal.

As Head of the Department:

Discussion / Meetings for policy making with chairman ,Continuous Internal Assessment issues, Participative management allows cooperation with departments and thereby improves the quality of planning and implementation of all the activities in the institution.

As Principal:

- The Principal coordinates with department, heads administration and management teams.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes, the quality policy of the institution is

- Committed to transform students to a successful Engineers and Managers through a Systematic teaching-learning process with continuous improvement by providing skill development training and practical exposure and imparting values of life during their period of study.

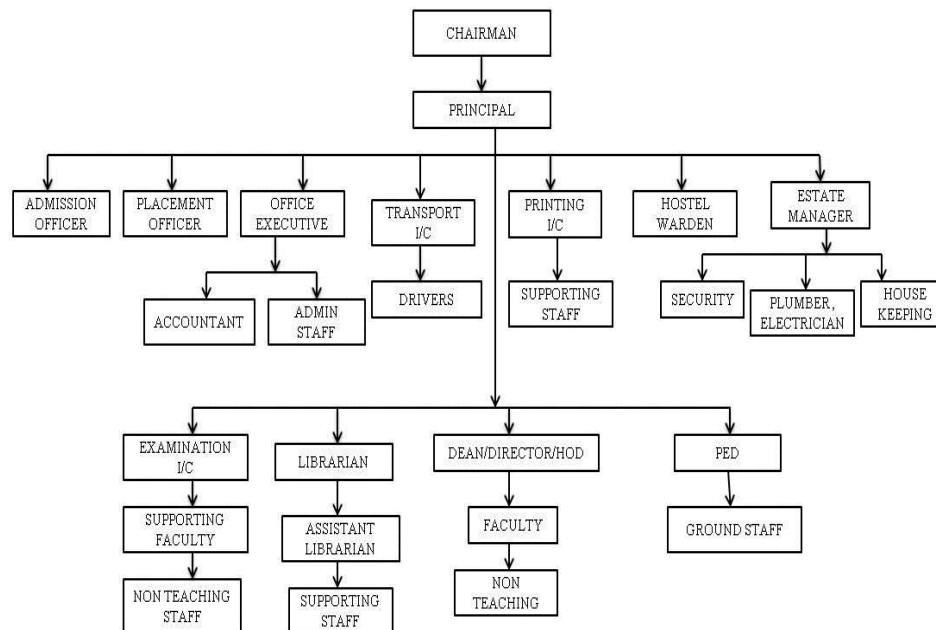
- This policy is developed by the top management in line with its vision and mission and after consideration of needs of the society. The quality policy is effectively communicated to all through notice boards, placards, college website and Adithya LMS.
- All the activities are driven by the quality policy and are closely monitored. The various performance indicators like pass percentage, research, placements, achievements in cocurricular activities of students and the achievements of the faculty are analyzed and reviewed.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

The institution plans the expansion and upgradation of infrastructure, modernization of existing facilities, research and development and addition of new courses.

- To Encourage Student Centric Learning and achieve a Platform in respective area of expertise in real life.
- Promote Industry Integrative and Participative Skill Development practices.
- Promote Culture Of Research by inculcating participative learning approach.
- Putting Students in Fore Front in All Academic/Para Academic Initiatives and build their Self-Confidence to face such issues in real life.
- NAAC Accreditation.
- Establishing PG courses in all departments.
- Creating Centre of excellence for all departments.
- Improving Consultancy activities

6.2.3 Describe the internal organizational structure and decision making processes.



Governing Council:

This Committee consists of the chairman, other members of the Trust, educationists, industrialists and other notable persons nominated by the trust, University nominee and nominee of the Director of Technical Education and the teacher representatives of the college. The Principal is the member secretary of the Governing Council.

Members of the Governing Council is given below

1. Mr.C.Sukumaran – Chairman
2. Mrs.C.Parimala – Member
3. Mr.T.Nagarajan – Member
4. Mr.T.R.Marannan – Member
5. Mr.R.Ravichandran – Member
6. Mr.R.Elangovan – Member
7. Dr.M.Guruswamy – Member
8. Mr.N.Saravanabhavan – Member

9. Dr.N.Kathiravan – Member Secretary
10. AICTE Nominee
11. University Nominee
12. Prof. Dr.N.Chitra Devi – HoD – CSE & IT
13. Prof .Dr.D.Suji – HoD -Civil
14. Prof .Dr.A.Rajendran – Dean – Electrical Sciences
15. Prof .Mrs.Sudharani – HoD – S & H
16. Prof .Dr. K.Senthilkumar – HoD – Mech
17. Prof Dr.C.Karthikeyan – Director – MBA

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

Teaching & Learning

The Management ensures effective and efficient teaching learning process by:

- Encourage Application based and Participative based learning by increasing interactive labs, special labs, CASE BASED solving, Critiquing, Work Shops on Aptitude Development, Seminars and Conferences.
- Adithya LMS platform to support analytical learning, Continuous and Intermittent learning, Interactive Platforms for Student and Subject Expert.
- Routine Class Lectures supported by Specialist Guest Lecture on Important application areas of the subject.

Research & Development

- The institution has, The Anna University recognized research centers to conduct PhD programmes in Mechanical & ECE.
- Research Committee is framed to guide research activities.
- Faculties are encouraged to upgrade their qualifications.
- Necessary support to attend seminars, conferences, workshops, invited lectures and research activities.
- Motivates the students and faculties to request for grants for their research.

- Journals, reference books, internet, lab facilities are made available to faculty and students.
- Provides 6 days on duty per year for faculties to pursue their higher studies.

Community Engagement

- Various units of the College like NSS, YRC organizes outreach programs to enable the students to respond to the larger issues of society. Faculty and students are actively involved in community services such as Clean India, Tree Plantation programs, etc.

Human Resource Management

The institute has a very good mechanism for assessing required human power requirements, staff recruitment, monitoring and planning professional development programmes and obtaining feedbacks.

- Teaching and non-teaching manpower requirements are identified by the respective HODs and informed to the Head of the institution.
- All the requirements are scrutinized and posted for News Paper advertisement.
- Applications are scrutinized based on the merit of the applicant satisfying the college and university norms.
- The shortlisted applicants attend the interview before the selection panel comprising of Chairman, Principal, HODs and an eminent professor.
- The recruitment procedures, service rules and promotion policies are made transparent and employees are benefitted with CL and EPF.
- Providing a better teaching-learning environment in the institution.
- Providing financial support and on duty to the faculty for attending seminars, conferences, workshops, invited lectures and research activities.

Industry Interaction Cell

- Students are sent for internship programmes in the relevant industries of their domain, thus exposing and preparing them to meet the real time requirements in the industry.
- For every Industrial Visit a brief Report is collected from the students on the immediate day of the Visit.

- Students are permitted for Industrial visit and to undergo in-plant training in industry.
- Students are permitted to do their project work in industry.
- Signing of MoUs with the industry.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

- The Chairman Visits the college regularly and holds discussion with the principal, HoDs and a few faculty through which adequate information are passed on to the top management.
- The chairman gathers inputs and advice from members of governing council for academic and other areas as well.
- The Chairman also personally takes feedback from the parents.
- Every Year Chairman meets all the students in groups to get to know more information about the activities carried out by the departments.
- The consolidated information obtained through the online feedback given by the students are also passed on to the chairman for his further actions.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The Management encourages the faculty to takes up positions in various academic activities and administrative committees of the institution.

- The Management has given academic freedom for the Principal in teaching learning process, Research and consultancy activities, faculty recruitment and welfare schemes.
- Updating computational facilities by upgrading computers and internet access.
- The management provides funds for co-curricular and extra-curricular activities.
- Encouraging faculty to undertake R&D and consultancy work
- The management encourages faculty for attending FDP / Conferences/ Workshops / Seminars in their field of specialization

- Faculty those are pursuing higher studies are granted on duty leave.
- Facilities are provided to Non-teaching staff to undergo part time studies

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Yes, the management council has been making a few resolutions every year.

The resolution made last year and its implementation status are given below

- Faculty publication has improved significantly.
- Improvement of student's placement in companies - it has increased to 393 offers.
- Improvement of the ambience for the student comfort – Open air stage, beautification of the campus, attractive pathway, facelift of reception area, Sitting facility for students have been created.
- To carry on with the existing courses – Applied to AICTE for approval.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

Not Applicable for our institution.

6.2.9 How does the Institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

- The Institution has a Grievances Redressal Committee to look into the grievances of students.
- Students address their grievances and complaints through tutor ward meeting, class committee meeting and also record in the grievance note book available in the college library kept for this purpose. All the grievances and complaints are attended and resolved promptly.
- Chairman also convenes a meeting with all the students once in a semester for their grievances and issues. Later the grievances are consolidated and remedy / solutions are informed to the students.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

No court cases have been filed by and against the institution since inception.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If ‘yes’, what was the outcome and response of the institution to such an effort?

Yes. The institution collects periodical feedback from students, regard to teaching learning process through Adithya LMS at the end of every semester.

- To collect the student feedback from tutor ward meeting and HOD meetings.
- Once in a year chairman meet the students, interact with them, takes feedbacks and suggestions.
- The collected feedback and suggestions are analyzed and all feasible solutions are implemented and notified to the students.
- Faculties are given suggestions to improve the quality of their teaching.
- Organized programmes to improve the skills of students.
- Formation of student activity oriented clubs and programmes are initiated (Melodia club, Photography club, Eco Club, Rotract Club)

6.3 Faculty Empowerment Strategies

6.3.1 What efforts are made by the College to enhance the professional development of teaching and non teaching staff?

Teaching Staff:

- Financial Assistance for journal publications.
- Faculties are encouraged to pursue PhD programme through part time mode both through internal and external mode.
- The faculties who have registered for PhD programme are permitted to take up course work subjects from the respective department at free of cost.
- Deputed to attend important events like FDP, Seminars, Workshops, Training, and Conferences etc.

- Members in various committees wherein they are encouraged to participate and provide suggestions for better execution of that activity.
- Industry exposure during industrial visit, through interaction with industry experts during workshop and seminar.
- Leadership training for HoDs through Wipro Mission 10X Leadership programme.
- Training on better teaching-learning methodologies through Wipro Mission 10X Workshop.
- Mentoring initiatives by inviting subject experts.
- Academic content auditing by the subject experts.
- Organizing FDPs, Seminars, Guest Lectures etc., for faculty.
- Carrying out consultancy work with industry.

Non teaching staff:

- Encouraging technicians to do their higher studies.
- Training related to CNC machine operations, networking, and server maintenance.
- Trained to monitor some of the activities of professional exams conducted by third party in the institution.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

- Micro Teaching & Teaching pedagogy workshops for Existing & Newly joined Faculties.
- In the beginning of the Academic year training to operate Adithya LMS is provided to all new joiners by the CLIDAR Members.
- Institution encourages conducting workshops for effective conduct of theory and laboratory sessions.
- Eminent Professors from reputed institutes and Industry experts train the faculty members on effective learning methods.
- Awards are given for best performing teachers.
- Institution promotes research attitude among faculty members.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

Faculty Performance appraisal system is in force to evaluate the performance of a faculty in wide spectrum of activities like course handled (pass percentage), staff growth (paper publications, patents filed etc.), extension activity coordinators (NSS, YRC, Sports etc.), Department administrative contributions etc. The details of the above are collected by Self Appraisal Report from all the faculties once in a Year.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

- Management is seriously reviewing the faculty appraisal form and following benefits are accorded.
- Consideration for promotion, increments and other fringe benefits and awarded merit certificates and prizes which motivate them to further improve their performance.
- Encouragement for self-development programs.
- Management come to know about the technical and administrative capabilities of a few faculties and this will pave way for the management to entrust with new and challenging assignments for them.
- Major decisions taken by the Management for performance improvement are communicated in staff meetings and department meetings.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

Various welfare schemes are provided for the benefit of teaching and non-teaching staff in the institution.

- Vacation leave, medical leave, Casual Leave, Permission, Trading of Leaves, PF for all faculty and staff members.
- Maternity leave provided to teaching staff.
- On duty Leave for Faculty attending as an external examiner for university examinations, University Practical's and AUR Activities.
- Free transport for non-teaching staff and teaching staff.

- On duty leave for Faculty pursuing Doctorate and for attending DC Meetings.
- All the faculty and staff eligible for the schemes have availed of the welfare schemes.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

Institution always recognizes and retains the talented faculty members with the following attractive measures for better career prospectus.

- Additional responsible roles in statutory and non-statutory bodies related to Governance and administration of the institution.
- Honorarium for journal publications.
- Recognition for academic performance.
- Better Increments in salary.
- Independent responsibilities for executing activities of specialized task.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of financial resources?

- Annual Budget for the institution is prepared at the beginning of the year, considering the anticipated income and projected expenditures involved.
- Department Budget requisition is prepared by the respective Heads of the Department.
- The budget submitted by the HODs is carefully scrutinized by the Principal and It is forwarded to the Chairman for Final approval.
- Further Accounts department issues the necessary advance amount for the conduct of events to the respective Departments then and there.
- After the conduct of Events a detailed income and expenditure report is prepared with necessary supporting documents, bills and submitted to the Accounts Department through the principal for scrutinizing.
- Any unused amount is returned to the accounts department.
- Once in a year an audited financial statements including Income and Expenditure details, Balance Sheet etc. are prepared by a qualified External auditor helped by a team of his members.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

Statutory auditing is done at the end of each financial year by the external auditor. No objectionable component was found during the audit.

6.4.3 What are the major sources of institutional receipts/ funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/ corpus available with Institutions, if any.

The institution is a self financing college and hence the source of income is through the Fee paid by the students for his period of study.

<p style="text-align: center;">Adithya Institute of Technology SF No. 348/1, Kurumba Palayam Colombatore Income and Expenditure for the year ended 31.03.2013</p>								
31.03.2012	To	Expenditure	Amount	31.03.2013	31.03.2012	By	Income	Amount
		Establishment Expenses			6,97,66,600.00	By	Tuition Fees	8,02,45,350.00
15,14,769.06	"	AICTE - Delhi	2,30,044.94		1,42,02,003.00	By	Other Income	1,38,09,000.00
10,15,075.00	"	Anna University - CBE	2,00,000.00		1,16,393.00	By	Interest received	9,30,434.00
38,90,303.00	"	Anna University - Exam fees	-		20,55,905.00	By	Miscellaneous Income	36,84,280.00
1,26,737.00	"	Advertisement	8,97,598.00	13,27,642.94	1,31,76,000.00	By	Hostel Receipts	1,69,16,150.00
		College Departmental Expenses						
4,13,854.00	"	Lab consumables		1,98,295.00				
		Salary Bonus and Welfare expenses						
1,41,64,209.00	"	Staff Salary	1,89,63,152.00					
20,53,372.00	"	Other Staff salary	39,34,924.00					
7,51,317.00	"	EPF	10,81,699.00					
16,67,112.00	"	Students and staff welfare expenses	36,97,572.00	2,76,77,347.00				
		Hostel Expenses		66,48,794.00				
63,07,822.00								
		Administrative Expenses						
23,10,240.00	"	Electricity Expenses	38,56,230.00					
34,522.00	"	Bank charges	14,679.00					
48,738.74	"	Bus - Interest						
3,05,337.00	"	Travelling Expenses	3,32,389.00					
16,09,548.00	"	Printing and stationery	9,93,080.00					
1,36,830.00	"	Licences and Taxes	3,47,533.00					
	"	IAS coaching expenses	22,72,080.00					
4,92,176.00	"	Postage and Telephone expenses	1,11,417.00					
2,18,941.00	"	Other Expenses	1,59,042.00					
2,29,424.00	"	Internet Expenses	4,34,492.00	85,20,942.00				
		Repairs and Maintenance						
4,57,423.00	"	Computer Maintenance	2,44,626.50					
12,67,850.00	"	Generator Maintenance	23,43,785.00					
19,70,734.00	"	Vehicle Maintenance	34,29,210.80					
18,70,408.00	"	General repairs and Maintenance	10,47,538.00					
1,67,785.00	"	College & Office Maintenance	1,30,915.00	71,96,075.30				
		Depreciation		51,11,664.29				
27,92,064.50								
5,35,00,309.70	"	Excess of Income over Expenditure		5,89,04,453.47				
9,93,16,901.00				11,55,85,214.00	9,93,16,901.00			11,55,85,214.00

Date : 27.09.2013
Place : Colombatore

As per Our Report of Even Date Attached
For Bakthavachalam & Co.,
Chartered Accountants
Firm Reg. No:0060665

R. Bakthavachalam
(Partner)
M.No:029787

For Adithya Education Trust
For ADITHYA EDUCATION TRUST
C. Sukumaran
Managing Trustee **Managing Trustee**

Adithya Institute of Technology SF No. 348/1, Kurumba Palayam Coimbatore Income and Expenditure for the year ended 31.03.2014								
31.03.2013	To	Expenditure	Amount	31.03.2014	31.03.2013	By	Income	Amount
230,044.94	"	Establishment Expenses			80,245,350.00	By	Tuition Fees	103,604,338.00
200,000.00	"	AICTE - Delhi			13,809,000.00	By	Other Income	5,977,807.80
	"	Anna University - CBE			930,434.00	By	Interest received	2,977,314.00
	"	Anna University - Exam fees	4,988,659.00		3,684,280.00	By	Miscellaneous Income	42,738.00
897,598.00	"	Advertisement	446,869.00	5,435,528.00	16,916,150.00	By	Hostel Receipts	20,013,182.00
	"	College Departmental Expenses						
198,295.00	"	Lab consumables		153,780.54				
	"	Salary Bonus and Welfare expenses						
18,963,152.00	"	Staff Salary	3,070,500.00					
3,934,924.00	"	Salary to Workers and others	29,631,921.00					
1,081,699.00	"	EPF	1,100,209.00					
3,697,572.00	"	Students and staff welfare expenses	281,387.00	34,084,017.00				
	"	Hostel Expenses		10,736,065.50				
6,648,794.00	"	Administrative Expenses						
3,856,230.00	"	Electricity Expenses	5,529,438.00					
14,679.00	"	Bank charges	7,334.00					
332,389.00	"	Travelling Expenses	645,391.00					
993,080.00	"	Printing and stationery	1,929,864.50					
347,533.00	"	Insurance, Licences and Taxes	385,456.00					
2,272,080.00	"	Traning programme expenses	2,561,119.00					
111,417.00	"	Postage and Telephone expenses	100,709.00					
159,042.00	"	Other Expenses	2,416,566.46					
	"	Security service charges	928,437.00					
434,492.00	"	Internet Expenses	614,320.00	15,118,634.96				
	"	Repairs and Maintenance						
244,626.50	"	Computer Maintenance	785,963.00					
2,343,785.00	"	Generator Maintenance	25,660.00					
3,429,210.80	"	Vehicle Maintenance	4,346,724.30					
1,047,538.00	"	General repairs and Maintenance	1,368,589.00					
130,915.00	"	College & Office Maintenance	2,396,285.00	8,923,221.30				
	"	Depreciation		5,702,166.11				
5,111,664.29	"	Excess of Income over Expenditure		52,461,966.39				
58,904,453.47	"							
115,585,214.00				132,615,379.80	115,585,214.00			132,615,379.80

Date : 30.09.2014
Place : Coimbatore

As per Our Report of Even Date Attached
For Bakthavachalam & Co.,
Chartered Accountants
Firm Regn No 006065
R. Bakthavachalam
(Partner)
M.No:029787



For Adithya Education Trust
For ADITHYA EDUCATION TRUST
C. Sukumaran
Managing Trustee

Managing Trustee

<p style="text-align: center;">Adithya Institute of Technology SF No. 348/1, Kurumba Palayam Coimbatore Income and Expenditure for the year ended 31.03.2015</p>								
31.03.2014	To	Expenditure	Amount	31.03.2015	31.03.2014	By	Income	Amount
		Establishment Expenses			10,36,04,338.00	By	Tuition Fees	9,37,97,119.30
49,88,659.00	"	Affiliation Charges	3,00,000.00		59,77,807.80	By	Other Income	1,03,21,250.00
4,46,869.00	"	Anna University - Exam fees	20,54,614.00		29,77,314.00	By	Interest received	21,01,723.00
	"	Advertisement	11,57,116.00	35,11,730.00	42,738.00	By	Miscellaneous Income	32,53,812.00
					2,00,13,182.00	By	Hostel Receipts	2,67,57,480.00
		College Departmental Expenses						13,62,31,384.30
1,53,780.54	"	Lab consumables		8,71,290.00				
	"	Donation given		54,26,606.00				
	"	Salary Bonus and Welfare expenses						
30,70,500.00	"	Staff Salary	4,54,58,975.00					
2,96,31,921.00	"	Salary to Workers and others	10,57,210.00					
11,00,209.00	"	EPF	31,00,690.00					
2,81,387.00	"	Students and staff welfare expenses	9,12,016.00	5,05,28,891.00				
1,07,36,065.50	"	Hostel Expenses		94,22,555.00				
		Administrative Expenses						
55,29,438.00	"	Electricity Expenses	40,49,698.00					
7,334.00	"	Bank charges	18,460.00					
	"	Interest on vehicle loan	3,49,180.00					
6,45,391.00	"	Travelling Expenses	3,27,842.00					
19,29,861.50	"	Printing and stationery	12,97,025.00					
3,83,456.00	"	Insurance, Licences and Taxes	8,20,942.00					
25,61,119.00	"	Training programme expenses	50,49,306.00					
1,00,709.00	"	Postage and Telephone expenses	87,503.00					
24,16,566.46	"	Other Expenses	16,01,363.00					
9,28,437.00	"	Security service charges	18,28,861.00					
6,14,320.00	"	Internet Expenses	10,70,596.00	1,65,00,776.00				
		Repairs and Maintenance						
7,85,963.00	"	Computer Maintenance	3,55,090.00					
25,660.00	"	Generator Maintenance	18,951.00					
43,46,724.30	"	Vehicle Maintenance	54,67,253.10					
13,68,589.00	"	General repairs and Maintenance	9,16,744.00					
23,96,285.00	"	College & Office Maintenance	16,45,148.00	84,03,186.10				
57,02,166.11	"	Depreciation		69,92,963.46				
5,24,61,966.39	"	Excess of Income over Expenditure		3,45,73,386.74				
13,26,15,379.80				13,62,31,384.30	13,26,15,379.80			13,62,31,384.30

Date : 30.09.2015
Place : Coimbatore

As per Our Report of Even Date Attached
For Bakthavachalam & Co.,
Chartered Accountants
Firm Reg. No. 060665

R. Bakthavachalam
Partner
M.No.029787



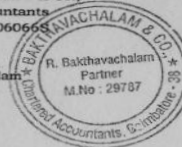
For Adithya Education Trust

C. Sukumaran
Managing Trustee

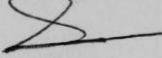
<p style="text-align: center;">Adithya Institute of Technology SF No. 348/1, Kurumba Palayam Coimbatore</p> <p style="text-align: center;">Income and Expenditure for the year ended 31.03.2016</p>									
31.03.2015	To	Expenditure	Amount	31.03.2016	31.03.2015	By	Income	Amount	31.03.2016
3,00,000.00	-	Establishment Expenses			9,37,97,119.30	By	Tuition Fees	8,24,60,172.00	
20,54,614.00	-	Affiliation Charges	5,50,000.00		1,03,21,250.00	By	Other Income	25,07,649.00	
11,57,116.00	-	Anna University - Exam fees	2,62,228.00		21,01,723.00	By	Interest received	10,52,728.00	
		Advertisement	16,79,322.00	24,91,550.00	32,53,812.00	By	Miscellaneous Income	34,12,150.00	
					2,67,57,480.00	By	Hostel Receipts	1,80,39,900.00	10,74,72,599.00
8,71,290.00	-	College Departmental Expenses							
54,26,605.00	-	Lab consumables		1,75,924.00					
		Donation given							
4,54,58,975.00	-	Salary Bonus and Welfare expenses							
10,57,210.00	-	Staff Salary	3,15,05,521.00						
31,00,690.00	-	Salary to Workers and others	36,07,580.00						
9,12,016.00	-	EPF	34,13,035.00						
		Students and staff welfare expenses	12,20,922.00	3,97,47,058.00					
94,22,555.00	-	Hostel Expenses		99,52,173.00					
40,49,698.00	-	Administrative Expenses							
18,460.00	-	Electricity Expenses	47,49,368.00						
3,49,180.00	-	Bank charges	21,251.00						
3,27,842.00	-	Interest on vehicle loan	1,42,618.00						
12,97,025.00	-	Travelling Expenses	2,81,036.00						
8,20,942.00	-	Printing and stationery	11,48,310.50						
50,49,306.00	-	Insurance, Licences and Taxes	5,61,299.00						
87,503.00	-	Traning programme expenses	43,99,649.00						
16,01,363.00	-	Postage and Telephone expenses	48,220.00						
18,28,861.00	-	Other Expenses	18,67,184.00						
10,70,596.00	-	Security service charges	19,55,311.00						
		Internet Expenses	72,256.00	1,52,46,502.50					
3,55,090.00	-	Repairs and Maintenance							
18,951.00	-	Computer Maintenance	2,69,716.00						
54,67,253.10	-	Generator Maintenance	18,537.00						
9,16,744.00	-	Vehicle Maintenance	38,81,214.00						
16,45,148.00	-	General repairs and Maintenance	9,23,677.00						
		College & Office Maintenance	23,22,632.00	74,15,776.00					
69,92,963.46	-	Depreciation		54,05,166.39					
3,45,73,386.74	-	Excess of Income over Expenditure		2,70,38,449.11					
13,62,31,384.30				10,74,72,599.00	13,62,31,384.30				10,74,72,599.00

Date : 30.09.2016
Place : Coimbatore

As per Our Report of Even Date Attached
For Bakthavachalam & Co.,
Chartered Accountants
Firm Regn No:006066
R. Bakthavachalam
Partner
M.No:029787



For Adithya Education Trust


C. Sukumaran
Managing Trustee

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any)..

The College is making various efforts in securing additional funding through

- Consultancy services.
- Workshops, Seminars, Conferences sponsored by funding agencies.
- Faculty are encourage to submit their research proposals to various funding agencies like DST,CSIR,ISRO,MOES,UGC, AICTE etc
- Revenue generated through renting the infrastructural facilities like examination halls, computer centers for various competitive exams conducted by other agencies.

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC)

a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If ‘yes’, what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

Yes, the College is having its IQA Cell. This Cell was established during 2nd January 2017 and functions on the basis of the guidelines set forth by NAAC.

- It works towards improving and maintaining the quality of education, identifying and suggestive new ways of using teaching aids and to developing suitable infrastructure
- Continuous feedback, Academic Audit, Feedback from alumni, industry, parents, students, experts and the community helps it to establish quality culture.
- The quality is maintained at every stage be it academics, administration, infrastructure etc.

b. How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?

Most of the decisions of the IQAC have been approved by the Management & the same is implemented.

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Though we do not have an external member as part of IQAC as of now we intend to include such experts in the future.

d. How do students and alumni contribute to the effective functioning of the IQAC?

- The students provide feedback on the teaching learning process regularly in the Class Committee meeting and Tutor Ward Meeting. The same is discussed in IQAC for necessary action.
- The Alumni of the institution provide valuable services to the college, giving their suggestion to the Management & also to the Current Students on-what is latest in the employment market, vacancy positions and etc..

e. How does the IQAC communicate and engage staff from different constituents of the institution?

- Members of the IQAC are drawn from each department at the level of Head of the departments and the senior faculty. Intimation through Mail and Minutes of the meeting members are communicated of the information and details.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.

Yes, the institution has an integrated framework for Quality assurance of the academic and administrative activities.

- The Operational procedures and activities are framed in such a way that the objectives as stated in the quality policy of the institution are fulfilled and hence the committee which is assigned with the responsibility of monitoring the functioning of the various departments and administrative arrangements as per the procedures takes care of the quality assurance.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

Yes. The faculty members are given an orientation towards the vision, mission and quality policy of the institution. They are also informed about the

various procedures to be followed, programmes to be conducted and the ways of achieving targets.

They are also guided by the Heads of departments whenever they have doubt or difficulties and thus it is ensured that objectives of the quality policy are met.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

Yes, Periodic internal quality audits are conducted on the academic processes.

For purpose of audit Teaching Learning Plans are prepared that gives a road-map towards planning lecture and fulfilling the requirements.

- If a gap is found in the teaching learning, extra lectures are planned clearly.
- Monitoring sheets helped the HODs monitor the lecture delivery.
- Since students are the important stakeholders have a copy of the Teaching Learning Plan, the entire procedure becomes transparent.
- People from the industry are invited to address students on the latest industry trends.
- Examination results are audited and based on result analysis; course teachers take remedial actions such as one-to-one tutorials or extra remedial classes.

6.5.5 How is the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/ regulatory authorities?

- The institution follows the norms laid down by regulatory authorities like UGC, AICTE and Anna University.
- No serious non conformity has been cited over the last few years, is a significant achievement.

6.5.6 What institutional mechanisms are in place to continuously review the teaching-learning process? Give details of its structure, methodologies of operations and outcome?

The mechanisms to continuously review the teaching learning process are:

- The College authority evaluates delivery effectiveness of teaching methods. The knowledge absorption / assimilation by students are also gauged suitable.
- Teaching plans are prepared for a term. The Syllabus is Split into Lesson Plan & Session Plan. The Class notes are prepared by the faculties and the same is uploaded in Adithya LMS. Questions along with answers & Quiz for each Session are uploaded to ensure the quality of teaching learning Process.
- These get verified / checked at different stages in accordance with syllabus and scheme of examination given by University.
- The teaching – learning process is facilitated through qualified, trained and experienced faculty
- Execution of all the skill development training are effectively monitored through a well developed, systematic procedure wherein the details about the content delivered, shortfall in the content delivered, objective met, attendance detail, remedial classes planned, evaluation criteria etc.,
- The effectiveness of teaching – learning process is reviewed on regular basis through Tutor Ward Meeting and Class Committee Meeting.
- The outcomes are improved and effective teaching learning process, skill development training, improved placements and more number of benefited students.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The College communicates its quality assurance policies mechanisms by various means for external & internal stakeholders like placing quality policy board at various places in the college premises, and also through the College Prospectus and Brochures , Newsletters , Notice Boards , Library, Alumni meets, Community engagement activities, Newspapers and Institution Website.

Any other relevant information regarding Governance Leadership and Management which the college would like to include

- The objectives are focused with conformity by aligning all actions of the departments to achieve said objectives towards the vision, mission and quality policy set by the management.
- Very clear and practicable quality improvement plans are thoroughly planned at the top level which includes the action plan with student

empowerment and faculty empowerment strategies, and are executed consistently at various levels as per the plan.

- The IQAC has been formed on 02.01.2017 in order to ensure quality practices in a systematic manner.
- The actions plans are the framework of quality circles in all departments with several faculties as member working for upliftment of the institution to the next levels.

CRITERIA VII
**INNOVATIONS AND BEST
PRACTICES**

CRITERIA VII INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

- While designing the infrastructure of the campus, every effort has been taken to provide as much green cover as possible. As per the plan of the architect, the landscaping for the campus has been carried out. Today, the campus has different varieties of grown up trees and plantation apart from a larger area covered with grass. Trees, plantation and grass are well maintained daily by gardeners. The well maintained clean and green campus is always appreciated by the visitors.
- The college has formed the following team of faculty who are part of the 'Energy Audit and Energy Management Club' to review, suggest, implement and improve the energy utilization in the campus.

Prof. R.Senthilkumar, Department of Electrical and Electronics Engineering

Prof.P.L.Navaneethakrishnan, Department of Mechanical Engineering

- As transport fee is waived off for the faculty they are encouraged to make use of the college transport facility which has led to saving in carbon emission.
- Rain water harvesting system has been implemented in the campus as an attempt to improve the ground water level.
- A high volume output 'Reverse osmosis' plant converts the bore well water into portable water.
- The outlet water out of the RO plant is stored and used for plantation purpose. No water is wasted.

7.1.2 What are the Initiatives taken by the College to make the campus eco-friendly?

- **Energy conservation**
- **Use of renewable energy**
- **Water harvesting**
- **Efforts for Carbon neutrality**
- **Plantation**
- **Hazardous waste management**

- **e-waste management**

Green campus

A Green Campus is a place where environmental friendly practices and education combine to promote sustainable and eco-friendly practices in the campus. The green campus concept offers in AIT, as the opportunity to take the lead in redefining its environmental culture and developing new paradigms by creating sustainable solutions to environmental, social and economic needs of the mankind.

Energy conservation

Indian Association of Energy Management Professionals (IAEMP) is a group of highly qualified, committed and dynamic conscience keepers to nation on energy matters. IAEMP has energy professionals thriving for a sole objective of working towards making India Energy Independent by 2022.

AIT-IAEMP student's chapter had been inaugurated on January 27th & 28th 2017 with 35 students & 02 faculty members. Based on the review of previous Electricity Bills of the colleges & as a first measure the student members of AIT IAEMP team is collecting the data of Electrical Consumptions in all variants to calculate the power consumed as per the requirement is in progress

- All the class rooms are very well ventilated with sufficient lighting, which helps in avoiding the use of fans and lights most of the times.
- The construction of buildings are such that which permits large space between them hence good ventilation is guaranteed
- Students, Staff and Faculty are repeatedly advised to switch off Lights Fans and other electrical loads when not required.
- Care has been taken to stagger the laboratory slots to avoid heavy electrical consumption.
- To have a better power factor and relatively less current consumption, we have switched over to HT line from LT line.
- All tube lights have been progressively replaced with CFL bulbs and further are replaced with LED light in the coming years to save electricity. We are proud to declare that the campus is free of incandescent bulbs.
- All buses have been fitted with speed governors to maintain optimum speed and to save fuel.

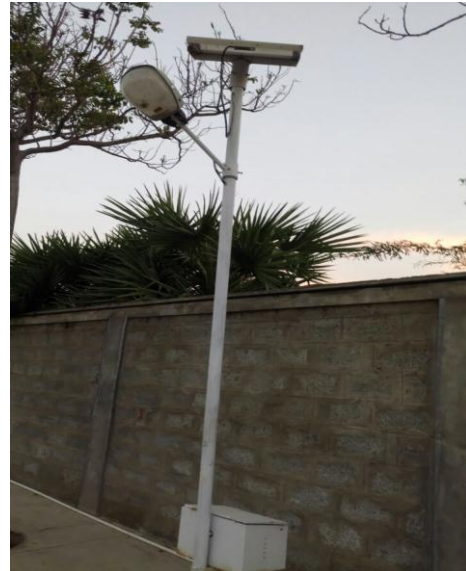
- Steam cooking is facilitated in preparation of food in the mess.
- UPS have been installed separately in every building. This has led to saving in consumption of surge current.

Use of Renewable Energy

The campus is installed with a 11 kw On-grid Solar system using PV cell. The on -grid system generates about 50 units of electricity on an average on a moderate sunny day which partially augments the need of electricity in the campus. So far it has generated 39,217 kwph units of electricity since inception. The institution also has a 0.5 kw Off –grid solar system which explains the electrical energy storage through batteries.



11 kW “On-Grid” Solar energy harvesting system



13 nos. of solar street lights are installed in the campus

Water harvesting

All buildings have provision for rain water harvesting. The rainwater percolates into the soil and improves the ground water level

Rain Water harvesting details

Common rain water harvesting pit is installed for Academic Block, Main block & South Block located at near generator room



Rain water harvesting pit at in front of M-Block

Common rainwater harvesting pit is installed for Workshop Block & North Block located at behind the Workshop Block



Rain water harvesting pit at behind the Workshop Block

Common rainwater harvesting pit is installed for Boys Hostel Block, Canteen, Mess & Girls Hostel Block located in front of Boys hostel



Rain water harvesting pit at in front of boys hostel

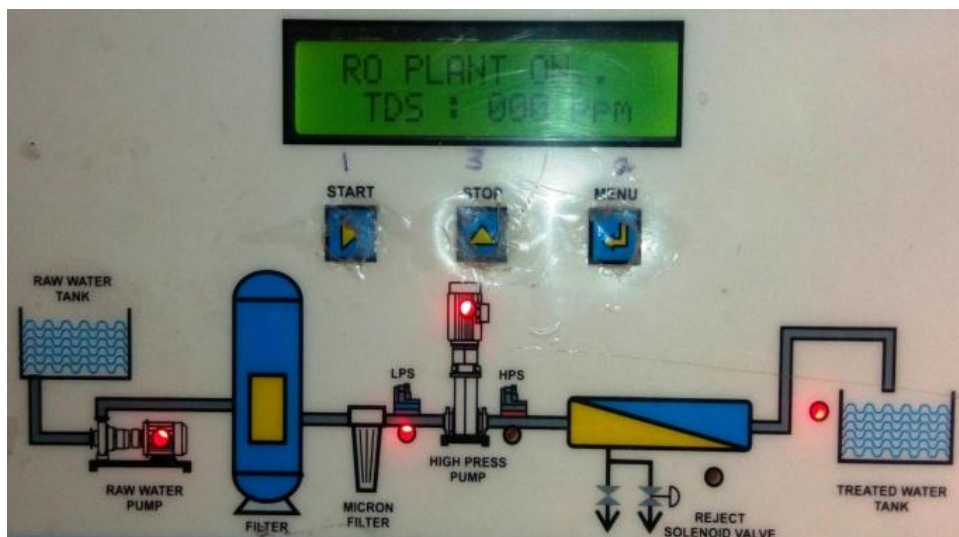
Efforts for Carbon neutrality

- The College community is aware of its civic responsibility in maintaining carbon neutrality in the campus.

- Car and Bike parking area is provided near the main gate of the campus, hence vehicle movement inside the campus is very much limited and hence the emission.
- On grid solar system and Solar Lamps have been installed inside the campus.
- Emission Checks are done periodically on the college buses to keep emission levels under control.
- Steam cooking is used for cooking foods in mess.
- Efforts in the direction of achieving carbon neutrality include:
- Planting saplings in the campus periodically
- All the plantations are well groomed and maintained

Plantation

- To have a green environment in the campus, a elegant landscaping has been carried out with the help of architect. As part of the initiative from Eco club, saplings have been planted.
- Many trees of different varieties ,flora and fauna within the campus provide adequate green cover
- Campus is neatly covered with lush green landscape



RO Plant control pannel



A view of RO Plant



A view of RO Plant



A view of RO Plant



A view of lawn



A view of lawn and groomed plants

Hazardous waste management

No hazardous wastes are produced in the campus.

However, the chemicals used as part of laboratory experiments are well stored and carefully used during carrying out experiment by the students, staff and faculty.



Activity for cleanIndia Campaign at Central Railway station , Coimbatore

Waste PET Bottles are cleaned from Railway Station through Clean India Campaign

E-waste Management

- Batteries in UPS, Cars and Buses are exchanged with suppliers for new ones when they become irreparable.
- Computers accessories beyond repair are disposed off to scrap vendors.

7.2 Innovations

7.2.1. Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college

During the past seven years of existence of the college following innovations have been introduced in academic, administrative and other areas.

Academic

- Introduction of Adithya LMS which helps in ensuring effective teaching, learning process.
- Webinars are conducted periodically to enable interaction between the students and industry experts.
- Two industrial visits per semester is carried out for students for better practical exposure.
- Pre lab, in lab, Post lab is conducted for every experiment in laboratory courses for better understanding.

- Well planned Skill development training to pre-final year and final year students provide better placement opportunity for students.
- Manuals for laboratory manuals are prepared there by increasing the time availability for carrying out the respective experiments.

Administrative

- Two wheeler vehicles are permitted inside if only the students come with helmets on.
- Most of the internal communications to and among faculty members are sent through email to resulting in less paper environment.
- Students are permitted to wear jeans of their choice on all Saturdays.
- Mentors are assigned to counsel the students in overcoming the difficulties and hardships.
- Well structured grievance redressal system ensuring collection, attending and eliminating grievances of students quickly and amicably.

Research Innovations and Special Lab

- Intel Intelligent Systems Lab was started in the month of February 2016 and signed MoU with Intel.
- Intel College Excellence Programme were conducted to the students and got certifications.
- Students done the projects using Intel Galileo Board and got 8TH place in Smart Village Innovations.
- “Human Safety System in Drainage and Unused Well” project has been selected in Intel Innovation Festival, 2016.
- “Smart Cart” project has been selected in Intel Innovation Festival, 2016.
- Project proposals are submitted to various funding agencies like MNRE.
- Automation for laboratory lights & fans are switched on & off automatically by remote using the new technology done by our students. In order use the Electrical energy efficiently.
- Water Saving Process Automatic water tank filling, single phase preventer, and submersible motor dry preventer, automatic irrigation system has been installed using PLC & SCADA done by our students.

Wipro Mission 10X Technology Learning Centre

Wipro Mission10X was launched on September 5, 2007 by Wipro Technologies, Bangalore India, to address the challenges of employability in engineering education. The key task was to develop a sustainable model to enhance the quality of engineering education in India. In coherence with this need, Adithya Institute of Technology (AIT) has established Wipro Mission10x Technology Learning Centre (MTLC) on 07.04.2013 in helping build institutions which are on par with the best in the world. Mission 10X chose to enhance the Graduate Engineering Attributes Viz., Deeper Learning, Communication Skills and Team Work in students. Mission 10X is an entirely not-for-profit initiative aiming to improve employability of young Indian engineers. It is helping to move India forward towards global competitiveness by enhancing the quality of human capital in the country.

Wipro Mission 10x Laboratory Setup

The Wipro Mission 10x Technology Learning Centre is equip with Unified Technology Learning Platform (UTLP) kit. This UTLP Kit is designed using an advanced processor (TIOMAP3530) and Xilinx Spartan6 series based FPGA. The learners can develop, design, interface and validate their hardware/algorithm/code in application mode or Linux mode using UTLP kit.



Wipro Mission 10X Technology Learning Centre



Wipro Mission 10X Technology Learning Centre

Benefits

Learner's gain access to

- 1 Professionals working in linux platform and corporate development activities.
- 2 Hands-on training that develops problem-solving skills.
- 3 Industrial attachments for real world opportunities.
- 4 Globally accepted industry-standard certification.
- 5 Scholarships in mathematics, science and other technical fields.
- 6 Exciting careers in electronic based embedded systems and Linux based driver development.
- 7 Develop and implement signal processing based projects

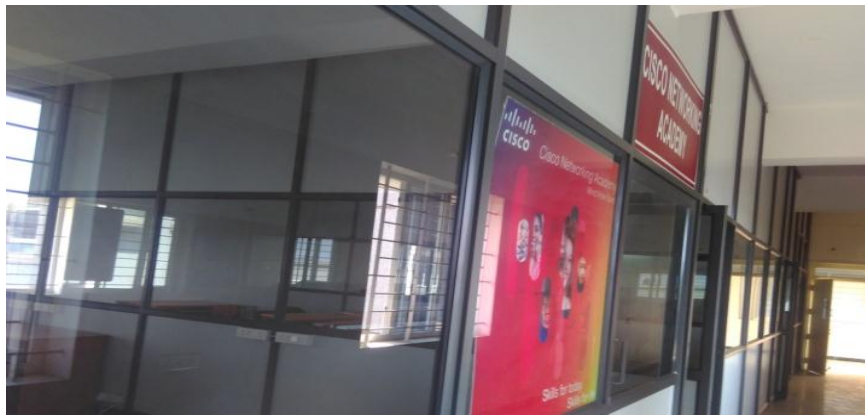
CISCO Networking Academy

About Academy

An estimated 850,000 information technology-related positions worldwide go unfilled each year due to a shortage of qualified workers. In an effort to help and alleviate this shortage, AIT (Adithya Institute of Technology) has established the CISCO Networking Academy program on 13-Nov-2014 which was inaugurated by Shri. Anuradha Sharma, Program manager, social innovation group, India, Nepal, Bangladesh, CISCO Systems Inc, USA.

AIT designated as CISCO Networking Academy will be a training center for instruction of computer-networking curriculum to students and future network administrators. Faculty from AIT's Communication engineering and Information technology program will serve as Certified Instructors. The training program participants will learn principles, design, construction and maintenance of computer networks.

"We look forward to working with local colleges, schools, districts and community organizations to help build the technical expertise needed for a thriving local economy," Shri Anuradha Sharma says.



A view of CISCO Networking Academy Laboratory



A view of CISCO Networking Academy Laboratory

The CISCO Networking Laboratory is equip with advanced Routers, switches and other networking equipments, in which the learner validates the

ability to install, configure, analyze different networks, operate, and troubleshoot medium-size route and switched networks, including implementation and verification of connections to remote sites in a WAN.

Description of the Laboratory Setup: AIT designated as CISCO Networking Academy will be a training center for instruction of computer-networking curriculum to students and future network administrators. Faculty from AIT's Communication engineering and Information technology program will serve as Certified Instructors. The training program participants will learn principles, design, construction and maintenance of computer networks.

The CISCO Networking Laboratory is equip with advanced Routers, switches and other networking equipments, in which the learner validates the ability to install, configure, analyze different networks, operate, and troubleshoot medium-size route and switched networks, including implementation and verification of connections to remote sites in a WAN.

Benefits to Learner:

Once the learner enrolls for a training programme, he/she gain access to:

- Multi-media web-based delivery that supports student-centred learning
- Hands-on training that develops problem-solving skills
- Industrial attachments for real world opportunities
- Globally accepted industry-standard certification
- Install, configure, analyze different networks
- Exciting careers in IT and the Internet

Co-Curricular Innovations

- Symposium, Sports Meet and Cultural fest are organized by the students.
- E-bonafide developed by S.Sujinder and K.Malini helps students avoid standing in queue for request of bonafide.
- Websites / Brochures / Merit Certificates / Invitations / Flex design for intra-college events are developed by the students.
- News letter are designed by the students.

Infrastructure Resources

- Smart class room and Seminar hall with LCD projector to enhance the learning process.

- Easy access to journals, periodicals, books, CD through OPAC.

Clubs/Chapters

- Puzzles and Program solving club assist student in solving logical problems and increases the analytical thinking of the student.
- Entrepreneurship cell motivates students to become as entrepreneurs.
- Student to promote the professional culture among the clubs like photography, eco-club etc.

Placement Training

- The students undergo training from sixth semester on soft skills, mock interview and group discussion.
- Skill development training in both internal and external mode conducted till fifth semester aims to improve the employability of the student
- Refreshment courses are conducted periodically for the final year students to make feel the interview process ease.

Industry Integration

- Incubation centers functioning inside the campus assist student and faculty to thrive experience in recent trends.
- Students are given internship/ in-plant training/ industrial visit in various organizations and projects.

Attendance Management System

Teachers can access the online Attendance Management Software through the College website using their personal ID and password and enter the attendance of students. The attendance report of every student can be generated at the end of the month. The system has brought in a general improvement in the overall discipline of the College since it facilitates attendance monitoring at both the Department and College levels.

ID Cards

ID Cards with barcode were introduced to the students. This is a unique identity card which the students can use it in the Library and for other services.

ICT enabled Class rooms

Each department has a class room fitted with an over head projector with ICT facility.

The following Innovations are introduced that have created positive impact on the functioning of the college.

- Student's internship during vacation
- Newspapers to all Departments
- Toppers Recognition & awards
- Special study hours for weaker students
- Regular motivational speech programmes
- Option to staying in hostel during examinations for a few months
- Soft skill development programmes

7.3 Best Practices

7.3.1 Elaborate on any two best practices as per the annexed format which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the College.

Best Practices -I

1. Title of the Practice:Adithya Learning Management System (Adithya LMS)

Adithya Learning Management System, (Adithya LMS) is an online web-based technology implemented in our institution since 2008. It facilitates the conduct of teaching learning process in an effective way. The system was developed on the Moodle open source platform and being updated as and when changes are required in the process.

2. Goal

The main objective of Adithya LMS is to provide an effective end-to-end academic process and its management which ensures moving towards a paperless environment

3. The Context

The salient features of our Adithya Learning Management System are listed below:

The system allows a faculty to plan, execute, evaluate and analysis all of his/her activities connected to his/her subject delivery.

3.1. Content management: Consolidated notes and overview of each unit are uploaded at the end of completion of each unit. This will help the students to quickly go through the zest of the theories, contents taught in the class. Content like Course material and details of application of the content are also uploaded in the respective sessions. Apart from this for the better understanding, relevant videos, animations and PPTs are also uploaded into each session. All the content in the Adithya LMS can be accessed for 24x7.

3.2. Assessment and Testing: Each session will have 5 multiple choice questions and students are required to attempt them. The outcome of the evaluation will reveal the understanding level of the concept taught in the class. Students can get to know the correct answer for a question if they had marked it wrong initially.

The 3 levels (easy, medium, tough) of assignments to be in the all assignments with three different levels of solving are submitted online using Adithya LMS and quizzes will be instantly graded

3.3. Curriculum Planning: Adithya LMS is used for designing course plan and lecture schedule

3.4. Reports Generation: Adithya LMS provides nice reporting tool with options to customize student's reports

3.5. Communication and Collaboration: Adithya LMS provides Students Corner as communication tool and blog as collaborative tool

3.6. College announcement: All news and circulars are visible in Home Page of Adithya LMS

4. The Practice

Adithya LMS provides the faculty with a way to create and deliver content, monitor student participation, and assess student performance. The session plan designed by faculty supports them in their preparedness and management of classroom handling. Each and every student has been given an exclusive login access to use Adithya LMS. It can be accessed from anywhere and at any time. For each topic covered in syllabus, there are several content types available in Adithya LMS such as class notes, application concept, short and brief university questions with answers, and additional resources for illustration of concepts like videos, animations, presentations etc. Students are enabled to download the supporting materials. The concept understanding and analytical ability of students are

assessed with the aid of session wise quiz questions given in Adithya LMS. The quiz questions can be randomized at various levels and the process can be assured with timers for test-takers. The ability to set time limit and attempt limit makes the assessment more efficient and effective.

Students' attendance and internal assessment marks are being preserved in the Adithya Adithya LMS for both lab and theory sessions. In addition the assessment marks obtained in Adithya LMS and Assignment are also preserved. Adithya LMS supports necessary and required reports for information and decision making purpose. The reports can be exported to pdf and excel formats for additional customization of design. Reports can be printed along with graphical representation for easy analysis. Adithya LMS facilitate Faculty-Student communication through Students corner. Adithya LMS forms the prime mode for dissemination of circulars and announcements in the home page.

5. Evidence of Success

Management is able to get the data on all academic activities of the college from anywhere which helps in decision making process. The faculties are able to spare the saved time in other productive activities

6. Problems Encountered and Resources Required

The system works fine till now with No major issues encountered except due to network issues, at times.

7. Notes :

It is a transparent system helps students, faculty and others to access on a 24x7 platform.

The content uploaded can be assessed by anybody using the login and password given in the website for this purpose.

Best Practices -II

1. Title of the Practice: Skill Development Training (SDT)
2. Goal/Objectives of the SDT

The objective of Skill Development Training (SDT) is to enable students to take up industry-relevant skill training that will help them in securing placement in reputed organizations.

The SDT courses offered by various departments are listed below:

S.No.	Department	Name of the SDT	Goal	Internal Staff	External Staff
1	B.E.-Civil Engineering	Total Station field practice	<ul style="list-style-type: none"> ❖ Measure remote distance and elevation using special function of TS ❖ Solve trigonometric problems using COGO function on the field / Site ❖ Perform onsite instrument calibration ❖ Calculate 2D, 3D area on the field / Site ❖ Calculate surface volume on the field / Site ❖ Understand the survey work estimation factors ❖ Define the procedure for download and upload data to TS ❖ Define the TS data formats ❖ Produce simple survey map using AutoCAD 	Prof.R.A.Arvinth, AP/Civil Prof.S.Praveen, AP/Civil	Green Land Associates, No 4/2, Athipalayam Road, Chinnavedampatt, Coimbatore - 641049

2	B.E.-Civil Engineering	Revit Architecture	<ul style="list-style-type: none"> ❖ Understand the purpose of Building Information Management (BIM) and how it is applied in Revit ❖ Work with the basic drawing and editing tools in Revit ❖ Create levels and grids as datum elements for the model ❖ Create a 3D building model with walls, windows, and doors ❖ Set up sheets for plotting with text, dimensions, details, tags, and schedules 	<p>Prof.D.Loganathan, AP/Civil</p> <p>Prof.P.Prabhakaran, AP/Civil</p>	HSS BIM Solutions Private Limited, 3rd Floor, Ganesh Tower, B-1 ,1st Avenue, 100 Ft Road, Ashok Nagar, Chennai - 600083,
3	B.E. – CSE & B.Tech - IT	Java Programming	<ul style="list-style-type: none"> ❖ To learn the fundamentals of Java ❖ To understand decision and looping constructs in java ❖ To learn about Java Swing ❖ Be familiar with Jasper report generation 	<p>Prof.B.Janani, AP/CSE</p> <p>Prof.N.RamaKalpana, AP/CSE</p> <p>Prof.C.Yamini AP/CSE</p>	-
4	B.E. – CSE & B.Tech – IT	Document Database Technology	<ul style="list-style-type: none"> ❖ Be exposed to .NET framework ❖ Be familiar with Web Page design using ASP.NET ❖ Know the importance of object oriented concepts in ASP.NET using C# ❖ Have hands on experience on MongoDB 	<p>Prof.Rupilaa V.M., AP/CSE</p> <p>Prof.Ganesh Karthikeyan V. AP/CSE</p>	-

5	B.E. – CSE & B.Tech - IT	Web Developmen t using PHP	<ul style="list-style-type: none"> • Understand the technologies used in Web Programming. • Know the importance of object oriented aspects of Scripting. • Understand creating database connectivity using MySQL. • Learn the concepts of web based application using sockets. 	Mr.Vadivel R., AP/CSE, AIT Ms.Kavitha P, AP/CSE, AIT	-
6	B.E. – CSE & B.Tech - IT	Advanced Java Programmin g – JSP	<ul style="list-style-type: none"> • Be exposed to JSP basics • Be familiar with web page design • Have hands on experience on MVC framework • Understand database connectivity 	Prof.S.Saravana Kumar, AP/CSE, Prof.N.Rama Kalpana, AP/CSE	-
	B.E. – CSE & B.Tech - IT	Designing Tool	<ul style="list-style-type: none"> • Understand the menus and colors in designing • Exposed to filters and animations • Understand the working with flash. 	Prof.T.Selvaprab hu AP/IT	Mr.S.Thiyagarajan, Operational Head Image Creative Education, Coimbatore
7	B.E. – ECE & B.E. - EEE	PLC & SCADA	<ul style="list-style-type: none"> • Introduction To Automation • Introduction to PLCs • Ladder Diagram for industrial application • Motor Drives Introduction & Their Need • HMI Introduction & Its Need • SCADA 	Prof.V.Harini, AP/ECE Prof.T.Kirubhak aran AP/EEE	R.Sathiyamurthy Manager-Technical M/s SunRise Automation and Solutions Mob: 9003976519 , ph : 0422- 4212161

8	B.E. – ECE & B.E. - EEE	PCB Designing	<ul style="list-style-type: none"> • Introduction to Altium designer • PCB schematic and layout design. • Single sided PCB routing • Multi sheet design. • Interactive and Differential routing. • Analog concepts & SMD component based design • Single sided fabrication of PCB 	Prof.V.S.Vella durai, AP/ECE	<p>JRM Technologies 137-H RKP Plaza 100 feet Road, Gandhipuram Coimbatore 641012</p> <p>E-mail: info@jrmtech.in www.jrmtech.in Phone: +91 422 2480119</p>
9	B.E. – ECE & B.E. - EEE	PSPICES Programmi ng	<ul style="list-style-type: none"> • Introduction to PSPICE • Simple Dependent Sources, sub-circuits using PSPICE • Steady state and Transient Analysis • Mutual Inductances, Frequency Response • Special Sources, Filters, Parameter Sweeps • Voltage & Current Controlled Switches, Schmitt trigger diode V-I characteristics and logic gates. 	<p>Prof.P.Muthu vidhya Mr.K.Muniraj AP/ECE Prof.S.Rajesh Prof.K.Lokesh , AP/EEE</p>	<p>JRM Technologies 137-H RKP Plaza100 feet Road, Gandhipuram Coimbatore 641012</p> <p>E-mail: info@jrmtech.in www.jrmtech.in Phone: +91 422 2480119</p>

10	B.E. – ECE & B.E. – EEE	Digital System Design	<ul style="list-style-type: none"> • Introduction to Proteus Software • Electronics Design using Proteus suit. • To develop digital function 	Prof.J.Nishanth AP/ECE Prof.K.Lokesh, AP/EEE	JRM Technologies 137-H RKP Plaza 100 ft Road, Gandhipuram Coimbatore 641012
11	B.E. – ECE & B.E. – EEE	MATLAB (Simulink)	<ul style="list-style-type: none"> • Analyze a simple circuits • Design ,develop and analyze a Rectifier • Design ,develop and analyze a Inverter • Design ,develop and analyze a Chopper • Design ,develop and analyze a Electrical Machines • Design ,develop and analyze a seven bus Power System model 	Prof.K.Lokesh, AP/EEE	-
12	B.E. – ECE & B.E. - EEE	Embedded System Design	<ul style="list-style-type: none"> • Introduction to PIC16F877A. • Interfacing with peripheral devices. • Serial communication & Industrial Communication Protocols • Analog to Digital Converters • Graphics LCD 	Prof.S.Muthuku mar AP/ECE	JRM Technologies 137-H RKP Plaza II Floor, 100 feet Road, Gandhipuram, Coimbatore 641012

13	B.E – Mechanical Engineering	LabVIEW	<ul style="list-style-type: none"> • To learn features of LabVIEW. • To build a standard VI using a state machine architecture. • To learn about multithreading and exception handling in VI. • To learn motion control in LabVIEW. 	Prof.B.Umesh, AP/Mech Prof.R.M.Udhaya Chandran AP/Mech Prof.G.Prabhu AP/Mech	CADD LEADER, # 1, Nagappa Thever Complex, 2nd Floor, RS Road, Kinathukadavu, Coimbatore – 642 109.
14	B.E – Mechanical Engineering	Solid works	<ul style="list-style-type: none"> • To understand overview of solid works user interface concepts. • To understand concepts in solid works drafting process. • To understand concepts in solid works assembly process. • To understand concepts in solid works surface modeling. • To understand minimization of design process time. 	Prof.M.K.Sathish Kumar AP/Mech Prof.P.Mohanraj AP/Mech Prof.A.C.Ramku mar AP/Mech	Adithya Hitech Valves PVT. Ltd, S.F No. 62/1, Athipalayam Road, Chinnavedampatti, Coimbatore – 641 049. Phone: (0422) 4270028.

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3. Evaluation methodology

<u>Policy for awarding grades:</u> <ul style="list-style-type: none"> For attendance - 25 marks For Evaluation Test 1 & 2 - 25 marks Final Evaluation and Project - 50 marks <p style="text-align: right;">Total - 100 marks</p>	<u>For Certificate Comments:</u> <ul style="list-style-type: none"> ✓ 96-100 marks – Outstanding ✓ 90-95 marks – Excellent ✓ 71-89 marks – Very Good ✓ 61-70 marks – Good ✓ 50-60 marks – Moderate ✓ 0-49 marks – Not Recommended
<p>1. For Attendance (Weightage 25%) (Max. Marks: 25)</p> <p>(i). For attendance 0-50 % - 0 marks</p> <p>(ii). For attendance 51-75 % - 15 marks</p> <p>(iii). For attendance 76 % & above-25 marks</p>	<p>2. Evaluation (1 & 2) (Weightage 25%) (Max. Marks: 25)</p> <p>(i). For attending anyone Evaluation - 10 marks</p> <p>(ii). For attending both the Evaluation - 15 marks</p> <p>(iii). If scored more than 50% marks in any one evaluation – additional 5 marks</p> <p>(iv). If scored more than 50% marks in both the evaluation – additional 10 marks</p> <p>(v). If absent for both the evaluation - 0 marks</p>
<p>3. Project Evaluation (Weightage 50%) (Max. Marks: 50)</p> <p>(i). Project Levels -</p> <p>Tough – 25 marks (Level –I)</p> <p>Moderate – 20 marks (Level –II)</p> <p>Easy – 15 marks (Level –III)</p> <p>(ii). Further 25 marks allotted for report and output shown. Report is SDT specific.</p> <p>A student should submit 3 copies of the report for final evaluation.</p>	

4. Outcomes of the SDT

B.E –Civil Engineering

- **Total Station field practice**

Theory lecture explain the concepts of total station working mechanism followed by practical exercise, which helps to gain practical understanding and essential skill sets required for present surveying industry.

- **Revit Architecture**

- After completing this course, students will have a comprehensive knowledge of Revit Architecture
- Enabling them to complete a building information model and its corresponding construction documentation, with an appreciation for how to create basic Family Content.

B.E – Computer Science and Engineering & B.Tech – Information Technology

- **Java Programming**

- Concepts of object oriented programming and event driven programming
- Understanding of Arrays, Strings, Packages, Inheritance have been developed and implemented by the students
- Need and purpose of polymorphism, dynamic binding, interfaces, abstract classes and exception handling
- Method and strategy of connecting the database with the front end by JDBC connectivity
- Methodology of report generation

- **Document Database Technology**

- Create a website using ASP.NET and CSS.
- Design and implement dynamic web page with validation by applying different event handling mechanisms.
- Design and implement database schema using MongoDB for a given problem domain
- Populate and query database
- Design client server applications

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- **Web Development using PHP**

- Design Web Pages using HTML, CSS
- Use JavaScript to make the page interactive
- Make web pages dynamic using PHP
- Integrate MySQL with PHP and make database connectivity

- **Advanced Java Programming – JSP**

- Create dynamic web applications.
- Design client server applications

- **Designing Tool**

- To understand the need of designing tool
- To understand the concept and analyze and evaluate information from multiple source and diverse perspectives
- Students will develop an understanding of design process and problem solving methods and explore the effective graphic design.
- Students will demonstrate proficiency in identified skills, understand and apply basic principles in the process of creating, analyzing, and evaluating graphic design solutions in relation to specific end uses and consumer needs.

B.E – Electrical and Electronics Engineering & B.E. – Electronic and Electrical Engineering

- **PLC & SCADA**

- Knowledge about various PLC's.
- Able to develop new real time projects.
- Remote monitoring of Equipments & Sensors.
- Developing SCADA Application.

- **PCB Designing**

- Able to Design PCB & Layout.
- Designing of PCB both Single sided & doubled sided.
- Able to Fabricate the PCB Single side board.

- **PSPICES Programming**

- To learn the introduction to PSPICE.
- To learn voltage & current controlled dependent sources using PSPICE.
- To learn the transient and steady state AC analysis using PSPICE programming.
- To learn the frequency response, special sources and filters using PSPICE programming.

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- To learn voltage and current controlled switches, Schmitt trigger diode V-I characteristics and logic gates.
- **Digital System Design**
 - To help in providing enrich knowledge to proteus design suit
 - To develop basic electronics using gate by proteus unit.
 - Basic function in digital electronic segment using proteus unit.
- **MATLAB (Simulink)**
 - Analyze a simple circuits
 - Design ,develop and analyze a Rectifier
 - Design ,develop and analyze a Inverter
 - Design ,develop and analyze a Chopper
 - Design ,develop and analyze a Electrical Machines
 - Design ,develop and analyze a seven bus Power System model
- **Embedded System Design**
 - Able to develop projects using PIC16F877A.
 - Interfacing of wireless modules like ZigBee, Bluetooth ,etc

B.E – Mechanical Engineering

- **LabVIEW**
 - The features of LabVIEW were studied.
 - A standard VI using state machine architecture was developed.
 - A multithreading and exception handling in VI was studied.
 - Various motion controls in LabVIEW was learned.
 - **Solid works**
 - The concepts of solid works were overviewed.
 - The concepts in solid works drafting, assembly and surface modeling process were learned.
 - The minimization of design process time was studied.
5. **Evidence of success (Special achievement, Placement)**
- Awarding certificates for toppers and participants at the end of SDT course.
6. **Problems Encountered and Resources Required**
7. **Notes:**
- Skill Development Training is well planned and executed in a systematic manner ensuring imparting of necessary practical training to the students which help them to become confident during their carrier.

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8. Contact Details.

Name of the Principal :Dr.N.Kathiravan

Name of the Institution: Adithya Institute of Technology

City : Coimbatore

Pin code : 641107

Phone : 7373700933

Website : www.adithyatech.edu.in

Mobile : 9842677711

EVALUATION REPORT OF THE DEPARTMENT

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Evaluative Report of the Department

1. **Name of the Department** : **Civil Engineering**
2. **Year of establishment** : **2013**
3. **Names of programmes offered** :

S.No	Level	Programme
1	UG	B.E – Civil Engineering
2	PG	M.E – Structural Engineering

4. **Names of Interdisciplinary courses and the departments / units involved**

i. U.G. - B.E. Civil Engineering

S.No	Semester	Subjects	Departments Involved
1	01	Engineering Practice Laboratory	Dept. of Electrical and Electronics Engg
2	01	Engineering Practice Laboratory	Dept. of Electrical and Electronics Engg.
3	01	Computer Programming	Dept. of Computer science & Engg.
4	01	Computer Practices Laboratory	Dept. of Computer science & Engg.
5	01	Engineering Graphics	Dept. of Mechanical Engineering
6	01	Engineering Practice Laboratory	Dept. of Mechanical Engineering
7	01	Technical English – I	Dept. of English
8	01	Mathematics – I	Dept. of Mathematics
9	01	Engineering Physics –I	Dept. of Physics
10	01	Engineering Chemistry –I	Dept. of Chemistry
11	01	Physics & Chemistry Lab-I	Dept. of Physics & Chemistry
12	02	Basic Electrical and Electronics Engineering	Dept. of Electrical and Elect. Engg.
13	02	Physics & Chemistry Lab-II	Dept. of Physics & Chemistry

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14	02	Technical English II	Dept. of English
15	02	Mathematics II	Dept. of Mathematics
16	02	Engineering Physics II	Dept. of Physics
17	02	Engineering Chemistry II	Dept. of Chemistry
18	03	Transforms and Partial Differential Equations	Dept. of Mathematics
19	04	Numerical Methods	Dept. of Mathematics
20	05	Communications Skills Laboratory based	Dept. of English

ii. P.G. - M.E. Structural Engineering

S.No	Semester	Subjects	Departments Involved
1	01	Advanced Mathematical methods	Dept. of Mathematics

5. Annual / semester / choice based credit system (Programme wise)

S.No	Level	Programme	Annual / Semester Credit System
1	UG	B.E Civil Engineering	Semester Credit System
2	PG	M.E Structural Engineering	Semester Credit System

6. Participation of the department in the courses offered by other departments 2013 Regulation

S.No	Semester	Subjects	Departments Involved
1	01	Engineering Practice Laboratory	Dept. of Mechanical Engineering Dept. of Electrical and Electronics Engg
2	02	Basic Civil and Mechanical Engineering	Dept. of Mechanical Engineering
3	02	Basic Civil and Mechanical Engineering	Dept. of Electrical and Electronics Engg
4	01	Engineering Graphics	Dept. of Mechanical Engineering
5	04	Fluid Mechanics	Dept. of Mechanical Engineering

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7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

8. Details of courses/programmes discontinued (if any) with reasons:

Nil

9. Number of Teaching posts

Designation	Sanctioned	Filled
Professors	01	01
Associate Professors	01	01
Asst. Professors	12	12

10. Faculty profile with name, qualification, designation, specialization :

S.No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr.D.Suji	Ph.D	Professor	High Performance Concrete & Optimisation	28 yrs	12
2	Mr.P.Shakivel	M.Tech	Associate professor	Ocean Engg (Structures)	17 yrs	-
3	Mr.M.Perarasan	M.E.	Assistant Professor	Structural Engineering	3 yrs	-
4	Ms.E.Niranjani	M.E	Assistant Professor	Earthquake Engineering	2 yrs	-

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5	Mr.P.Prabhakar	M.E.	Assistant Professor	Structural Engineering	1 yr	-
6	Ms.B.Aquino Jancy Rani	M.Tech.	Assistant Professor	Environmental Science & Technology	1 yr	-
7	Mr.D.Loganathan	M.E., M.B.A.	Assistant Professor	Structural Engineering	6yrs	-
8	Mr.S.Praveen	M.E.	Assistant Professor	Construction Engineering & Management	1 yr	-
9	Mr.RA.Arvinth	M.Tech	Assistant Professor	Structural Engineering	1yr	-
10	Ms. Kavitha	M.E.	Assistant Professor	Structural Engineering	6 months	-
11	Mr.S.Sabarianand	M.E.	Assistant Professor	Structural Engineering	6 months	-
12	Mr.S.Poovendran	M.E.	Assistant Professor	Structural Engineering	6 months	-
13	Mr.R.Deepak	M.E.	Assistant Professor	Structural Engineering	6 months	-
14	Ms. Nithya	M.E.	Assistant Professor	Structural Engineering	6 months	-

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11. List of senior visiting faculty:

S.No	Name of the Visiting Faculty	Designation	Company/Institution
1	Mr.Muthukrishnan	Professor	Retd. Professional, NABARD
2	Dr.K.G.Bhatia	Senior Professional Engineer	D-CAD Technologies, New Delhi
3	Er.RM Mayileru	Senior Professional Engineer	RM. Mayileru & Co, Coimbatore

12. Percentage of lectures delivered and practical classes handled by temporary faculty:

Nil

13. Student -Teacher Ratio

S.No	Level	Programme	Student – Teacher Ratio
1	UG	B.E Civil Engineering	20:1
2	PG	M.E Structural Engineering	12:1

14. Number of academic support staff technical

S.No	Staff	Sanctioned	Filled
1	Technical	1	1

15. Qualifications of teaching faculty with DSc / D.Litt / Ph.D / MPhil / PG

S.No	Academic Year	Qualification with Ph.D.	Qualification with M.E
1	2016-17	2	15

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16. Number of faculty with ongoing projects from National /International funding agencies and grants received

Academic Year	Name of the Principal Investigator/ Co-investigator	Title of the Project	Name of the funding agency	Amount proposal in Rs.	N/I	Status
2016-17	Mr.S.Praveen	Feasibility study of hazardous cargo through waterways in kerala	Mir Projects & Consultants Pvt Ltd	60,000/-	N	Completed

N- National I - International

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received :

Project Title	Funding Agency	Nature of the Project	Amount Sanctioned/ Amount Proposed	Status
Health Monitoring, Non-Destructive Evaluation and Retrofitting of structures	Ministry of Earth Sciences, Government of India	National level workshop	Rs 60,000	Not Considered For Funding
Hazard Mitigation and Intelligent Material Systems for Civil Infrastructure	Council for Scientific and Industrial Research	National level Seminar	Rs. 1,10,000	Not Considered For Funding
Nano Engineered concrete for sustainable construction industry	Science and Engineering Research Board	National level Seminar	Rs.60,000	Not Considered For Funding

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zero energy architecture & sustainable materials for buildings to mitigate carbon footprints	Ministry of Earth Sciences, Government of India	Regional seminar	Rs.50,000	Not Considered For Funding
Landslides: Management and Mitigation Strategies	Ministry of Earth Sciences, Government of India	Regional seminar	Rs.50,000	Not Considered For Funding
Studies on Mechanical and Durability Properties of Flyash Concrete Incorporating Nano SiO ₂	Department of Science and Technology, Government of India	Research Project	Rs.10,0000	Not Considered For Funding
Application of Geomatics in disaster Management	Ministry of Earth Sciences, Government of India	National conference	Rs.80,000	Not Considered For Funding
Hazard Mitigation through the application of soil bioengineering in land slide areas	Ministry of Earth Sciences, Government of India	Regional Workshop	Rs.40,000	Not Considered For Funding
Emerging building materials and construction technologies with a focus on minimizing carbon footprints	Ministry of Earth Sciences, Government of India	National Workshop	Rs.40,000	Not Considered For Funding
Entrepreneurship Awareness Camp	Entrepreneurship Development Council	Awareness Camp	Rs 40,000	Awaited for Results

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Remote sensing and GS in disaster risk assessment , monitoring and management	Indian Space Research Organization (ISRO), Government of India	National seminar	Rs. 80,000	Not Considered For Funding
Health Monitoring Non destructive evaluation and retrofitting of structures	CSIR	National seminar	Rs 40,000	Not Considered For Funding
Renewable Energy Applications for Existing buildings	Ministry of New and Renewable Energy (MNRE), Government of India	National conference	Rs. 1,55,000	Awaited for Results
Monitoring moisture content for effective curing to achieve Target Mean strength in a mass concreting work using wireless sensor applications	Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu	Research Project	Rs.10,000	Awaited for Results
A Study on Partial Replacement of Cement and Coarse aggregate by Ceramic Powder and Waste Rubber Tyres in Concrete	Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu	Research Project	Rs.10,000	Awaited for Results

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Application of Fuzzy Logic for generating report in detection of damages in heritage buildings – A case study	Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu	Research Project	Rs.7,000	Not Considered For Funding
Experimental Investigation On Recycled Concrete For The Replacement of Fine Aggregate.	Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu	Research Project	Rs.7,000	Not Considered For Funding
Experimental Study On Glass Fibre Reinforced Polymer On Column Confinement By Replacing Cement With Fly Ash	Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu	Research Project	Rs.7,000	Not Considered For Funding
Application of Ground Scrap tyre Rubbers in Asphalt concrete pavement	Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu	Research Project	Rs.7,000	Not Considered For Funding
Structural Health Monitoring Of Heritage Buildings Using Wireless Sensor Networks	Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu	Research Project	Rs.7,000	Not Considered For Funding

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18. Research Centre / Facilities recognized by the University :

Nil

19. Publications

i. Publications :

S.No	Name of the Faculty	Publication for last four years		Total
		N	I	
1.	Dr.D.Suji	06	38	44
2.	Dr.M.Kartickumar	-	04	04
3.	Mr.M.Perarasan		04	04
4.	Ms.E.Niranjani	-	04	04
5.	Mr.S.Praveen	02	06	08
			Total	64

N- National I – International

ii. Conference:

S.No	Name of the Faculty	Publication for last four years		Total
		N	I	
1.	Dr.D.Suji	14	10	24

20. Areas of consultancy and income generated

Academic Year	Name Of the Company	Name of the faculty	Title of the Consultancy	Income	Total Amount - INR
2014-15	U.G.Students-Kathir college, Coimbatore	Mr.P.Shakivel	Soil lab_ UCC test	600	600
2015-16	M/s.Shri kubhera parivar, Coimbatore	Mr.P.Shakivel	Rebound hammer test	6750	44,884
	M/s. Srinivasan Associates Pvt Ltd, Coimbatore	Mr.P.Shakivel	Concrete Cube test_ Compression	15400	
	M/s. Srinivasan Associates Pvt Ltd	Mr.P.Shakivel	Rebars _ Tension test	1,000	

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2015-16	AIT_Chairman Kalyanamandapam site, Saravanampatti	Mr.P.Shakivel	SPT Soil Test	7,500	
	Mrs.Parimala, Chitra Nagar site, Coimbatore	Mr.P.Shakivel	SPT Soil Test	5,000	
	Ph.D Scholar_ Karunya University	Mr.P.Shakivel	Concrete beam & Cylinder test	3,078	
	M/s.RMM & Co. R.S.Puram,Coimbatore	Mr.P.Shakivel	SPT Soil Test	6156	
2016-17	M/s. Srinivasan Associates Pvt Ltd	Mr.P.Shakivel	Rebars _ Tension test	1,650	91,600
	M/s. Srinivasan Associates Pvt Ltd	Mr.P.Shakivel	Concrete Cube test_ Compression	38,500	
	M/s.RMM & Co. Annur & Peelamedu, Coimbatore	Mr.P.Shakivel	SPT Soil Test	12000	
	M/s.RMM for JSW steel Metur	Mr.P.Shakivel	NDT test	30000	
	M/s.Eshan Builders_ Puliampatti	Mr.Kartickumar	SPT Soil Test	6000	
	Sree Rangaraj Steel, Karaikal		Rebars _ Tension test	1750	
	Dhaanish Ahmed Institute of Technology _ student _ Coimbatore	Mr.Perarasan	Soil UCC test	600	
	IVA Infrastructures_ Kalapatti site CBE	Mr.Perarasan	Wood compression site	1100	
Total					1,37,084

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21. Faculty as members in

i. National Committee ii. International Committee iii. Editorial Boards

S.No	Name of the faculty	Professional Society/ Organisation	Name of the member	National / International/ Editorial board
1	Dr.Suji	Indian Journal of Engineering and Material Science	Reviewer	Editorial
2	Dr.Suji	Indian Society for Technical Education	Life member	National
3	Dr.Suji	Institution of Engineers (India)	Life member	National
4	Dr.Suji	Fellow of Institution of Valuers (India)	Life member	National
5	Dr.Suji	ISTE	Life member	National
6	Mr.P.Shakivel	Bureau of Indian Standards	Review Committee Member	National
7	Mr.P.Shakivel	ISTE	Life Member	National
8	Mr.D.Loganathan	ISTE	Life member	National

22. Student projects

i. a) Percentage of students who have done in-house projects including inter departmental / programme:

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:

Courses	2013-14		2014-15		2015-16		2016-17	
	I	O	I	O	I	O	I	O
B.E. Civil	N.A	N.A	N.A	N.A	N.A -	N.A	49	-
M.E. Structural	N.A	N.A	87.5	12.5	75	25	N.A	N.A

I- In-house projects O-Research Laboratories/Industry/Other Agencies

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ii. Percentage of students placed for projects in organizations outside the institution.

Courses	2013-14	2014-15	2015-16	2016-17
B.E. Civil Engineering	NA	NA	NA	NA
M.E. Structural Engineering	NA	12.5	25	NA

23. Awards/ Recognitions received by faculty and students:

S.No.	Academic Year	No. of awards
1	2014-15	14
2	2015-16	49
3	2016-17	26

24. List of eminent academicians and scientists/ visitors to the department

Academic Year	Name of the Academicians / Scientists	Designation	Institution/ Industry	Date	Purpose of Visit
2014-15	Er.P.R.Natarajan	Retd Superintendent Engineer	TNEB	09.01.15	Workshop
	Er.M.Bhuvanasundar	Architect	Sundar Sundaram Architects, Cbe.		
	Dr.R.Thenmozhi,	Professor	GCT, Cbe		
	Dr.K.G.Bhatia.	CEO	D-CAD Technologies, New Delhi	03.02.15	Technical Seminar
	Dr.S.R.Satish Kumar	Professor	Structural Engineering Laboratory, Dept. of Civil Engineering, IIT Madras	03.02.15	Technical Seminar
	Er J.Suresh	Manager	Green Land Associates, Cbe	02.03.15	Workshop

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2015-16	Dr.K.G.Bhatia	CEO	D-CAD Technologies, New Delhi.	26 & 27.08.15	Technical Training
	Dr Natarajan,	Professor	Karpagam University	26.03.16	Workshop

25. Seminars/Conferences/Workshops organized & the source of funding

a) National b) International

Academic Year	Seminars Conferences Workshops	N/ I	Title	Date	Funding Agencies
2014-15	Technical Training	N	Modern Surveying Techniques using Total Station	02.03.15	Self funded
	Seminar	N	Composite Structures and Dynamics of Machine Foundation	03.02.15	Self funded
	Seminar	N	Zero Energy Architecture & Sustainable materials Buildings to mitigate carbon footprints	09.01.15	Self funded
	Technical Training	N	Advanced Surveying Instruments		Self funded
	Seminar	N	Health Monitoring, Non-Destructive Testing, Evaluation of Structure	29.09.14	Self funded
	Workshop	N	Advanced Surveying using GEN- X Instruments	19.07.14	Self funded
2015- 16	workshop	N	Modern Surveying Techniques	05.01.16	Self funded

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2015-16	Seminar		Understanding Behaviour of Composite Structures & Understanding Dynamics of Machine foundation	03.02.15	Self funded
	workshop		Successful Writing of Journal papers and Research Proposal	18.08.15	Self funded
	Technical Training		Understanding structural Dynamics with Application to Engg Industry	25 & 26.08.15	Self funded
2016-17	Workshop	N	Field oriented techniques for Effective concreting	21 & 23.12.15	Self funded
	Workshop		Earthquake Resistant Design of Buildings and Industrial Structures	15.09.16	Self funded
	Conference	N	Geo-spatial Techniques and its Applications in Sustainable Development	26.03.16	Self funded

26. Student profile programme / course wise:

Name of the course/ Program	Batch	Application received	Selected	Enrolled		Pass Percentage
				M	F	
B.E. Civil Engineering	2013-17	*	*	35	14	**
	2014-18	*	*	48	11	**
	2015-19	*	*	42	15	**
M.E. - Structural Engineering	2013-15	*	*	9	7	81.25
	2014-16	*	*	9	7	75
	2015-17	*	*	Nil	Nil	-
	2016-18	*	*	05	01	**

* Through single window system and Consortium, ** NA

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27. Diversity of Students

Name of the Course/ Programme	Batch	Percentage of Tamil Nadu Students	Percentage of other State Students	Percentage of Students from Abroad
B.E. - Civil Engineering	2013-17	98.00	2.00	NA
	2014-18	94.50	5.50	NA
	2015-19	96.00	4.00	NA
M.E. - Structural Engineering	2013-14	93.75	6.25	NA
	2014-16	56.25	43.75	NA
	2015-17	-	-	NA
	2016-18	50.00	50.00	NA

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc., ?

Name of the Competitive Examinations	2013-17	Total
GATE	Nil	Nil

29. Student Progression

Students Progression	2013-17
UG to PG	NA
Campus Selection / Other than campus recruitment	28
Entrepreneurship / Self- Employment	Nil
Others	Nil

30. Details of Infrastructural facilities :

a) Department Library

S.No.	Descriptions	Quantity in Numbers	
1	Number of books	90	
2	News Papers	2	
3	Number of Codes & Standards	20	
4	Reference books	4	
5	Number of project thesis	U.G: NA	PG: 35

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b) Internet facilities for Staff & Students

- Institution is connected with 50Mbps dedicated internet facility for staff and students, all the system are connected with network.
- All the faculty members are provided with individual PC

c) Class rooms with ICT facility

- Smart class room with permanent LCD and computer with internet facility available in the department.
- Apart from the above 3 mobile projector and one OHP projector facility available.

d) Laboratories for UG and PG

S.No	Name of the Laboratory
1	Concrete & Highway Engineering Laboratory
2	Environmental Engineering Laboratory
3	Hydraulic Engineering Laboratory
4	Strength of material Laboratory
5	Soil mechanics Laboratory
6	Survey Laboratory
7	Advanced Structural Engineering Laboratory

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	2016-17	2015-16	2014-15	2013-14
No of Students	97	74	38	N.A

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Academic Year	Special Lectures / Workshops/ Seminar	Title	Date	Experts – External / Internal
2014 - 15	Inauguration	Students Association of Civil Engg Department - "INTENTIO".	19.07.14	Dr.E.B.Perumal Pillai, Principal, RMKCET, Chennai

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Academic Year	Special Lectures / Workshops/ Seminar	Title	Date	Experts – External / Internal
2014-15	Workshop	Advanced Surveying using GEN-X Instruments	19.07.14	Mr.M.S.Kaviraj Asst. Prof., AIT.
	Guest Lecture	Software Applications in Civil Engineering	19.08.14	Mr.R.Balraj, Manager, Arris CADD Technology, Coimbatore
	workshop	Health Monitoring, Non-Destructive Testing, Evaluation of Structures“	29.09.14	Dr. D.Suji, Professor AIT
	workshop	Advanced Surveying Instruments	20.12.14	Dr. D.Suji, Professor AIT
	Seminar	Zero Energy Architecture & Sustainable materials Buildings to mitigate carbon footprints	09.01.15	Er.P.R.Natarajan, Retd Superintendent Engineer, TNEB Ar.M.Bhuvanasundar, Sundar Sundaram Architects, Cbe Dr.R.Thenmozhi, Professor, GCT.
	workshop	Modern Surveying Techniques using Total Station	02.03.15	Er. J. SureshManager, Green Land Associates, Coimbatore
	workshop	Understanding Behaviour of Composite Structures & Understanding Dynamics of Machine foundation	03.02.15	D-CAD Technologies, New Delhi

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Academic Year	Special Lectures / Workshops/ Seminar	Title	Date	Experts – External / Internal
2014-15	workshop	Behaviour of Composite Structures	03.02.15	Dr.S.R.Satish Kumar,Professor, Structural Engineering Laboratory, Dept. of Civil Engineering, IIT Madras
2015-16	workshop	Successful Writing of Journal papers and Research Proposal	18.08.15	Dr.S.Neelamani, Senior Research Scientist, Kuwait Scientific Research Centre, Kuwait.
	Technical Training	Understanding structural Dynamics with Application to Engg Industry	26 & 27.08.15	Dr.K.G.Bhatia D-CAD Technologies, New Delhi
	Workshop	Field oriented techniques for Effective concreting	21 & 23.12.15	Er.Dineshkumar, Teleosis Infrastructures, Coimbatore.
	Guest Lecture	Career Enhancement in Civil Engineering	18.12.15	Dr.D.Suji, Professor AIT
	workshop	Modern Surveying Techniques	05.01.16	Dr. M.Karthick Kumar, Asso. Professor AIT
	Workshop	Geo-spatial Techniques and its Applications in Sustainable Development	26.03.16	Dr Natarajan, Professor Karpagam University
2016-17	Seminar	Earthquake Resistant Design of Buildings and Industrial Structures	15.09.16	Dr.K.G.Bhatia D-CAD Technologies, New Delhi

33. Teaching methods adopted to improve student learning

Aiming at the effectiveness of the teaching learning process, the department facilitates the use of various teaching tools such as

- Blackboard Activity
- Power Point Presentations
- Animation Oriented
- LMS
- Smart Class
- Students can utilize the laboratory resources at any time
- NPTEL Video lecture
- Industrial visit has been arranged according to their curriculum and evaluate their knowledge

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The college has the following social welfare activities

S.No	Academic Year	Event	Beneficiaries
1	2016-17	“THE HINDU CAR FREE SUNDAY” Plastic awareness skit	General public
2	2016-17	Swacch Rail & Swacch bharath	General public

35. SWOC analysis of the department and Future plans & Strengths

STRENGTH

- MoU signed with 6 companies
- MoU with renowned Research scientist Dr. K.G. BHATIA, CEO, D-CAD Technologies, New Delhi to setting up a Structural Dynamics Lab. Dr.K.G.Bhatia is an expert in Earthquake Engineering, Machine foundation and Structural Dynamics and also he is a committee chairman & member of BIS for various Indian Standard codes.
- Department is equipped with well qualified & experienced dedicated faculty members to take up the consultancy works.

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- Faculty members and all P.G Students were published well number of journal papers.
- Skill development training provided for the students are as per Industry requirement with latest version of equipments / Instrucments.
- Some of the faculty members are a member of BIS code review committee.

WEAKNESS

- Identification of Geotechnical experts for geotechnical consultancy works.
- To be focused on students preparedness towards competitive exams and so.

OPPORTUNITIES

- Faculty members and students are motivated to get training on latest technology and software for the application towards consultancy works such as NDT training, ANSYS training etc.

CHALLENGES

- Identification of PhD holders for the Teaching faculty.
- Identification of geotechnical experts.
- Well equipped computer lab

FUTURE PLAN

- Organising more number of International Conferences
- Identification of Social impact problems and providing solutions through Research and Consultancy services.
- Setting up of well equipped Centre of Excellence for Environmental Engineering.
- Conducting earthquake awareness camps and demonstration lab setting up for earthquake engineering.
- Setting up of Structural Dynamics lab to carry the research work in the area of structural dynamics, Earthquake Engineering and foundation subjected to dynamic loads / machinery loads.

Evaluative Report of the Department

- 1. Name of the Department** : **Computer Science and Engineering**
- 2. Year of establishment** : **2008**
- 3. Names of programmes offered** :

S.No	Level	Engineering/Technology
1	UG	B.E - Computer Science and Engineering
2	PG	M.E - Computer Science and Engineering

4. Names of Interdisciplinary courses and the departments / units / subjects involved

i. U.G. - B.E. Computer Science and Engineering

S.No	Semester	Subjects	Departments Involved
1	III	Transforms and Partial Differential Equation	Dept. of Mathematics
2	III	Analog and Digital Communication	Dept. of Electronics and Communication Engineering
3	IV	Probability and Queuing Theory	Dept. of Mathematics
4	IV	Microprocessor and Microcontroller	Dept. of Electronics and Communication Engineering
5	IV	Microprocessor and Microcontroller Laboratory	Dept. of Electronics and Communication Engineering
6	V	Discrete Mathematics	Dept. of Mathematics
7	VI	Digital Signal Processing	Dept. of Electronics and Communication Engineering
8	VI	Communication and Soft Skills - Laboratory Based	Dept. of English
9	VII	Resource Management Techniques	Dept. of Mathematics

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ii. P.G. - M.E. Computer Science and Engineering

S.No	Semester	Subjects	Departments Involved
1	I	Applied Probability and Statistics	Dept. of Mathematics

5. Annual / semester / choice based credit system (Programme wise)

S.No	Level	Programme	Annual / Semester Credit System
1	UG	B.E - Computer Science and Engineering	Semester – Credit based system
2	PG	M.E Computer Science and Engineering	Semester – Credit based system

6. Participation of the department in the courses offered by other departments

S.No	Semester	Subjects	Departments Involved
1	I	Computer Programming	Dept. of ECE, EEE,MECH, Civil
2	III	Object Oriented Programming and Data Structures	Dept. of Electronics and Communication Engg.
3	III	Object Oriented Programming and Data Structures Lab	Dept. of Electronics and Communication Engg.
4	IV	Object Oriented Programming	Dept. of Electrical and Electronics and Engg.
5	IV	Object Oriented Programming Lab	Dept. of Electrical and Electronics and Engg.

7. Courses in collaboration with other universities, industries, foreign institutions, etc. MoU's signed with industries

- INTEL Technology India Pvt Ltd, Bangalore.
- Wiredelta, Coimbatore.
- Infonet Innovation, Coimbatore.
- Consensus Technologies Pvt, Coimbatore.

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S.No	Name of the Organization	Name of the Course	Duration
1	Kalvi Trust For Research And Education, Coimbatore.	Amazon Web Services(AWS) Certification on Big Data	16 Hrs
2	Intel Technology India Pvt Ltd, Bangalore	Intel Certified Training Program	40 Hrs
3	Kamptek Consultancy Services, Coimbatore.	Training in Data Warehousing and Informatica	48 Hrs
4	Image Creative Education, Coimbatore.	Training in Designing Tool	48 Hrs
5	Be Positive Technologies, Coimbatore.	Training in Advanced Java Programming	48 Hrs
6	M/s ICT Academy	Data Science and Big Data Analytics	40 Hrs

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of Teaching posts

	Sanctioned	Filled
Professors	1	1
Associate Professors	1	1
Asst. Professors	12	12

10. Faculty profile with name, qualification, designation, specialization :

S.No	Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr.N.Chitra Devi	Ph.D.	Professor	ICE	19y 9m	-
2	Mr.V.Ganesh Karthikeyan*	M.E	Assoc. Prof.	CSE	12y 8m	-
3	Mr.R.Vadivel	M.E	Asst. Prof.	CSE	8y 8m	-
4	Mr.K.Sathyaseelan	M.E	Asst. Prof.	CSE	8y	-
5	Mr.S.Saravana Kumar*	M.E	Asst. Prof.	CSE	9y 1m	-
6	Ms.N.Rama Kalpana	M.E	Asst. Prof.	CSE	7y 2m	-
7	Ms.B.Janani	M.E	Asst. Prof.	CSE	6y 1m	-
8	Mrs.R.D.Priyanka	M.E	Asst. Prof.	CSE	5y 6m	-
9	Ms.V.M.Rupilaa	M.E	Asst. Prof.	SE	4y 8m	-
10	Mr.R.Sathish	M.E	Asst. Prof.	SE	3y 9m	-
11	Ms.G.Umamaheswari	M.E	Asst. Prof.	SE	3y 1m	-
12	Ms.P.Sobiyaa	M.E	Asst. Prof.	CSE	1y 9m	-
13	Ms.K.S.Jayareka	M.E	Asst. Prof.	CSE	1y 9m	-
14	Ms.P.Kavitha	M.E	Asst. Prof.	CSE	1y 9m	-

*** Pursuing Ph.D.**

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11. List of senior visiting faculty :

S.No	Name of the Visiting Faculty	Designation	Company/Institution
1	Mr. K. Shanmugam	Director	Foxbytes Technologies, Coimbatore
2	Dr. L. Latha	Associate Professor Department of CSE	Kumaraguru College of Technology, Coimbatore

12. Percentage of lectures delivered and practical classes handled by temporary faculty:

Nil

13. Student -Teacher Ratio

i. U.G. - B.E. Computer Science and Engineering

S.No	Level	Programme	Student - Teacher Ratio
1	UG	B.E – Computer Science and Engineering	20 : 1

ii. P.G. - M.E. Computer Science and Engineering

S.No	Level	Programme	Student - Teacher Ratio
1	PG	M.E – Computer Science and Engineering	12 : 1

14. Number of academic support staff (technical) and administrative staff:

Sanctioned and filled:

S.No	Staff	Sanctioned	Filled
1	Technical	2	2
2	Administrative	1	1

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15. Qualifications of teaching faculty with DSc / D.Litt / Ph.D / MPhil / PG

S.No	Academic Year	Qualification with Ph.D.	Qualification with M.E
1	2016-17	1	13

16. Number of faculty with ongoing projects from National /International funding agencies and grants received :

Nil

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received :

S.No	Academic Year	Name of the Project	Funding Agency	Status
1	2014-15	Unemployment Management System	TNSCST	Not Consider for Funding
2	2014-15	Online Automation of applying Ration Card and Voter ID	TNSCST	Not Consider for Funding
3	2015-16	Online Bus pass renewal system	TNSCST	Applied
4	2015-16	Online water tax and home tax payment system	TNSCST	Applied

18. Research Centre / Facilities recognized by the University :

Nil

19. Publications :

a) Publication per faculty:

S.No	Name of the Faculty	Publication details for last four years	
		Journals N & I	Conference N & I
1	Dr.N.Chitra Devi	8	5
2	Mr.V.Ganesh Karthikeyan	2	2
3	Mr.R.Vadivel	3	-
4	Mr.K.Sathyaseelan	1	-
5	Mr.S.Saravana Kumar	5	-
6	Ms.N.Rama Kalpana	3	2

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S.No	Name of the Faculty	Publication details for last four years	
		Journals N & I	Conference N & I
7	Ms.B.Janani	-	3
8	Mrs.R.D.Priyanka	-	-
9	Ms.V.M.Rupilaa	2	-
10	Mr.R.Sathish	-	-
11	Ms.G.Umamaheswari	-	2
12	Ms.P.Sobiyaa	-	6
13	Ms.K.S.Jayareka	-	6
14	Ms.P.Kavitha	-	5
Total		24	31

N – National, I - International

b) Number of papers published in peer reviewed journals (national /international) by faculty and students:

Academic year	International Journals	National Journals	Total
2012-13	1	-	1
2013-14	3	-	3
2014-15	7	-	7
2015-16	1	-	1
2016-17	12	-	12

Web of Science	2
Scopus	2
Humanities International Complete	-
Dare Database - International Social Sciences Directory	-
EBSCO host -	-
Any Other	-

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c) **Number listed in International Database**

d) **Monographs:** Nil

e) **Chapter in books:** Nil

f) **Books Edited:** Nil

g) **Books with ISBN / ISSN numbers with details of publishers:**
Nil

h) **Citation index:** 0.4

i) **SNIP:** Nil

j) **SJR:** 0.1

k) **Impact factor:** 1.05

l) **h-index:** 0

20. Areas of consultancy and income generated

Academic Year	Name Of the Company	Name of the faculty	Title of the Consultancy	Amount Sponsored
2014-15	Lysium Networks	Mr. S. Saravana Kumar	Website Development	25,000

21. Faculty as members in

i. National Committee ii. International Committee iii. Editorial Boards

S.No	Name of the Faculty	Professional Society /Organization	Name of the member	National/ International/ Editorial board
1	Dr.N.Chitra Devi	CSI	IM	National
		ISTE	LM	National
		IJCS	Review Member	International
		ETRI	Review Member	International
2	Mr.V.Ganeshkarthikeyan	ISTE	LM	National
3	Mr.R.Vadivel	CSI	IM	National

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S.No	Name of the Faculty	Professional Society /Organization	Name of the member	National/ International/ Editorial board
4	Mr.S.Saravana Kumar	CSI	Institutional Member	National
		ISTE	Lifetime Member	National
5	Mr.R.Sathish	IAENG	Lifetime Member	National
6	Mr.K.Sathyaseelan	IAENG	Lifetime Member	National
7	Ms.P.Sobiya	BoS, SNSCT, Coimbatore	Alumni Member	Reviewer

22. Student projects

a) Percentage of students who have done in-house projects including inter Departmental/programme:

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies:

2013-14		2014-15		2015-16		2016-17	
I	O	I	O	I	O	I	O
100	-	85	15	98	2	95	5

I – In-house projects O - Research Laboratories / Industry / Other Agencies

23. Awards/ Recognitions received by faculty and students:

S.No	Academic Year	No of awards	
		Faculty	Student
1	2013-14	-	2
2	2014-15	4	7
3	2015-16	14	26
4	2016-17	-	14

A- Award R – Recognition

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24. List of eminent academicians and scientists/ visitors to the department

Academic Year : 2014-15

Name of the Academicians / Scientists	Designation	Institution/ Industry	Date	Purpose of Visit
S. Benson Edwin Raj	Professor	Higher college of Technology OMAN	19.08.14 20.08.14	Resource Person for National workshop on Vulnerable web applications and cyber security
Dr.Pasumpon Pandian	Vice Principal, HOD (CSE)	SACS MAVMM Engineering College, Kidaripatti	09.08.14	Resource Person for Seminar on recent trends in IT
Prof. K. Gangadharan,	Head of Student Academics	Amritha University, CBE	09.10.14 10.10.14	Chief Guest for Conference on Cyber Security & Digital Forensics
Mr.Dwarakanath Cheyyur	Director – Implementation & Training	CloudReign Technologies, Chennai	29.12.14 30.12.14	Resource Person for Hands on Training on Google Apps
Mr.Sathish Kumar	CEO	Yellow Tree Academy, Coimbatore	07.02.15	Resource Person for Recent Trends in Multimedia – Seminar

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Mr.Sathish Kumar	CEO	Yellow Tree Academy, Coimbatore	07.02.15	Resource Person for One day Workshop on Designing Mobile App for Game Design
Mr. Ramesh	Senior Manager	Kalvi Higher Education and Research Institute	20.02.15 21.02.15	Resource Person for Workshop on Amazon certification in Big Data analysis
Mr. P. R. Rangaswami Mr.Padmanabhan S.	CEO	BUSHIDO Infotech Private Ltd., CBE Easy Design Systems Pvt. Ltd. CBE	06.03.15 07.03.15	Chief Guest for Inaugural function Chief Guest for valedictory function
Dr. M. Sethumadhavan Dr.M.Sundaresan	Professor & Head	Amrita VishwaVidyapeetham, CBE School of Computer Science and Engineering, Bharathiar University, CBE	26.03.15 27.03.15	Chief Guest for First National Conference on Innovative Intelligence in Computer Technology
K.S. Rajprakash	Senior Manager	Be Positive , Coimbatore	12.09.15	Resource Person for One day Seminar Mobile Application Development

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Academic Year : 2015-16

Mr. Surya	Founder & Technical Trainer	EduSeva, Coimbatore	15.09.15	Resource Person for One Day Workshop on MIT SCRATCH
Mr.Murali Krishna Abhishik Kumar	Consultant	Rplus Analytics, Bangalore	19.09.15	Resource Person for One day Seminar on Big Data Analytics using R
Mr.B.Thiagarajan	Asst. Registrar	Central University of Tamilnadu, Thiruvavur	25.09.15	Second National conference on innovative intelligence in computer technology
Mr. Dinesh Kumar Gandhi	Head – R & D member	Dynamic Technologies	26.09.15	Resource Person for One day Workshop on Cloud And Big data
Ms.YaminiShali Mr.AbdulSamad	Assistant Embedded Trainer Embedded Executive	Training Division FICE, India	15.02.16 19.02.16	Resource Person for INTEL College Excellence Program
Mr.R.Anush Kumar	Technical Architect	Consensus Technologies Pvt. Ltd.	25.02.16	Resource Person for Workshop on Python
Mr.Sathish Kumar	CEO	Yellow Tree Academy, Coimbatore	08.03.16	Resource Person for Guest lecture on Basics in Multimedia

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Mr.SenthilKumar Murugesan	Managing Director & CEO	Unilogic Technologies Pvt.Ltd Coimbatore	18.03.16	Chief Guest for Third National Conference on Innovative Intelligence in Computer Technology
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Academic Year : 2016-17

Mr. Thiyagarajan S	Opertions Head	Institute of Multimedia Arts and Graphics Effects,	27.06.16	Chief Guest for Orientation Program
Mr.Sivaraman R	Technical Head	Image Creative Education, CBE	09.07.16	Chief Guest for Association Inauguration
Mr.R.Anush Kumar	Technical Architect	Consensus Technologies CBE	04.08.16	Resource Person for Guest Lecture on “From Engineer to an Entrepreneur”
Ms.Premalatha K	Manager	Virtusa Polaris	10.09.16	Chief Guest for Joy of Engineering
Mr. Deepak Shrivastava Mr. Sunny Bhardwaj Mr. Pranav	Embedded Engineer	i3indya Technologies	20.09.16 21.09.16	Resource Person for IoT Challenge 2016 - Two Days Workshop on IoT

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Dr.E.ChandraBlessy	Associate Professor	Nehru College of Management, CBE	23.09.16	Resource Person for Guest Lecture on Internet of Things in association with CSI Coimbatore Chapter
Mr.Venkatesh	Scientist	SDSC, SHAR, ISRO-Sriharikota	06.10.16 - 08.10.16	Chief Guest for ISRO World Space Week 2016

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25. Seminars/Conferences/Workshops organized & the source of funding

a) National b) International

Academic Year	Seminars Conferences Workshops	N/ I	Title	Date	Funding Agencies
2014-15	Seminars	N	Seminar on “Recent trends in IT”	09.08.14	Self-Supported
		N	Seminar on “Recent Trends in Multimedia”	07.02.15	Self-Supported
		N	One day Workshop on “Designing Mobile App for Game Design”	07.02.15	Self-Supported
		N	Seminar on "Basics of Photography (Camera Fundamentals)	07.02.15	Self-Supported
	Conferences	N	National Conference on “Cyber Security and Digital Forensics”	09.10.14 10.10.14	Self-Supported
			First National Conference on “Innovative Intelligence in Computer Technology”	26.03.15 27.03.15	Self-Supported
	Workshops	N	National workshop on “Vulnerable web applications and cyber security”	19.08.14 20.08.14	Self-Supported
		N	National Workshop on “PC TroubleShooting and Networking’	21.01.15 22.01.15	Self-Supported
		N	Workshop on “Amazon certification in Big Data analysis”	20.02.15 21.02.15	Self-Supported

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2015-16	Seminars	N	One day Seminar on “Mobile App Development”	12.09.15	Self-Supported
		N	One day Seminar on Big Data Analytics using R	19.09.15	Self-Supported
	Conferences	N	Second National Conference on “Innovative Intelligence in Computer Technology”	25.09.15	Self-Supported
			Third National Conference on “Innovative Intelligence in Computer Technology”	18.03.16	Self-Supported
2015-16	Workshops	N	Workshop on “Introduction to Photography”	26.06.15	Self-Supported
		N	One Day Workshop on “MIT SCRATCH”	15.09.15	Self-Supported
		N	One day Workshop on “Cloud and Big Data”	26.09.15	Self-Supported
		N	One Day Workshop on “Mobile Application Development”	30.09.15	Self-Supported
		N	One day Workshop on “Photoshop & Google Sketchup”	12.12.15	Self-Supported
		N	One day Workshop on “Computer Hardware and Network Practices”	12.12.15	Self-Supported
		N	One day Workshop on “Photoshop & Google Sketchup”	18.12.15	Self-Supported
		N	Workshop on “Introduction to Photography”	08.07.15	Self-Supported
		N	INTEL College Excellence Program	15.02.16 19.02.16	Self-Supported

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2015-16		N	One-Day Workshop on “Basic Techniques in Photography and overview on DSLR and Lenses”	07.03.16	Self-Supported
2016-17	Workshops	N	IoT Challenge 2016 - Two Days Workshop on IoT	20.09.16 21.09.16	Self-Supported
		N	EMC DSA – ICTACT	17.01.16 21.01.16	Self-Supported
		N	TechIoT – Prototyping products using intel Galileo Board	25.03.17	Self-Supported
		N	Internet of Things	27.03.17 28.03.17	Self-Supported
		N	Future of Recruiting : Top Technology Trends to watch in 2017	10.03.17	Self-Supported
	Seminars	N	Multimodal Biometric Systems: Challenges and its Applications	20.07.16	Applied for TNSCST funding
	Workshop	N	IoT – Smart Application for Early Hazard Detection	07.04.17	Applied for ISRO

26. Student profile programme / course wise:

Name of the Course/ Programme	Batch	Application Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B.E - Computer Science and Engineering	2015-19	*	*	16	13	**
	2014-18	*	*	9	9	**
	2013-17	*	*	4	14	**
	2012-16	*	*	30	43	75
	2011-15	*	*	22	26	77
	2010-14	*	*	26	35	77

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Name of the Course/ Programme	Batch	Application Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M.E - Computer Science and Engineering	2016-18	*	*	-	2	**
	2015-17	*	*	1	1	**
	2014-16	*	*	2	-	50
	2013-15	*	*	-	2	100
	2012-14	*	*	13	9	100

* Through single window system and Consortium, ** NA

27. Diversity of Students

Name of the Course/ Programme	Batch	Percentage of TamilNadu Students	Percentage of other State Students	Percentage of Students from Abroad
B.E. Computer Science and Engineering	2015-19	89.6	10.4	-
	2014-18	88.8	11.2	-
	2013-17	100	-	-
	2012-16	100	-	-
	2011-15	98	2	-
	2010-14	100	-	-
M.E. - Computer Science and Engineering	2016-18	100	-	-
	2015-17	100	-	-
	2014-16	100	-	-
	2013-15	100	-	-
	2012-14	95	5	-

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28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc., ?

Name of the Competitive Examinations	2012-13		2013-14		2014-15		2015-16	
	Appeared	Cleared	Appeared	Cleared	Appeared	Cleared	Appeared	Cleared
GATE	-	-	3	1	-	-	-	-
TANCET	-	-	-	-	-	-	2	2
IAS Academy	-	-	7	-	-	-	-	-

29. Student Progression

Students Progression	2009-13	2010-14	2011-15	2012-16
UG to PG	3	2	2	1
Campus Selection / other than campus recruitment	34	56	37	69
Entrepreneurship/ Self- Employment	1	-	-	-

30. Details of Infrastructural facilities :

a) Department Library

S.No.	Descriptions	Quantity in Numbers
1	Number of titles	162
2	Number of Volumes	183
3	Number of Project Thesis(with CD)	316
4	Daily News Papers	2

b) Internet facilities for Staff & Students:

- Institution is connected with 50Mbps dedicated internet facility for staff and students, all the system are connected with network.
- All the faculty members are provided with individual PC.

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c) Class rooms with ICT facility

- Smart class room with permanent LCD and computer with internet facilities are available in the department.
- Apart from the above, 2 mobile projectors and one OHP projector facilities are available.

d) Laboratories for UG and PG

S.No	Name of the Laboratory
1	Computer Programming Laboratory
2	Programming and Data Structures Laboratory I
3	Programming and Data Structures Laboratory II
4	Database Management Systems Laboratory
5	Operating System Laboratory
6	Networks Laboratory
7	Compiler Graphics Laboratory
8	Internet Programming Laboratory
9	Case Tools Laboratory
10	Mobile Application Development Laboratory
11	Compiler Laboratory
12	Security Laboratory
13	Grid and Cloud Computing Laboratory
14	Advanced Data Structures Laboratory
15	Network Design Laboratory
16	Advanced Databases Laboratory
17	Operating Systems Design Laboratory

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	2013-14	2014-15	2015-16	2016-17	Total
No. of Students	104	98	117	40	359

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Academic Year	Date	Title	Special Lectures / Workshops / Seminar	External Experts
2014-15	07.02.15	Recent Trends in Multimedia	Seminar	Mr. Sathish Kumar, CEO Yellow Tree Academy, Cbe
		Designing Mobile App for Game design	Workshop	
	20.02.15 21.02.15	Amazon Certification in Big Data Analysis	Workshop	Mr. Ramesh, Senior Manager, Kalvi Higher Education and Research Institute, Cbe
	29.12.14 30.12.14	Google Apps Training Program	Workshop	Mr.Dwarakanath, Cheiyur, Director Cloudeign Technologies, Chennai
	09.08.14	Seminar on recent trends in IT	Seminar	Dr. Pasumponpandian, Vice Principal and HoD-CSE, SACS MAVMM Engg Coll, Kidaripatti.
2015-16	08.03.16	Guest lecture on Basics in Multimedia	Special Lecture	Mr. Sathish Kumar, CEO Yellow Tree Academy, Cbe
	25.02.16	Workshop on Python	Workshop	Mr.R.Anush Kumar Consensus Technologies Pvt. Ltd.Cbe
2015-16	15.02.16 - 19.02.16	INTEL College Excellence Program	Workshop	Ms.Yamini Shali - Assistant Embedded Trainer Mr.Abdul Samad - Embedded Executive Training Division, FICE, Bengaluru
	26.09.15	One day Workshop on Cloud And Big data	Workshop	Mr.Dineshkumar, Gandhi Head – R & D member Dynamic Technologies New Delhi

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Academic Year	Date	Title	Special Lectures / Workshops / Seminar	External Experts
	19.09.15	One day Seminar on Big Data Analytics using R	Seminar	Mr.Muralikrishna, Consultant, Rplus Analytics, Bengaluru Abhishik Kumar Consultant, Rplus Analytics, Bengaluru
	15.09.15	One day Workshop on MIT SCRATCH	Workshop	Mr. Surya, EduSeva, Cbe
2015-16	12.09.15	One day Seminar on Mobile App development	Seminar	K.S.Rajprakash, NIIT, Cbe
	08.08.15	Guest Lecture on Big Data Analysis	Guest Lecture	Mr. Ravi, Accent Techno Soft, Cbe
2016-17	23.09.16	Special Lecture on IoT during CSI Inauguration	Special Lecture	Dr.E. Chandra Blessie, Associate Professor, Nehru college of management , Cbe
	20.09.16 21.09.16	IOT Workshop in association with IIT	Workshop	Mr.Deepashrivastava, Mr. Pranav, i3indya Technologies, New Delhi

33. Teaching methods adopted to improve student learning

Aiming at the effectiveness of the teaching learning process, the department facilitates the use of various teaching tools such as

- Blackboard Activity
- Power Point Presentations
- Animation Oriented
- videos Oriented
- LMS

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- Smart Class
- Webinar
- NPTEL Video lecture

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The college has the following social welfare activities

S.No	Academic Year	Event
1	2014-15	Supporting polytechnic students with PC Troubleshooting and Networking workshop
2	2015-16	SAT – Student Assessment Test for Higher Secondary, Tamil Nadu State Board
3		Supporting polytechnic students with Photoshop and Google Sketch up workshop
4	2016-17	Tree plantation Ceremony by ECO Club at AIT Campus
5		College Campus Cleaning by ECO Club
6		Supporting polytechnic students with Photoshop and Google Sketch up workshop
7		A one day Cleanliness Campaign Programme on the theme of “Swachh Rail Swachh Bharat Abhiyaan” is organized by our college on 19/09/2016 (Monday) along with Southern Railways, Coimbatore, in order to collect the waste plastic bottles for our project on “Building with pet bottles”
8		Supporting polytechnic students with TechIoT workshops
9		Kovai Green Leauge
10		Supporting WEEP organisation by procuring their food packages to create fund to eradicate beggars and help women earn their own livelihood
11		Adithya Blood Donors Club

35. SWOC analysis of the department and Future plans & Strengths

Strength

- Conducive working environment both for faculty, staff and students.
- Dedicated faculty with expertise in diverse areas.
- Use of Innovative teaching methodologies.
- Continuous progressive evaluation system for students.
- Large number of initiatives undertaken for supporting number of slow learners and students from diverse backgrounds.
- Regularly updated SDT curriculum with industry and alumni inputs to improve employability of students.
- Strong Industry linkages like Consensus Technologies, Infonet and Wiredelta
- Special lab in tie up with INTEL Corporation to endorse technologies like IoT
- Emphasis on holistic development of students. High-quality co-curricular and extra-curricular programmes are conducted through clubs and cells throughout the year which complements class-room transactions to develop the capacity of students to think objectively and discuss freely.
- Students are accorded personal attention under Tutors and Mentors. Excellent student-teacher relationship. The availability of teachers outside classroom and working hours to guide and to counsel.
- Conferences, Workshops, Certification Programs and Guest Lectures are regularly organized.
- Library with large number of books, journals, magazines.

Weakness

- Paucity of time for the teachers for research work.
- Lack of research activities.
- Communication Skills of students.
- Low intake of students.

Opportunities

- Location advantage for strengthening academia-industry linkages.
- Streamlining collaborations and consultancy.
- Advanced teaching aid in every class room.

Challenges

- Students with diverse background with diverse needs.
- Enhancing number of students opting for entrepreneurship.

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Evaluative Report of the Department

- 1. Name of the Department** : Electronics and Communication Engineering
- 2. Year of establishment** : 2008
- 3. Names of programmes offered** :

S.No	Level	Programme
1	UG	B.E-Electronics and Communication Engineering
2	PG	M.E-Applied Electronics
3	PG	M.E-VLSI
4	Research	Ph.D./M.S (By Research)

4. Names of Interdisciplinary courses and the departments / units / subjects involved

i) U.G. - B.E. Electronics and Communication Engineering

S.No	Semester	Subjects	Departments Involved
1	01	Technical English – I	Dept. of English
2	01	Mathematics – I	Dept. of Mathematics
3	01	Engineering Physics – I	Dept. of Physics
4	01	Engineering Chemistry – I	Dept. of Chemistry
5	01	Engineering Graphics	Dept. of Mechanical Engg.
6	01	Computing Programming	Dept. of Computer Science &Engg.
7	01	Computer Practice Laboratory	Dept. of Computer Science &Engg.
8	01	Engineering Practices Laboratory	Dept. of Mechanical Engg.
9	01	Physics and Chemistry Laboratory - I	Dept. of Physics & Chemistry
10	02	Technical English – II	Dept. of English
11	02	Mathematics – II	Dept. of Mathematics
12	02	Engineering Physics – II	Dept. of Physics

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13	02	Engineering Chemistry – II	Dept. of Chemistry
14	02	Physics and Chemistry Laboratory - II	Dept. of Physics & Chemistry
15	03	Transforms And Partial Differential Equations	Dept. of Mathematics
16	03	Electrical Engg. and Instrumentation	Dept. of EEE
17	03	Object Oriented Programming and Data Structures	Dept. of CSE
18	03	OOPS and Data Structures Laboratory	Dept. of CSE
19	04	Control System Engineering	Dept. of EEE
20	04	Probability And Random Process	Dept. of Mathematics
21	04	Electrical Engg. and Control System Laboratory	Dept. of EEE
22	06	Communication and Soft Skills - Laboratory	Dept. of English

ii) P.G. - M.E. Electronics and Communication Engineering

S.No	Semester	Subjects	Departments Involved
1	01	Applied Mathematics For Electronics Engg.	Dept. of Mathematics

5. Annual / semester / choice based credit system (Programme wise)

S.No	Level	Programme	Annual / Semester Credit System
1	UG	B.E-Electronics and Communication Engineering	Semester- Credit Based System
2	PG	M.E-Applied Electronics	Semester- Credit Based System
3	PG	M.E-VLSI	Semester- Credit Based System

6. Participation of the department in the courses offered by other departments

S.No	Semester	Subjects	Departments Involved
1	01	Engineering Practices Laboratory	For all the Departments
2	02	Basics of Electrical and Electronics Engg.	Dept. of Mech & Civil
3	02	Circuit Theory	Dept. of EEE
4	02	Electric Circuits Laboratory	Dept. of EEE
5	03	Analog and Digital Communication	Dept. of CSE
6	03	Analog and Digital Communication	Dept. of Information Tech.
7	03,04	Digital Logic Circuits	Dept. of EEE
8	03	Electromagnetic Theory	Dept. of EEE
9	03	Electronic Devices and Circuits	Dept. of EEE
10	03	Environmental Science and Engineering	Dept. of EEE
11	03	Linear Integrated Circuits and its Applications	Dept. of EEE
12	03	Digital Communication Laboratory	Dept. of Information Tech.
13	03	Electronics Laboratory	Dept. of EEE
14	04	Electronics and Microprocessor	Dept. of Mechanical Engg.
15	04	Microprocessor and Microcontroller	Dept. of CSE
16	04	Microprocessor and Microcontroller	Dept. of Information Tech.
17	04	Microprocessor and Microcontroller Laboratory	Dept. of CSE & IT
18	04	Discrete Time System & Signal Processing	Dept. of EEE

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19	04	Measurement & Instrumentation	Dept. of EEE
20	05	Digital Signal Processing	Dept. of EEE
21	05	Digital Signal Processing	Dept. of Information Tech.
22	05,06	Communication Engineering	Dept. of EEE
23	06	Computer Networks	Dept. of EEE
24	06	Microprocessors and Micro Controller	Dept. of EEE
25	06,07	Digital Signal Processing	Dept. of CSE
26	06	Microprocessor and Microcontroller Laboratory	Dept. of EEE

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

- CISCO-CCNA

Course

S.No	Name of the Organization	Name of the Course	Duration of the course
1	CISCO	CCNA	60 hours/module

8. Details of courses/programmes discontinued (if any) with reasons:

Nil

9. Number of teaching posts

	Sanctioned	Filled
Professors	01	01
Associate Professors	01	01
Asst. Professors	15	15

10. Faculty profile with name, qualification, designation, specialization:

S.No	Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr.A.Rajendran	Ph.D	Dean- Electrical Sciences	Digital Image Processing	19Y9 M	3
2	Mr.V.S.Velladurai	M.E	Asst. Prof.	Embedded System Technologies	18Y 9 M	NA
3	Mr.G.C.Thygarajan	M.E	Assoc. Prof.	Applied Electronics	17Y 9 M	NA
4	Mr.V.Vijayaraghavan*	M.E	Asst. Prof.	Computer Science	13 Y 5 M	NA
5	Mr.S.Muthukumar*	M.E	Asst. Prof.	Applied Electronics	12 Y 4 M	NA
6	Mrs.M.Laavanya*	M.E	Asst. Prof.	Applied Electronics	11Y11 M	NA
7	Mrs.W.Sherine Mary*	M.E	Asst. Prof.	Communication Systems	11Y1M	NA
8	Mrs.K.P.Jamunalaksmi	M.E	Asst. Prof.	VLSI Design	6Y6M	NA
9	Mrs.V.Ganga	M.E	Asst. Prof.	Embedded System Technologies	5Y11 M	NA
10	Mr.D.Vinoth	M.E	Asst. Prof.	Communication Systems	5Y7M	NA
11	Mr.P.Ravishankar	M.E	Asst. Prof.	Communication Systems	4Y9M	NA

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12	Mr.S.Mohammed Harris*	M.E	Asst. Prof.	VLSI Design	3Y11M	NA
13	Ms.S.R.Romaa	M.E	Asst. Prof.	Wireless Technologies	3Y11M	NA
14	Ms.P.Muthuvidhya	M.E	Asst. Prof.	Applied Electronics	1Y9M	NA
15	Mr.J.R.Nishanth	M.E	Asst. Prof.	Embedded System Technologies	1Y9M	NA
16	Mr.K.Muniraj	M.E	Asst. Prof.	Applied Electronics	1Y9M	NA
17	Mr.K.Jagdeesh	M.E	Asst. Prof.	Communication Engg.	1Y9M	NA

* Pursuing Ph.D.

11. List of senior visiting faculty :

Sl.No	Name of the Visiting Faculty	Designation	Company/Institution
1	Dr.Rajeev Sukumaran	Senior Advisor, Teaching Learning Centre	IIT Madras

12. Percentage of lectures delivered and practical classes handled by temporary faculty:

Nil

13. Student -Teacher Ratio

i.U.G. - B.E. Electronics and Communication Engineering

S.No	Level	Programme	Student - Teacher Ratio
1	UG	B.E. Electronics and Communication Engineering	20:1

ii.P.G. - M.E. Applied Electronics

S.No	Level	Programme	Student - Teacher Ratio
1	PG	M.E. Applied Electronics	12:1
2	PG	M.E. VLSI Design	12:1

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14. Number of academic support staff (technical) and administrative staff: Sanctioned and Filled

S.No	Staff	Sanctioned	Filled
1	Technical	1	1
2	Administration	1	1

15. Qualifications of teaching faculty with DSc / D.Litt / Ph.D / MPhil / PG

S.No	Academic Year	Qualification with Ph.D.	Qualification with M.E.
1	2016-2017	1	16

16. Number of faculty with ongoing projects from National /International funding agencies and grants received: Nil

S.No.	Organization	Title	Status
1	SERB	Seven Day Workshop on Advanced Microprocessor	Not considered for funding
2	CSIR	Seven Day Workshop on Implementation of Cryptographic algorithms using advanced processors	Not considered for funding

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received:

These students have been funded by DST and TI with 200 dollars for which they can buy TI evaluation boards and IC's.

Batch No	Reg.No	Name of Students	Department	Year	Title of Project
1	710114106016 710114106017 710114106301 710114106014 710114106317	TamizhSelvan P Vinoth Kumar M Aravindasamy M Jeyaram A Vignesh G	ECE	3rd Year	Border Alert for Fisherman
2	710114106014 710114106013 710114106303 710114106304 710114106302	Ranjithkumar D.S PadmapriyaS ArunkumarT DhanarajV ArokkiajulieA	ECE	3rd Year	Smart EB Billing System

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18. Research Centre / Facilities recognized by the University:

Yes, Electronics and Communication Engineering department is approved as research centre by Anna University, Chennai

19.i. Publications :

S.No	Name of the Faculty	Publications for last four years	Total
1	Dr.A.Rajendran	2	2
3	Mr.S.Muthukumar	1	1
4	Mrs.M.Laavanya	5	5
5	Mrs.W.Sherinemary	1	1
6	Mr.V.Vijayaraghavan	5	5
9	Mrs.V.Ganga	1	1
10	Mr.S.Mohammed Harris	1	1
14	Mr.K.Muniraj	2	2
15	Ms.P.Muthuvidhya	2	2
Total		20	

ii. Conference

S.No	Name of the Faculty	Conference Attended for last Four Years		Total
		I	N	
1	Dr.A.Rajendran	-	3	3
2	Mr.S.Muthukumar	1	-	1
3	Mrs.M.Laavanya	2	-	2
4	Mrs.W.Sherinemary	1	-	1
5	Mr.P.Ravishankar	1	-	1
7	Mrs.K.P.Jamunalaksmi	-	1	1
8	Mrs.V.Ganga	2	-	2
9	Mr.K.Muniraj	2	-	2
10	Ms.P.Muthuvidhya	3	-	3
Total		12	4	16

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20. Areas of consultancy and income generated:

Income generated through CCNA course - Rs.1, 80,000/-

21. Faculty as members in

i. National Committee ii. International Committee iii. Editorial Boards

S.No	Name of the faculty	Professional Society/ Organization	Name of the member	National/ International/ Editorial board
1	Dr.A.Rajendran	ISTE	Life Member	National Society
		Coimbatore Institute of Information and Technology – Journal of Information and Technology	Advisory Committee Member & Reviewer	Editorial board
		International Journal of Biomedical and Control	Reviewer	Editorial board
		The Open Cybernetics and Systemic Journal	Reviewer	Editorial board
2	Mr.S.Muthukumar	ISTE	Life Member	National Society
3	Mrs.M.Laavanya	ISTE	Life Member	National Society
		IEICE	Overseas member	International Society
		ISRD	Life member	International Society
4	Mrs.W.Sherine Mary	ISTE	Life member	National Society
5	Mr.V.Vijayaraghavan	ISTE	Life member	National Society
		ISRD	Life member	International Society

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22. Student projects

i. Percentage of students who have done in-house projects including inter\ departmental/Programme:

ii. Percentage of students placed for projects in organizations outside the institution.

2013-14		2014-15		2015-16		2016-17	
I	O	I	O	I	O	I	O
100%	0%	96%	4%	100%	0%	92%	8%

I – In-house projects O - Research Laboratories / Industry / Other Agencies

23. Awards/ Recognitions received by faculty and students:

Description	Awards/ Recognitions Received in	2013-14	2014-15	2015-16	Total
Faculty	Curricular	-	4	12	16
Students	Curricular	5	20	18	43
	Co-Curricular	6	5	2	13

A- Award R – Recognition

24. List of eminent academicians and scientists/ visitors to the department

Academic Year	Name of the Academicians / Scientists	Designation	Institution/ Industry	Date	Purpose of Visit
2014-15	Prof.K.Smiles Mascarenhas	Retired Scientist	Raman Research Institute , Bangalore.	31.09.14 01.10.14	Winter Enrichment Programme

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2014-15	V.Rajagopal	Art teacher	Tamilnadu State Resource for Art and Education	02.11.14	National Level Drawing Competition For School Students
	Shri.Anuradha Sharma	Program Manager	Social Innovation Group, India, Nepal And Bangladesh, Cisco Systems	13.11.14	Inauguration Of Cisco Networking Academy
	'EQIP Foundation-Members	Members	EQIP Foundation'	03.01.15	"Pedagogy Enrichment Program In Physics-PEPIP"
	Prof.Satheesh Kumar	Member, MTLC	Wipro Technologies, Bangalore	23.03.15 – 25.03.15	Engineering Faculty Workshop
2015-16	Prof.Satheesh Kumar	Member, MTLC	Wipro Technologies, Bangalore	30.11.15 – 01.12.15	Engineering Faculty Workshop
	Dr.M.Jagadeeshwari	Associate Professor	Sri Ramakrishna Engineering College	27.05.15	Refresher Courses For Freshly Recruited Faculty

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2015-16	Dr. V. K. Manoharan	Professor	PSG College Of Technology	28.05.15	Refresher Courses For Freshly Recruited Faculty
	Prof.D.Jeyakumari	Associate Professor	RVS College Of Engineering & Technology	21.05.15	Refresher Courses For Freshly Recruited Faculty
	Prof.Krishna Prakash	Associate Professor	Amrita University, Coimbatore	02.06.15	Refresher Courses For Freshly Recruited Faculty
	Prof.K.Vijayakumar	Associate Professor	Dr.Mahalin gam college of Engg. & Tech. Pollachi	05.06.15	Refresher Courses For Freshly Recruited Faculty
2016-17	Ramesh Narayanan	Scientist	Material Characterisa tion Division, at VSSC,ISR O	06.10.16 - 08.10.16	World Space Week '16

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25.Seminars/Conferences/Workshops organized & the source of funding

a) National b) International

Academic Year	Seminars Conferences Workshops	N/ I	Title	Date	Funding Agencies
2016-17	Workshop	N	Hands-on training & Workshop on PCB Design and Fabrication	08.09.16	Adithya Institute of technology
2015-16	Conference	N	National Conference on Communication, Electrical and Electronics System (NCCEES'16)	30.03.16	Adithya Institute of technology
	Workshop	N	Workshop on MATLAB Programming and Applications	23.03.16	Global Institute of Industrial Training & Research (GIITR)
	Workshop	N	Wipro Mission 10X Workshop on Advanced Microprocessors	12.03.16	Wipro Mission10x Technology Learning Centre
	Workshop	N	Wipro Mission 10X Workshop on Advanced Microprocessors	11.03.16	Wipro Mission10x Technology Learning Centre, AIT
	Workshop	N	Wipro Mission 10X Workshop on Advanced Microprocessors	12.03.15	Wipro Mission10x Technology Learning Centre
	Workshop	N	Workshop on Networking	11.12.15	CISCO Networking Academy, AIT

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	Workshop	N	Wipro Mission 10X Workshop on Advanced Microprocessors	11.12.15	Wipro Mission10x Technology Learning Centre, AIT
	Workshop	N	Wipro Mission 10X Workshop on Advanced Microprocessors	08.12.15	Wipro Mission10x Technology Learning Centre, AIT
	Workshop	N	Wipro Engineering Faculty Workshop	30.11.15 - 02.12.15	Wipro Mission10x Technology Learning Centre
2015-16	Workshop	N	Workshop on Embedded System Design using ARDUINO	22.08.15	Adithya Institute of technology
	Workshop	N	Wipro Mission 10X Workshop on Advanced Microprocessors	14.08.15	Wipro Mission10x Technology Learning Centre
	Workshop	N	Wipro Mission 10X Workshop on Advanced Microprocessors	07.08.15	Wipro Mission10x Technology Learning Centre
	Workshop	N	Wipro Mission 10X Workshop on Advanced Microprocessors	05.08.15	Wipro Mission10x Technology Learning Centre
	Workshop	N	Wipro Mission 10X Workshop on Advanced Microprocessors	01.08.15	Wipro Mission10x Technology Learning Centre

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2015-16	Workshop	N	Workshop on PCB Design & Fabrication	15.07.15	Adithya Institute of technology
2014-15	Workshop	N	Wipro Engineering Faculty Workshop	23.03.15 - 25.03.15	Wipro Mission10x Technology Learning Centre
	Workshop	N	Workshop on Industrial Automation using PLC and SCADA	21.02.15	Adithya Institute of technology
	Symposium	N	National Level Technical Symposium for Polytechnic Students	20.02.15	Adithya Institute of technology
	Workshop	N	Pedagogy Enrichment Program in Physics- PEPiP for school teachers	03.01.15	Adithya Institute of technology
	Workshop	N	Workshop on Advanced Microprocessor	08.12.14 - 13.12.14	Wipro Mission10x Technology Learning Centre
	Workshop	N	Workshop on PCB Design and Manufacturing	03.12.14 - 04.12.14	Adithya Institute of technology
	Programme	N	Winter Enrichment Enhancement –WEE Program	31.09.14 - 01.10.14	Adithya Institute of technology

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2014-15	Workshop	N	Workshop on Hands-on training using Arduino	15.09.14	Adithya Institute of technology
	Event	N	National Level Technical Expo "TECH EXPO 2K14"	19.09.14	Adithya Institute of technology
	Seminar	N	Seminar on Electromagnetic Interference and Compatibility	11.09.14	Adithya Institute of technology

26. Student profile programme / course wise:

Name of the Course/ Programme	Batch	Application Received	Selected	Enrolled		Graduate Pass Percentage
				M	F	
B.E. ECE	2013-17	*	*	22	41	**
	2012-16	*	*	42	45	86.20
	2011-15	*	*	50	52	77.45
	2010-14	*	*	53	46	72.72
M.E. – Applied Electronics	2016-18	*	*	01	01	**
	2015-17	*	*	**	01	**
	2014-16	*	*	**	**	**
	2013-15	*	*	1	3	100
	2012-14	*	*	2	5	85.71
M.E.- VLSI Design	2013-15	*	*	0	2	50

*Through single window system and consortium, **NA

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27. Diversity of Students

Name of the Course/ Programme	Batch	% of Tamil Nadu Students	% of other State Students	% of Students from Abroad
B.E. Electronics and Communication Engineering	2015-19	93.18	6.81	Nil
	2014-18	93.54	6.45	Nil
	2013-17	98.41	1.58	Nil
	2012-16	100	Nil	Nil
M.E. – Applied Electronics	2013-15	100	Nil	Nil
	2014-16	Nil	Nil	Nil
	2015-17	100	Nil	Nil
M.E. – VLSI	2013-15	100	Nil	Nil
	2014-16	Nil	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc., ?

Name of the Competitive Examinations	2014-15	2015-16	2016-17	Total
TANCET	5	6	NA	11
GATE	0	4	NA	4

29. Student Progression

Students Progression	2009-13	2010-14	2011-15	2012-16
UG to PG	16	25	15	1
Campus Selection / other than campus recruitment	36	50	50	45
Entrepreneurship/ Self- Employment	0	5	3	0
Others	Nil	Nil	Nil	Nil

30. Details of Infrastructural facilities:**a) Department Library:**

Descriptions	Quantity in Numbers	
Department Library for Reference	Titles	90
	Volumes	129
News Papers	Yes	
Power Point Presentations	For each course in LMS	
OHP	1	

b) Internet facilities for Staff & Students

- Institution is connected with 50Mbps dedicated internet facility for staff and students. All systems are connected to the network.
- All faculty members are provided with individual PC.

c) Class rooms with ICT facility

- Smart class room with permanent LCD and computer with internet facility available in the department.
- Apart from the above 3 mobile projectors and one OHP projector facility available

d) Laboratories for UG and PG 2015-16

S.No	Name of the Laboratory
1	Communication Systems Laboratory
2	Microwave/Fiber Optical Laboratory
3	Digital/LIC Laboratory
4	DSP/VLSI Laboratory
5	Embedded System Design Laboratory
6	EC/Sim Laboratory
7	Microprocessor/Microcontroller Embedded Laboratory
8	Computer networks Laboratory
9	Computing Laboratory
10	Electronic system design (PG) Laboratory
11	VLSI (PG) Laboratory

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31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	2016-17	2015-16	2014-15
No of Students	121	144	158

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Details of Skill Development Programme:

Batch: 2013-17 (Current Final Year)

S.No	Academic Year	Semester	Name of the Skill	Name of the Organization
1	2014-15	III	PSPICE Programming	JRM Technologies,CBE
2			Digital System Design using VHDL	JRM Technologies,CBE
3		IV	PCB Design & Fabrication	JRM Technologies,CBE
4			Embedded System Design	JRM Technologies,CBE
5	2015-16	V	PLC & SCADA	Ladder Logix,CBE
6			LABVIEW	CADD Leader,CBE

Batch: 2014-18 (Current Third Year)

S.No	Academic Year	Semester	Name of the Skill	Name of the Organization
1	2015-16	III	PSPICE Programming	JRM Technologies,CBE
2			Digital System Design using VHDL	JRM Technologies,CBE
3		IV	PCB Design & Fabrication	JRM Technologies,CBE
4			Embedded System Design	Global Institute of Industrial Training & Research, CBE
5	2016-17	V	PLC & SCADA	Sunrise Automation And Solutions,CBE
6			LABVIEW	CADD Leader,CBE

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Batch: 2015-19 (Current Second Year)

S.No	Academic Year	Semester	Name of the Skill	Name of the Organization
1	2016-17	III	PSPICE Programming	JRM Technologies,CBE
2			Digital System Design using VHDL	JRM Technologies,CBE
3		IV	PCB Design & Fabrication	Internal –Adithya Institute of Technology
4			Embedded System Design	Internal –Adithya Institute of Technology
5	2017-18	V	PLC & SCADA	Internal –Adithya Institute of Technology
6			LABVIEW	Internal –Adithya Institute of Technology

Batch: 2012-16 (Passed Out- Batch)

S.No	Academic Year	Semester	Title/Name of the Skill	Name of the Organization
1	2013-14	III	Embedded System Design - I	JRM Technologies,CBE
2			Data Structures & OOPS	Internal – Adithya Institute of Technology
3		IV	PCB Design & Fabrication	JRM Technologies,CBE
4			Embedded System Design - II	JRM Technologies,CBE
5	2014-15	V	VLSI Design	JRM Technologies,CBE
6			PLC/SCADA	Prolific Systems & Technologies PvtLtd,CBE

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Special Lecture/Workshops/Seminars:

Academic Year	Special Lectures / Workshops / Seminar	Title	Date	External Experts
2014-15	Lecture	Inauguration Of Cisco Networking Academy	13.11.14	Shri.Anuradha Sharma, Program Manager Social Innovation Group, India, Nepal And Bangladesh, Cisco Systems
	Workshop	One Day Workshop Hands on Training using Arduino	15.09.14	Dr.R.Vimalathithan
	Workshop	Workshop On PCB Design and Fabrication	02.12.14 03.12.14	Mr.N.Sethuraman, Design Engineer, JRM Technologies, Coimbatore
2015-16	Workshop	Hands on Workshop On PCB Design and Fabrication	07.08.15 08.08.15	Mr.N.Sethuraman, Design Engineer, JRM Technologies, Coimbatore
	Workshop	Workshop on MATLAB Programming and Applications	23.03.16	Ms.Sathyabaama Global Institute of Industrial Training & Research (GIITR)
2016-17	Workshop	PCB Design and Fabrication (Hands -on Training)	08.09.16	Mr.N.Sethuraman, Design Engineer, JRM Technologies, Coimbatore.
	Interaction	World Space Week '16	06.10.16 - 08.10.16	Ramesh Narayanan, Scientist, Material Characterisation Division, at VSSC,ISRO

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33. Teaching methods adopted to improve student learning

To improve student learning the methods adopted by the department of Electronics and Communication are

- Blackboard Activity
- Smart Class Rooms with overhead projectors for screening Videos and Presentations
- Online LMT tests to evaluate students
- LMS with contents like Notes, Questions and Answers, Quizzes, Presentations and Application of Concepts.
- Special coaching classes for students who are unable to cope up with regular classes

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The college has the following social welfare activities

S.No	Academic Year	Date	Event	Students
1	2015-16	12.03.16	Workshop(To improve their chances of placement/kindle interest in higher studies	Polytechnic Students
2		11.03.16	Workshop(To improve their chances of placement/kindle interest in higher studies	Polytechnic Students
3		12.12.15	Workshop(To improve their chances of placement/kindle interest in higher studies	Polytechnic Students
4		11.12.15	Workshop(To improve their chances of placement/kindle interest in higher studies	Polytechnic Students
5		11.12.15	Workshop(To improve their chances of placement/kindle interest in higher studies	Polytechnic Students
6		08.12.15	Workshop(To improve their chances of placement/kindle interest in higher studies	Polytechnic Students

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7	2015-16	22.07.16	Tree plantation program	15
8		22.08.15	Workshop(To improve their chances of placement/kindle interest in higher studies	Polytechnic Students
9		14.08.15	Workshop(To improve their chances of placement/kindle interest in higher studies	Polytechnic Students
10		07.08.15	Workshop(To improve their chances of placement/kindle interest in higher studies	Polytechnic Students
11		05.08.15	Workshop(To improve their chances of placement/kindle interest in higher studies	Polytechnic Students
12		01.08.15	Workshop(To improve their chances of placement/kindle interest in higher studies	Polytechnic Students
13	2016-17	19.09.16	Swatch Bharat campaign, cleaning of railway station	50
14		06.03.17	Supporting WEEP organization by procuring their food packages to create fund to eradicate beggars and help women earn their own livelihood	45

35. SWOC analysis of the department and Future plans & Strengths

Strengths

- 3 Special labs which improve the skill of students, and provide a platform to exhibit their knowledge.
- Anna University Recognized Department R&D Centre for Collaborative Research Work
- Highly motivated staff members guiding industry projects done by students
- Participation and prizes won by students in national level competitions conducted by WIPRO technologies.
- Two Skill Development programmes which provide hands-on experience in technical domains apart from curriculum every semester.

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- Application oriented projects after skill development every semester.
- Strong connect with Industry

Weaknesses

- Low number of inter disciplinary projects
- Less number of faculty members with industrial experience
- More than 50% of the students are from rural areas and do not possess good communication skills.

Opportunities

- Revenue generation from industry consultancy projects
- Scope for product development considering real time problems

Challenges

- Placement in core engineering companies
- Secure funded research projects
- Achieve 100 % graduation pass percentage

Future Plans

- Further improve the Industry Linkage to provide more opportunities for students
- Development of research laboratories & procurement of advanced software to facilitate research initiatives.
- Encourage and support the faculty for filing patents

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Evaluative Report of the Department

- 1. Name of the Department** : Electrical and Electronics Engineering
- 2. Year of establishment** : 2011
- 3. Names of programmes offered** :

S.No	Level	Programme	Sanctioned Intake	Year of Start
1	UG	B.E-Electrical and Electronics Engineering	60	2011

4. Names of Interdisciplinary courses and the departments / units / subjects involved

i. U.G. - B.E. Electrical and Electronics Engineering

S.No	Semester	Subjects	Departments Involved
1	03	MA6351 Transforms and Partial Differential Equations	Science & Humanities
2	04	MA6459 Numerical Methods	Science & Humanities
3	04	CS6456 Object Oriented Programming	CSE
4	04	CS6461 Object Oriented Programming Laboratory	CSE
5	05	ME6701 Power Plant Engineering	Mechanical Engineering
6	05	GE6674 Communication and Soft Skills- Laboratory Based	Science & Humanities
7	06	EC6651 Communication Engineering	ECE
8	06	EE6612 Microprocessors and Microcontrollers Laboratory	ECE

5. Annual / semester / choice based credit system (Programme wise)

S.No	Level	Programme	Annual / Semester Credit System
1	UG	B.E- EEE	Semester - Credit based system

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6. Participation of the department in the courses offered by other departments

S.No	Semester	Subjects	Departments Involved
1	02	GE6252 Basic Electrical and Electronics Engineering	Dept. of Civil & Mechanical Engineering
2	03	EE6351 Electrical Drives and Controls	Dept. of Mechanical Engineering
3	03	EE6365 Electrical Engineering Laboratory	Dept. of Mechanical Engineering
4	02	EE6201 Circuit Theory	Dept. of Electronics & Communication Engg.
5	02	EC6211 Circuits and Devices Laboratory	Dept. of Electronics & Communication Engineering
6	03	EE6352 Electrical Engineering and Instrumentation	Dept. of Electronics & Communication Engineering
5	04	EE6461 Electrical Engineering and Control System Laboratory	Dept. of Electronics & Communication Engg.

7. Courses in collaboration with other universities, industries, foreign institutions, etc. :

Nil

8. Details of courses/programmes discontinued (if any) with reasons:

Nil

9. Number of Teaching posts

	Sanctioned	Filled
Professors	1	1
Associate Professors	1	1
Asst. Professors	8	8
Total	10	10

10. Faculty profile with name, qualification, designation, specialization :

S.No	Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr.P.Ramamoorthi	Ph.D.	Prof	MN	38y 7m	4
2	D.V.Ravikumar *	M.E	Asso Prof	PE	16y9m	
3	T.Kirbakaran	M.E	Asst. Prof.	AE	7y 10m	
4	R.Senthilkumar *	M.E	Asst. Prof.	ES	7y 4m	-
5	G.Vinoth	M.E	Asst. Prof.	VLSI	4y 3m	
6	M.Roselin Esther Rani	M.E	Asst. Prof.	AE	3y 3m	
7	K.Lokesh	M.E	Asst. Prof.	PS	3y 3M	
8	S.Rajesh	M.E	Asst. Prof.	PS	3y 3m	
9	P.Keerthana	M.E	Asst. Prof.	PE	1y 4m	
10	T.Jayaprakash	M.E	Asst. Prof.	PE	2y 2m	

*** Pursuing Ph.D.**

11. List of senior visiting faculty :

Nil

12. Percentage of lectures delivered and practical classes handled by temporary faculty:

Nil

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13. Student -Teacher Ratio :

S.No	Level	Programme	Student-Teacher ratio
1	UG	B.E – Electrical & Electronics Engineering	20:1

14. Number of academic support staff (technical) and administrative staff :

S.No	Staff	Sanctioned	Filled
1	Technical	1	1

15. Qualifications of teaching faculty with DSc / D.Litt / Ph.D / MPhil / PG

S.No	Academic Year	Qualification with Ph.D.	Qualification with M.E
1	2016-17	1	9

16. Number of faculty with ongoing projects from National /International funding agencies and grants received

Nil

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received :

Nil

18. Research Centre / Facilities recognized by the University :

Nil

19. Publications :

a) Publication per faculty: 3 per year

S.No	Name of the Faculty	Publication for last four years		Total
		N	I	
1	P.Keerthana	-	2	2
2	G.Vinoth	1	-	1
3	D.V.Ravikumar	-	2	2
4	K.Lokesh	-	2	2
5	R Senthilkumar	-	1	1
Total				11

N- National I – International

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b) Conference:

S.No	Name of the Faculty	Publications in		Total
		N	I	
1	D.V.Ravikumar	1	-	1
2	T.Kirubhakaran	1	-	1
3	R.Senthilkumar	1	2	3
4	G.Vinoth	2	2	4
5	K.Lokesh	2	-	2
6	S.Rajesh	1	-	1
7	P.Keerthana	2	2	4
8	M.Roselin Esther Rani	2	-	2
Total				22

20. Areas of consultancy and income generated

Academic Year	Name of the Company	Name of the faculty	Title of the Consultancy	Amount Sponsored
2015-16	Indian Institute of Energy Association & management professional	R.Senthil kumar	Energy Management	Rs.20,000 /-

21. Faculty as members in

i. National Committee ii. International Committee iii. Editorial Boards

S.No	Name of the faculty	Professional Society/Organization	Name of the member	National/ International/ Editorial board
1	T.Kirubhakaran	MISTE	Life Member	International
2	R.Senthilkumar	Research Gate	Member	International

22. Student projects

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a. Percentage of students who have done in-house projects including inter departmental.

b. Percentage of students placed for projects in organizations outside the institution i.e.in

Research laboratories/Industry/other agencies

Courses	2013-14		2014-15		2015-16		2016-17	
	I	O	I	O	I	O	I	O
B.E. EEE	71 %	29%	83 %	17%	94 %	16%	100%	0

I – In-house projects O - Research Laboratories / Industry / Other Agencies

23. Awards/ Recognitions received by faculty and students:

S.No	Academic Year	No of awards
1	2016-17	5
2	2015-16	4
3	2014-15	3
4	2013-14	3
5	2012-13	1

24. List of eminent academicians and scientists/ visitors to the department

Academic Year	Name of the Academicians / Scientists	Designation	Institution/ Industry	Date	Purpose of Visit
2016-17	Mr.S.Kamalakannan	Manager Sales	Grund foss pvt ltd	27.01.17	Special Talk
2016 -17	Mr.S.RamPRakash	Cheif Exceutive	TNEB	27.01.17	Work shop
2016 – 17	Mr.V.BalaSubramani	CEO	GS Textile Industry	27.01.17	Work shop
2016 - 17	Mr.B.Somasundaram	Manager	ZF Wind power Solutions	28.01.17	Work shop
2016 – 17	Mr.B.Balasubrmani	Rotary – Engineer	VX control Panels	28.01.17	Work shop

25. Seminars/Conferences/Workshops organized & the source of funding

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a) National b) International

Academic Year	Seminars Conferences Workshops	N/ I	Title	Date	Funding Agencies
2012-13	Workshop	N	A Synergy of Core Competencies	25.03.13	AIT
2013-14	Seminar	N	The ARM Architecture	11.03.13	AIT
2013-14	Conference	I	Third National Conference On Computing, Communications And Devices	08.02.13 09.02.13	AIT
2014-15	Conference	N	Fourth national conference on Endorsement in Electrical Sciences	19.03.14	AIT
2015-16	Conference	N	National conference “communication, electrical, electronics and systems”	30.03.16	AIT
2015-16	Workshop	N	Two days workshop on “PSPICE”	30.07.15 31.07.15	JRM Technologies, Coimbatore
2015-16	Workshop	N	. Two days workshop on “PLC & SCADA”	21.08.15 22.08.15	Sunrise Automation, Coimbatore
2015-16	Workshop	N	Faculty Development Program on Research	13.08.15 14.08.15	AIT
2015-16	Workshop	N	One day workshop on PLC & SCADA	20.02.15	AIT
2015-16	Conference	N	One day Symposium for Polytechnic students	21.02.15	AIT
2015-16	Workshop	N	One day workshop on Embedded system Design using Arduino	22.08.15	JRM Technologies, Coimbatore

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26. Student profile programme / course wise:

Name of the Course/ Programme	Batch	Application received	Selected	Enrolled		Pass Percentage
				Male	Female	
B.E. Electrical & Electronics Engineering	2011 – 2015	*	*	47	8	83.63
	2012 - 2016	*	*	39	7	84.78
	2013 – 2017	*	*	19	4	**
	2014 - 2018	*	*	25	5	**
	2015 – 2019	*	*	12	8	**

* Through single window system and Consortium, ** NA

27. Diversity of Students

Name of the Course/ Programme	Batch	Percentage of Tamil Nadu Students	Percentage of other State Students	Percentage of Students from Abroad
B.E. Electrical & Electronics Engineering	2011-15	100	-	-
	2012-16	100	-	-
	2013-17	100	-	-
	2014-18	100	-	-
	2015-19	95	5	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc., ?

Nil

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29. Student Progression

Students Progression	2011-15	2012-16	2013-17	2014-18
UG to PG	-	-	-	-
Campus selection/other than campus recruitment	38	20	05	
Entrepreneurship/ Self- Employment	12	6	02	
Others	50	26	07	

30. Details of Infrastructural facilities :

a) Department Library

S.No.	Descriptions	Quantity in Numbers
1	Number of titles	20
2	Number of volumes	01
3	News Papers	01
4	Number of project thesis	26

b) Internet facilities for Staff & Students:

- Institution is connected with 50Mbps dedicated internet facility for staff and students, all the system are connected with network.
- All the faculty members are provided with individual PC

c) Class rooms with ICT facility

- Class room with permanent LCD and computer with internet facility available in the department.
- Apart from this one OHP projector facility is available.

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d) Laboratories for UG

S.No	Name of the Laboratory
1	GE6162 Engineering Practices Laboratory
2	EE6211 Electric Circuits Laboratory
3	EC6361 Electronics Laboratory
4	EE6311 Linear and Digital Integrated Circuits Laboratory
5	EE6411 Electrical Machines Laboratory - I
6	EE6511 Control and Instrumentation Laboratory
7	EE6512 Electrical Machines Laboratory - II
8	EE6611 Power Electronics and Drives Laboratory
9	EE6612 Microprocessors and Microcontrollers Laboratory
10	ME 2209 Electrical Engineering Laboratory

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	2016-17	2015-16	2014-15	2013-14	2012-13
No of Students	16	35	47	24	77

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Academic Year	Special Lectures / Workshops / Seminar	Title	Date
2012-13	Workshop	A Synergy of Core Competencies	25.03.13
2013-14	Seminar	The ARM Architecture	11.03.13
2015-16	Workshop	Two days workshop on "PSPICE"	30 & 31.07.15
2015-16	Workshop	Two days workshop on "PLC & SCADA"	21 & 22.08.15
2015-16	Workshop	Faculty Development Program on Research	13 & 14.08.15
2015-16	Workshop	One day workshop on PLC & SCADA	20.02.16
2015-16	Workshop	One day workshop on Embedded system Design using Arduino	22.08.16

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33. Teaching methods adopted to improve student learning

Aiming at the effectiveness of the teaching learning process, the department facilitates the use of various teaching methods / tools such as

- Animation Oriented concept explanation
- Course plan, lesson plan, session plan, lecture notes are uploaded in Adithya LMS, students can refer anywhere
- Industrial visit has been arranged according to their curriculum and evaluate their knowledge grasped.
- Group discussion, technical presentation, tutorial class have conducted
- Last ten minutes of each hour, students are allowed to summarize the topic covered on that period
- Smart Class Room teaching enrich their knowledge level
- Students can utilize the laboratory resources at any time
- Daily news papers are placed in veranda
- Video lectures while taking class
- NPTEL Video lecture
- Application oriented Concept details for Lesson wise and Session wise
- Learning Measurement Test for Session wise
- Consolidated unit overview of the subjects
- Faculty prepared hand written notes
- Special classes during examination time
- Special classes for slow learners during evening hours
- Library facility are available within the department
- Internet facility are available in department attached laboratory, students can utilize and update their knowledge.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The department has the following social welfare activities

S.No	Academic Year	Event	Students
1	2015-16	Food preparation during Chennai flood	25
2	2016-17	Swatch Bharat campaign, cleaning of railway station	50
3	2015-16	Supporting rural schools by conducting tests on objective type questions	20
4	2014-15	Supporting polytechnic students with PLC & SCADA	25

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5	2015-16	Supporting rural schools with lab facilities for vocational students	10
6	2016-17	Right to vote awareness campaign	25
7	2016-17	Tree plantation program	15
8	2016-17	Removal of seemai karuvelam trees	80
9	2016-17	Supporting WEEP organisation by procuring their food packages to create fund to eradicate beggars and help women earn their own livelihood	45
10	2016-17	Greenest Campus Awards for school students	10

35. SWOC analysis of the department and Future plans

Strength:

- We have students from various states and this enhances and also exchanges their views and socio cultural behaviour of students.
- We have strong industrial connect with in our group of Electrical industries
- Industry powered PLC & SCADA Labs.
- Continuous encouragement given to Students to participate in various national level technical
- events and also they won the prizes
- Faculty taking part in national and international conferences, seminars and workshops on their domains
- Good amount of papers published in national and international level journals
- Around 20 % of faculty members are pursuing Ph.D. research.
- Our students are capable to train other Polytechnic and Engineering college students
- Serene and Well equipped infra structure and laboratories
- Industry oriented projects done by the students under the guidance of faculty
- Faculties are Qualified, experienced with academic and industrial backgrounds with high commitments.

Weakness:

- Acquiring funded research projects
- Less number of participation in activities of industry bodies

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- Less number of inter disciplinary projects
- To publish more research papers in high impact factor journals.
- In filing the patents

Opportunities:

- To afford testing and consultancy services to the industries
- Involvement in rural development activities through various club activities
- Industry oriented Skill development Training.

Challenges

- Lesser placement in core companies.
- Lesser openings in companies for fresher.
- Global technological update.
- Getting Industrial Projects and Visits in highly developed industries.
- Improving learning qualities for rural students
- Participation of students in technical events are minimal

Future Plans

- Organizing international conferences, seminars and workshops in emerging field.
- To obtain NBA status for UG programme.
- Establishing Centre of Excellence in Design and Thermal stream.
- To file patents of innovative projects.
- To produce high number of Entrepreneurs.
- Improve the graduation rate
- Augmenting the number of consultancy projects
- Attain University Rank.
- Getting research grants from reputed funding agencies

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Evaluative Report of the Department

1.Name of the Department : **Information Technology**

2.Year of establishment : **2008**

3.Names of programmes offered :

S.No	Level	Engineering/Technology
1	UG	B.Tech. - Information Technology

4. Names of Interdisciplinary courses and the departments / units / subjects involved

i. U.G. - B.Tech. Information Technology

S.No	Semester	Subjects	Departments Involved
1	03	Transforms and Partial Differential Equation	Dept. of Mathematics
2	03	Analog and Digital Communication	Dept. of Electronics and Communication Engineering
3	03	Digital Communication laboratory	Dept. of Electronics and Communication Engineering
4	04	Probability and Queuing Theory	Dept. of Mathematics
5	04	Microprocessor and Microcontroller	Dept. of Electronics and Communication Engineering
6	04	Microprocessor and Microcontroller Laboratory	Dept. of Electronics and Communication Engineering
7	05	Wireless Communication	Dept. of Electronics and Communication Engineering
8	05	Digital Signal Processing	Dept. of Electronics and Communication Engineering
9	06	Communication and Soft Skills - Laboratory Based	Dept. of English

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5. Annual / semester / choice based credit system (Programme wise)

S.No	Level	Programme	Annual / Semester Credit System
1	UG	B.Tech - Information Technology	Semester – Credit based system

6. Participation of the department in the courses offered by other departments

S.No	Semester	Subjects	Departments Involved
1	01	Computer Programming	Dept. of ECE Dept. of EEE Dept. of Mechanical Engg. Dept. of Civil Engg.
2	03	Object Oriented Programming and Data Structures	Dept. of Electronics and Communication Engineering
3	03	Object Oriented Programming and Data Structures Lab	Dept. of Electronics and Communication Engineering
4	04	Object Oriented Programming	Dept. of Electrical and Electronics and Engineering
5	04	Object Oriented Programming Lab	Dept. of Electrical and Electronics and Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

MoU signed with industries

- INTEL Technology India Pvt Ltd, Bangalore.
- Wiredelta, Coimbatore.
- Infonet Innovation, Coimbatore.
- Consensus Technologies Ltd, Coimbatore.

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S.No	Name of the Organization	Name of the Course	Duration
1	Kalvi Trust For Research and Education, Coimbatore.	Amazon Web Services(AWS) Certification on Big Data	16 Hrs
2	Intel Technology India Pvt Ltd, Bangalore.	Intel Certified Training Program	40 Hrs
3	Kamptek Consultancy Services, Coimbatore.	Training in Data Warehousing and Informatica	48 Hrs
4	Image Creative Education, Coimbatore.	Training in Designing Tool	48 Hrs
5	Be Positive Technologies, Coimbatore.	Training in Advanced Java Programming	48 Hrs
6	M/s ICT Academy	Data Science and Big Data Analytics	40 Hrs

8. Details of courses/programmes discontinued (if any) with reasons:
Nil

9. Number of Teaching posts

	Sanctioned	Filled
Professors	1	1
Associate Professors	1	1
Asst. Professors	7	7

10. Faculty profile with name, qualification, designation, specialization.

S.No	Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr.A.Sakthivel	Ph.D.	Prof.	ICE	16y	-
2	MR.R.Sagaya Vivian	M.Tech	Assoc. Prof.	CSE	19y 10m	-
3	Mr.C.Venkatesh*	M.E	Asst. Prof.	IE	7y 4m	-
4	Mr.S.Senthilnathan	M.E	Asst. Prof.	CSE	7y	-
5	Mr.T.Selvaprabhu	M.E	Asst. Prof.	CSE	5y 11m	-

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6	Ms.S.Pradeepa	M.E	Asst. Prof.	VLSI	4y 7m	-
7	Mr.K.S.Jeyakumar	M.E	Asst. Prof.	SE	2y 4m	-
8	Ms.C.Yamini	M.E	Asst. Prof.	CSE	1y 9m	-
9	Mr.M.Suresh	M.E	Asst. Prof.	SE	1m	-

*** Pursuing Ph.D**

11. List of senior visiting faculty :

S.No	Name of the Visiting Faculty	Designation	Company/Institution
1	Mr. K. Shanmugam	Director	Foxbytes Technologies, Coimbatore
2	Dr. L. Latha	Assoc. Prof./ CSE	Kumaraguru College of Technology, Coimbatore

12. Percentage of lectures delivered and practical classes handled by temporary faculty :

Nil

13. Student -Teacher Ratio

U.G. - B.Tech. Information Technology

S.No	Level	Programme	Student - Teacher Ratio
1	UG	B.Tech. - Information Technology	20 : 1

14. Number of academic support staff (technical) and administrative staff: Sanctioned and Filled:

S.No	Staff	Sanctioned	Filled
1	Technical	01	01
2	Administrative	01	01

15. Qualifications of teaching faculty with DSc / D.Litt / Ph.D / MPhil / PG

S.No	Academic Year	Qualification with Ph.D.	Qualification with M.E
1	2016-17	01	08

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16. Number of faculty with ongoing projects from National /International funding agencies and grants received :

Nil

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. And total grants received :

S.No	Academic Year	Name of the Project	Funding Agency	Status
1	2016-17	Soil Composition Analysis System For Crop Selection	TNSCST	Applied

18. Research Centre / Facilities recognized by the University :

Nil

19. Publications :

a) Publication per faculty: 2 per Faculty

S.No	Name of the Faculty	Publication details for last four years	
		Journals N & I	Conference N & I
1	Mr.R.Sagaya Vivian	1	-
2	Mr.T.Selvaprabhu	-	-
3	Ms.S.Pradeepa	1	-
4	Mr.K.S.Jeyakumar	-	1
5	Ms.C.Yamini	-	1
Total		2	2

N – National, I - International

b) Number of papers published in peer reviewed journals (national /international) by faculty and students:

Academic year	International Journals	National Journals	Total
2012-13	-	-	-
2013-14	2	-	2
2014-15	-	-	-
2015-16	-	-	-

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Web of science	2
Scopus	2
Humanities International Complete	-
Dare Database – International Social sciences Directory	-
EBSCO host	-
Any other	-

Number listed in international database

- c) **Monographs:** Nil
- d) **Chapter in books:** Nil
- e) **Books Edited:** Nil
- f) **Books with ISBN / ISSN numbers with details of publishers:** Nil
- g) **Citation index:** 0.4
- h) **SNIP:** Nil
- i) **SJR:** 0.1
- j) **Impact factor:** 1.05
- k) **h-index:** 0

20. Areas of consultancy and income generated :

Nil

21. Faculty as members in

i. National Committee ii. International Committee iii. Editorial Boards

S.No	Name of the faculty	Professional Society/Organization	Name of the member	National/ International/ Editorial board
1	Mr.R.Sagaya Vivian	CSI	Institutional Member	National

22. Student projects

- a) **Percentage of students who have done in-house projects including inter departmental/programme:**
- b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:**

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2013-14		2014-15		2015-16		2016-17	
I	O	I	O	I	O	I	O
100	-	100	-	100	-	100	-

I – In-house projects O - Research Laboratories / Industry / Other Agencies

23. Awards/ Recognitions received by faculty and students:

S.No	Academic Year	No of awards	
		Faculty	Student
1	2013-14	-	1
2	2014-15	2	5
3	2015-16	4	5
4	2016-17	-	9

A- Award R – Recognition

24. List of eminent academicians and scientists/ visitors to the department

Academic Year	Name of the Academicians / Scientists	Designation	Institution/ Industry	Date	Purpose of Visit
2014-15	S. Benson Edwin Raj	Professor	Higher college of Technology OMAN	19.08.14 20.08.14	Resource Person for National workshop on Vulnerable web applications and cyber security
	Dr.Pasumpon Pandian	Vice Principal, HOD (CSE)	SACS MAVMM Engineering College, Kidaripatti	09.08.14	Resource Person for Seminar on recent trends in IT

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2014-15	Prof. K. Gangadharan,	Head of Student Academics	Amritha University, CBE	09.10.14 10.10.14	Chief Guest for Conference on Cyber Security and Digital Forensics
	Mr.DwarakanathCh eyyur	Director – Implementation & Training	CloudReign Technologies, Chennai	29.12.14 30.12.14	Resource Person for Hands on Training on Google Apps
	Mr.Sathish Kumar	CEO	Yellow Tree Academy, Coimbatore	07.02.15	Resource Person for Recent Trends in Multimedia – Seminar
2014-15	Mr.Sathish Kumar	CEO	Yellow Tree Academy, Coimbatore	07.02.15	Resource Person for One day Workshop on Designing Mobile App for Game Design
	Mr. Ramesh	Senior Manager	Kalvi Higher Education and Research Institute	20.02.15 21.02.15	Resource Person for Workshop on Amazon certification in Big Data analysis

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2014-15	Mr. P. R. Rangaswami Mr. Padmanabhan S.	CEO	BUSHIDO Infotech Private Ltd., CBE Easy Design Systems Pvt. Ltd. CBE	06.03.15 07.03.15	Chief Guest for Inaugural function Chief Guest for valedictory function
	Dr. M. Sethumadhavan Dr. M. Sundaresan	Professor & Head	Amrita VishwaVidyalapeetham, CBE School of Computer Science and Engineering , Bharathiar University, CBE	26.03.15 27.03.15	Chief Guest for First National Conference on Innovative Intelligence in Computer Technology
2015-16	Mr. Ravi	Technical Trainer	Accent Techno Soft, Coimbatore	08.08.15	Resource Person for Guest Lecture on Big Data Analysis
	K.S. Rajprakash	Senior Manager	Be Positive , Coimbatore	12.09.15	Resource Person for One day Seminar Mobile Application Development
	Mr. Surya	Founder & Technical Trainer	EduSeva, Coimbatore	15.09.15	Resource Person for One Day Workshop on MIT SCRATCH

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2015-16	Mr.Murali Krishna Abhishik Kumar	Consultant	Rplus Analytics, Bangalore	19.09.15	Resource Person for One day Seminar on Big Data Analytics using R
	Mr.B.Thiagarajan	Asst. Registrar	Central University of Tamilnadu, Thiruvavur	25.09.15	Second National conference on innovative intelligence in computer technology
	Mr. Dinesh Kumar Gandhi	Head – R & D member	Dynamic Technologies, New Delhi	26.09.15	Resource Person for One day Workshop on Cloud And Big data
	Ms.YaminiShali Mr.AbdulSamad	Assistant Embedded Trainer Embedded Executive	Training Division FICE, India	15.02.16 19.02.16	Resource Person for INTEL College Excellence Program
	Mr.R.Anush Kumar	Technical Architect	Consensus Technologies Pvt. Ltd.	25.02.16	Resource Person for Workshop on Python
	Mr.Sathish Kumar	CEO	Yellow Tree Academy, Coimbatore	08.03.16	Resource Person for Guest lecture on Basics in Multimedia

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2015-16	Mr.SenthilKumarMuru gesan	Managing Director & CEO	Unilogic Technologi es Pvt.Ltd Coimbatore	18.03.16	Chief Guest for Third National Conference on Innovative Intelligence in Computer Technology
2016-17	Mr. Thiyagarajan S	Opertions Head	Institute of Multimedia Arts and Graphics Effects, CBE	27.06.16	Chief Guest for Orientation Program
	Mr.Sivaraman R	Technical Head	Image Creative Education, CBE	09.07.16	Chief Guest for Association Inauguration
	Mr.R.Anush Kumar	Technical Architect	Consensus Technologi es CBE	04.08.16	Resource Person for Guest Lecture on “From Engineer to an Entrepreneur ”
	Ms.Premalatha K	Manager	Virtusa Polaris	10.09.16	Chief Guest for Joy of Engineering
	Mr. Deepak Shrivastava Mr. Sunny Bhardwaj Mr. Pranav	Embedde d Engineer	i3indya Technologi es	20.09.16 21.09.16	Resource Person for IoT Challenge 2016 - Two Days Workshop on IoT

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2016-17	Dr.E.ChandraBlessy	Associate Professor	Nehru College of Management, CBE	23.09.16	Resource Person for Guest Lecture on Internet of Things in association with CSI Coimbatore Chapter
	Mr.Venkatesh	Scientist	SDSC, SHAR, ISRO-Sriharikota	06.10.16 - 08.10.16	ISRO World Space Week 2016

25. Seminars/Conferences/Workshops organized & the source of funding

a) National b) International

Academic Year	Seminars Conferences Workshops	N/ I	Title	Date	Funding Agencies
2014- 15	Seminars	N	Seminar on “Recent trends in IT”	09.08.14	Self-Supported
		N	Seminar on “Recent Trends in Multimedia”	07.02.15	Self-Supported
		N	One day Workshop on “Designing Mobile App for Game Design”	07.02.15	Self-Supported
		N	Seminar on "Basics of Photography (Camera Fundamentals)	07.02.15	Self-Supported
	Conferences	N	National Conference on “Cyber Security and Digital Forensics”	09.10.14 10.10.14	Self-Supported
			First National Conference on “Innovative Intelligence in Computer Technology”	26.03.15 27.03.15	Self-Supported

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2014-15	Workshops	N	National workshop on “Vulnerable web applications and cyber security”	19.08.14 20.08.14	Self-Supported
	Workshops	N	National Workshop on “PC Trouble Shooting and Networking”	21.01.15 22.01.15	Self-Supported
		N	Workshop on “Amazon certification in Big Data analysis”	20.02.15 21.02.15	Self-Supported
2015-16	Seminars	N	One day Seminar on “Mobile App Development”	12.09.15	Self-Supported
		N	One day Seminar on “Big Data Analytics using R”	19.09.15	Self-Supported
	Conferences	N	Second National Conference on “Innovative Intelligence in Computer Technology”	25.09.15	Self-Supported
			Third National Conference on “Innovative Intelligence in Computer Technology”	18.03.16	Self-Supported
	Workshops	N	Workshop on “Introduction to Photography”	26.06.15	Self-Supported
		N	One Day Workshop on “MIT SCRATCH”	15.09.15	Self-Supported
		N	One day Workshop on “Cloud and Big Data”	26.09.15	Self-Supported
		N	One Day Workshop on “Mobile Application Development”	30.09.15	Self-Supported
		N	One day Workshop on “Photoshop & Google Sketchup”	12.12.15	Self-Supported

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2015-16	Workshops	N	One day Workshop on “Computer Hardware and Network Practices”	12.12.15	Self-Supported
		N	One day Workshop on “Photoshop & Google Sketchup”	18.12.15	Self-Supported
		N	Workshop on “Introduction to Photography”	08.07.15	Self-Supported
		N	INTEL College Excellence Program	15.02.16 19.02.16	Self-Supported
		N	One-Day Workshop on “Basic Techniques in Photography and overview on DSLR and Lenses”	07.03.16	Self-Supported
2016- 17	Workshops	N	IoT Challenge 2016 - Two Days Workshop on IoT	20.09.16 21.09.16	Self-Supported
		N	EMC DSA - ICTACT	24.01.17 28.01.17	Self-Supported
		N	TechIoT – Prototyping products using intel Galileo Board	25.03.17	Self-Supported
		N	Internet of Things	27.03.17 28.03.17	Self-Supported
		N	Future of Recruiting : Top Technology Trends to watch in 2017	10.03.17	Self-Supported
	Seminars	N	IoT- Smart Application for Early Hazard Detection	07.04.17	Applied for ISRO funding
		N	Multimodal Biometric Systems: Challenges and its Applications	20.07.16	Applied for TNSCST

26. Student profile programme / course wise:

Name of the Course/ Programme	Batch	Application Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B.Tech – Information Technology	2015-19	*	*	3	6	**
	2014-18	*	*	1	2	**
	2013-17	*	*	2	7	**
	2012-16	*	*	15	17	71
	2011-15	*	*	25	19	68
	2010-14	*	*	18	31	81

27. Diversity of Students

Name of the Course/ Programme	Batch	Percentage of Tamil Nadu Students	Percentage of other State Students	Percentage of Students from Abroad
B.Tech. Information Technology	2015-19	100	-	-
	2014-18	100	-	-
	2013-17	100	-	-
	2012-16	96.96	3.04	-
	2011-15	100	-	-
	2010-14	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.,

Name of the Competitive Examinations	2012-13		2013-14		2014-15		2015-16	
	Appeared	Cleared	Appeared	Cleared	Appeared	Cleared	Appeared	Cleared
IAS Academy	-	-	2	-	-	-	-	-

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29. Student Progression

Students Progression	2010-14	2011-15	2012-16
UG to PG	5	5	-
Campus selection/other than campus recruitment	34	37	30
Entrepreneurship/ Self- Employment	-	-	-

30. Details of Infrastructural facilities :

a) Department Library

S.No.	Descriptions	Quantity in Numbers
1	Number of Titles	162
2	Number of Volumes	183
3	Number of Project Thesis(With CD)	316
4	Daily News Papers	2

b) Internet facilities for Staff & Students:

- Institution is connected with 50Mbps dedicated internet facility for staff and students, all the system are connected with network.
- All the faculty members are provided with individual PC.

c) Class rooms with ICT facility

- Smart class room with permanent LCD and computer with internet facilities are available in the department.
- Apart from the above, 2 mobile projectors and one OHP projector facilities are available.

d) Laboratories for UG

S.No	Name of the Laboratory
1	Computer Programming Laboratory
2	Programming and Data Structures Laboratory I
3	Programming and Data Structures Laboratory II
4	Database Management Systems Laboratory
5	Operating System Laboratory
6	Software Engineering Laboratory
7	Networks Laboratory

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8	Web Programming Laboratory
9	Case Tools Laboratory
10	Mobile Application Development Laboratory
11	Compiler Laboratory
12	Data Mining Laboratory
13	Security Laboratory
14	Grid and Cloud Computing Laboratory

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	2013-14	2014-15	2015-16	2016-17	Total
No. of Students	84	36	36	5	161

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Academic Year	Date	Title	Special Lectures / Workshops /Seminar	External Experts
2014-15	07.02.15	Recent Trends in Multimedia	Seminar	Mr. Sathish Kumar, CEO Yellow Tree Academy, Cbe
		Designing Mobile App for Game design	Workshop	
	20.02.15 21.02.15	Amazon Certification in Big Data Analysis	Workshop	Mr. Ramesh, Senior Manager, Kalvi Higher Education and Research Institute, Cbe
	29.12.14 30.12.14	Google Apps Training Program	Workshop	Mr.Dwarakanath, Cheiyur, Director Cloudreign Technologies, Chennai
	09.08.14	Seminar on recent trends in IT	Seminar	Dr. Pasumponpandian, Vice Principal and HoD-CSE, SACS MAVMM Engg Coll, Kidaripatti.
2015-16	08.03.16	Guest lecture on Basics in Multimedia	Special Lecture	Mr. Sathish Kumar, CEO Yellow Tree Academy, Cbe
	25.02.16	Workshop on Python	Workshop	Mr.R.Anush Kumar Consensus Technologies Pvt. Ltd.Cbe

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2015-16	15.02.16 - 19.02.16	INTEL College Excellence Program	Workshop	Ms.Yamini Shali - Assistant Embedded Trainer Mr.Abdul Samad - Embedded Executive Training Division, FICE, Bengaluru
	26.09.15	One day Workshop on Cloud And Big data	Workshop	Mr.Dineshkumar, Gandhi Head – R & D member Dynamic Technologies New Delhi
	19.09.15	One day Seminar on Big Data Analytics using R	Seminar	Mr.Muralikrishna, Consultant, Rplus Analytics, Bengaluru Abhishik Kumar Consultant, Rplus Analytics, Bengaluru
	15.09.15	One day Workshop on MIT SCRATCH	Workshop	Mr. Surya, EduSeva, Cbe
	12.09.15	One day Seminar on Mobile App development	Seminar	K.S.Rajprakash, NIIT, Cbe
	08.08.15	Guest Lecture on Big Data Analysis	Guest Lecture	Mr. Ravi, Accent Techno Soft, Cbe
2016-17	23.09.16	Special Lecture on IoT during CSI Inauguration	Special Lectures	Dr.E. Chandra Blessie, Associate Professor, Nehru college of management , Cbe
	20.09.16 21.09.16	IOT Workshop in association with IIT	Workshop	Mr.Deepashrivastava, Mr. Pranav, i3indya Technologies, New Delhi

33. Teaching methods adopted to improve student learning

Aiming at the effectiveness of the teaching learning process, the department facilitates the use of various teaching tools such as

- Blackboard Activity
- Power Point Presentations
- Animation Oriented
- Videos Oriented
- LMS
- Smart Class

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- Webinar
- NPTEL Video lecture

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The college has the following social welfare activities

S.No	Academic Year	Event
1	2014-15	Supporting polytechnic students with PC Troubleshooting and Networking workshop
2	2015-16	SAT – Student Assessment Test for Higher Secondary, Tamil Nadu State Board
3		Supporting polytechnic students with Photoshop and Google Sketch up workshop
4	2016-17	Tree plantation Ceremony by ECO Club at AIT Campus
5		College Campus Cleaning by ECO Club
6		Supporting polytechnic students with Photoshop and Google Sketch up workshop
7		A one day Cleanliness Campaign Programme on the theme of “Swachh Rail Swachh Bharat Abhiyaan” is organized by our college on 19/09/2016 (Monday) along with Southern Railways, Coimbatore, in order to collect the waste plastic bottles for our project on “Building with pet bottles”
8		Supporting polytechnic students with TechIoT workshops
9		Kovai Green League
10		Supporting WEEP organisation by procuring their food packages to create fund to eradicate beggars and help women earn their own livelihood
11		Adithya Blood Donors Club

35. SWOC analysis of the department and Future plans & Strengths

- Conducive working environment both for faculty, staff and students.
- Dedicated faculty with expertise in diverse areas.
- Use of Innovative teaching methodologies.
- Continuous progressive evaluation system for students.

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- Large number of initiatives undertaken for supporting number of slow learners and students from diverse backgrounds.
- Regularly updated SDT curriculum with industry and alumni inputs to improve employability of students.
- Strong Industry linkages like Consensus Technologies, Infonet and Wiredelta
- Special lab in tie up with INTEL Corporation to endorse technologies like IoT
- Emphasis on holistic development of students. High-quality co-curricular and extra-curricular programmes are conducted through clubs and cells throughout the year which complements class-room transactions to develop the capacity of students to think objectively and discuss freely.
- Students are accorded personal attention under Tutors and Mentors. Excellent student-teacher relationship. The availability of teachers outside classroom and working hours to guide and to counsel.
- Conferences, Workshops, Certification Programs and Guest Lectures are regularly organized.
- Library with large number of books, journals, magazines.

Weakness

- Paucity of time for the teachers for research work.
- Lack of research activities.
- Communication Skills of students.
- Low intake of students.

Opportunities

- Location advantage for strengthening academia-industry linkages.
- Streamlining collaborations and consultancy.
- Advanced teaching aid in every class room.

Challenges

- Students with diverse background with diverse needs.
- Enhancing number of students opting for entrepreneurship.

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Evaluative Report of the Department

1. **Name of the Department** : Department of Management Studies
2. **Year of establishment** : 2009
3. **Names of programmes offered** :

S.No	Level	Programme
1	PG	Master of Business Administration

4. **Names of Interdisciplinary courses and the departments / units / subjects involved**
 - i. **P.G. - MBA. Master of Business Administration**

S.No	Semester	Subjects	Departments Involved
1	1	Statistics for Management	Dept. of Mathematics
2	1	Total Quality Management	Dept. of Mechanical Engineering
3	2	Information Management	Dept. of CSE

5. **Annual / semester / choice based credit system (Programme wise)**

S.No	Level	Programme	Annual / Semester Credit System
1	PG	Master of Business Administration	Semester – Credit based system

6. **Participation of the department in the courses offered by other departments**

S.No	Semester	Subjects	Departments Involved
1	7	Engineering economics and financial Accounting	Computer Science Engineering
2	8	Principles of Management	Civil Engineering

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

8. **Details of courses/programmes discontinued (if any) with reasons:**

Nil

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9. Number of teaching posts

	Sanctioned	Filled
Professors	1	1
Associate Professors	1	1
Asst. Professors	6	6

10. Faculty profile with name, qualification, designation, specialization :

S.No	Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr.C.Karthikeyan	Ph.D.	Prof.	HR//Marketing	25y 7m	3*
2	Dr.N.Gokilamani	Ph.D.	Assoc. Prof.	Marketing/ Finance	17y 8m	NIL
3	Mr.R.Ravi	MBA	Asst. Prof.	HR/Marketing	9y	
4	Mrs. M.Vaishnavi*	MBA	Asst. Prof.	Finance/Marketing	6y 5m	
5	Mrs. V.K.Arthi*	MBA	Asst. Prof.	Finance/Marketing	7y 9m	
6	Mr. N.SivaSankar*	MBA., M.Phil	Asst. Prof.	Finance/Marketing	7y 7m	
7	Mrs.R.Malarvizhi	MBA	Asst. Prof.	Finance/Marketing	1y 1m	
8	Mr.P.Muralidharan	MBA	Asst. Prof.	HR/Marketing	1y 1m	

* Pursuing Ph.D.

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11. List of senior visiting faculty :

S.No	Name of the Visiting Faculty	Designation	Company/Institution
1	Mr. Babubalakrishnan	Associate Professor	Kannur University
2	Mr. Subbiyan Sivalingam	Chief Engineer	PWD Coimbatore
	Mr. Bobby Mathew	Vice President	Enrich Academy

12. Percentage of lectures delivered and practical classes handled by temporary faculty:

Nil

13. Student -Teacher Ratio

S.No	Level	Programme	Student-Teacher ratio
1	PG	MBA	15:1

14. Number of academic support staff (Technical) and administrative staff; sanctioned and filled:

S.No	Staff	Sanctioned	Filled
1	Administration	01	01

15. Qualifications of teaching faculty with DSc / D.Litt / Ph.D / MPhil / PG

S.No	Academic Year	Qualification with Ph.D.	Qualification with M.Phil	Qualification with MBA
1	2016-17	2	2	4

16. Number of faculty with ongoing projects from National /International funding agencies and grants received

Nil

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received :

Nil

18. Research Centre / Facilities recognized by the University :

Nil

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19. Publications :

a) Publication per faculty:

S.No	Name of the Faculty	Publication for last four years	Total
1	Dr.C.Karthikeyan	13	13
2	Dr.N.Gokilamani	2	2
3	Mr.R.Ravi	-	-
4	Mrs. M.Vaishnavi	1	1
5	Mrs. V.K.Arthi	3	3
6	Mr. N.SivaSankar	5	5
7	Mrs.R.Malarvizhi	-	-
8	Mr.P.Muralidharan	-	-
Total		24	24

ii. Conference:

S.No	Name of the Faculty	Publication for last four years		Total
		N	I	
1	Dr.C.Karthikeyan	-	-	-
2	Mr.R.Ravi	-	-	-
3	Dr.N.Gokilamani	-	-	-
4	Mrs. M.Vaishnavi	1	1	2
5	Mrs. V.K.Arthi	1	1	2
6	Mr. N.SivaSankar	6	3	9
7	Mrs.R.Malarvizhi	-	-	-
8	Mr.P.Muralidharan	-	-	-
Total		8	5	13

20. Areas of consultancy and income generated :

Nil

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21. Faculty as members in

i. National Committee ii. International Committee iii. Editorial Boards

S.No	Name of the faculty	Professional Society/Organization	Name of the member	National/ International/ Editorial board
1	Dr.N.Gokilamani	IJSEDR	Reviewer	International
		GRD Journals	Reviewer	International
		Bulletin of research development	Reviewer	International

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme:

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:

2013-14		2014-15		2015-16		2016-17	
I	O	I	O	I	O	I	O
0	100 %	0	100 %	0	100 %	0	100 %

I – In-house projects O - Research Laboratories / Industry / Other Agencies

23. Awards/ Recognitions received by faculty and students:

S.No	Academic Year	No of awards
1	2015-16	07
2	2014-15	03
3	2013-14	03
4	2012-13	03

24. List of eminent academicians and scientists/ visitors to the department

Academic Year	Name of the Academicians / Scientists	Designation	Institution / Industry	Date	Purpose of Visit
2016-17	Mr.Suresh Murugan	Graphologist	Corporate Trainer	10.09.16	Special Lectures
	Mr. Prasidh prasath	Trainer	Kochin Stock Exchange	26.02.16 & 27.02.16	Workshop
	Mr. Barath Surendren	CEO	Corporate trainer	17.02.16 & 18.02.16	Workshop
	Mr. Mohan Kumar	Trainer	Times Institute	12.02.16 & 13.02.16	Workshop
2015-16	Mr. Barath Surendren	CEO	Corporate trainer	13.11.15	Special Lectures
	Mr.Bobby Abraham Mathew	Vice President	Enrich Academy	16.10.15	Guest Lecture
	Mr. Anoop Anto Kanichai	Executive Learning & development	PACE Academy	09.10.15	Guest Lecture
	Mr.M.Parameshwaran	Executive	Techno Info Solutions	25.09.15	Guest Lecture
2014-15	Mr.B.ShivaKumar	Managing Director	Yesco Castings Pvt Ltd	21.02.15	National Conference
	Dr.R.Saravanan	Director	Sri Krishna College of Technology	21.02.15	National Conference
	Dr.P.Karuppusamy	Director	Nehru Institute of Technology	21.02.15	National Conference

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Academic Year	Name of the Academicians / Scientists	Designation	Institution/ Industry	Date	Purpose of Visit
2014-15	Mr.Sheshathri	Executive	NALS Outdoor	10.10.14	Guest Lecture
	Mr.Bobby Abraham Mathew	Vice President	Enrich Academy	19.09.14	Guest Lecture
	Capt.V.J.Pushpakumar	Director	Good Ocean Maritime	17.09.14	Guest Lecture
	Mr James Vineeth	CEO	Launch Pad	16.9.14	Guest Lecture
	Mr.Subbaiyan Sivalingam	Senior Engineer	PWD	06.9.14	Guest Lecture
	Mr.N.Sampathkumar	Head Corporate – Training & Development	Roots Industries (I) Ltd	01.09.14	Inauguration
2013-14	Dr.R.Saravanan	Director	Sri Krishna College of Tech.	15.02.13	National Conference
	Dr.P.Karuppusamy	Director	SNS College of Tech.	15.02.13	National Conference
	Dr.T.Karuppanaswamy	Managing Director	Barani hydraulics India PvtLtd,	15.02.13	National Conference
	Mr.Suresh Ram Narayan	AGM Marketing	Essae Digitronics Pvt Ltd, Bangalore.	15.02.13	National Conference
2013-14	Dr.J.Nirubarani	Professor & Head	RVS Institute of Management Science	15.02.13	National Conference

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25. Seminars/Conferences/Workshops organized & the source of funding

a) National b) International

Academic Year	Seminars Conferences Workshops	N/ I	Title	Date	Funding Agencies
2015-16	Workshops	N	Career on Banking – IBPS	12.02.16 13.02.16	Self funded
	Workshops	N	Entrepreneurship Development	17.02.16 18.02.16	Self funded
	Workshops	N	Leadership Training	26.02.16 27.02.16	Self funded
2014-15	Conference	N	Managing Turbulence in Business	21.02.15	Self funded
2012-13	Conference	N	Business Sustainability in Globalised Environment	15.02.13	Self funded
2011-12	Conference	N	Global Trends in Management	23.09.11	Self funded
2010-11	Conference	N	Crisis Management	23.09.10	Self funded

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26. Student profile programme / course wise:

Name of the course/ Program	Batch	Applicati on received	Select ed	Enrolled		Pass Percentag e
				Male	Femal e	
Master of Business Administration	2016-18	*	*	9	5	**
	2015-17	*	*	5	23	**
	2014-16	*	*	9	11	85.71
	2013-15	*	*	2	1	100
	2012-14	*	*	4	2	100
	2011-13	*	*	27	5	84.38
	2010-12	*	*	43	10	100
	2009-11	*	*	37	13	100

* Through single window system and Consortium, ** NA

27. Diversity of Students

Name of the Course/ Programme	Batch	Percentage of TamilNadu Students	Percentage of other State Students	Percentage of Students from Abroad
Master of Business Administration	2016-18	10	4	-
	2015-17	19	6	-
	2014-16	18	2	-
	2013-15	3	-	-
	2012-14	6	-	-
	2011-13	32	-	-
	2010-12	51	2	-
	2009-11	50	-	-

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28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc., ?

Nil

29. Student Progression

Students Progression	2009-11	2010-12	2011-13	2012-14	2013-15	2014-16
PG to Higher studies	-	2	-	-	-	-
Campus selection/other than campus recruitment	50	45	29	6	3	10
Entrepreneurship/ Self- Employment	-	2	1	-	-	-
Others	-	-	-	-	-	-

30. Details of Infrastructural facilities

a) Department Library

S.No.	Descriptions	Quantity in Numbers
1	Number of books	152
2	Number of volumes	30
3	News Papers	1
4	Number of project thesis	155

b) Internet facilities for Staff & Students:

- Institution is connected with 50Mbps dedicated internet facility for staff and students, all the system are connected with network.
- All the faculty members are provided with individual PC
- WIFI Facility for Students and Staffs.

c) Class rooms with ICT facility

- Class room with permanent LCD and computer with internet facility is available in the department.
- 1 Mobile Projector is available.

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d) Laboratories for PG

S.No	Name of the Laboratory
1	Data Analysis and Business Modeling
2	Professional skill development

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	2016-17	2015-16	2014-15	2013-14
No of Students	06	24	11	00

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Academic Year	Special Lectures / Workshops / Seminar	Title	Date	External Experts
2015-16	Special Lecture	BA7103 Economic Analysis for Business	02.09.15	Mr.Vivek, Career Info

33. Teaching methods adopted to improve student learning

Aiming at the effectiveness of the teaching learning process, the department facilitates the use of various teaching methods / tools such as

- Course plan, lesson plan, session plan, lecture notes are uploaded in Adithya LMS that can be accessed 24x7.
- Group Discussion and Soft Skill Training for better placement.
- Leadership Training.
- Industrial visits for providing practical exposure.
- Class Room teaching with ICT enrich their knowledge level
- Practical Application of the Concept for all the Topics in the syllabus.
- Department Library facility.
- Internet through both Wired and Wireless is available.
- Case studies on recent topics related to the syllabus.\
- Activity based Learning.

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34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The college has the following social welfare activities

S.No	Academic Year	Event	Students
1	2015-16	Car Free Sundays	16
2	2015-16	Tree plantation program	39

35. SWOC analysis of the department and Future plans

Strength

- Learning Management System (Adithya LMS)
- Experienced Faculty for all Specialisations.
- Affordable Fees/Govt Schemes.
- Multiple Placement Offers.
- Technical Infrastructure.
- Diverse Specialisations.
- Transparent Evaluation System.
- Regular SSD.
- Visting /Guest Lectures on all Subjects.
- Transportation.

Weakness

- Location of the Institution.
- Restriction on Specialisations to 05 only.
- No association with other institutions due to University Norms
- Syllabus Updation time.
- No external funding.
- Lack of Executive Class rooms.

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Opportunities

- Upgrading Technical Skills
- Skill development opportunities
- Learning on Digital Platform
- Highly experienced faculty for Research
- Vast Central library and other resources to pursue higher education

Challenges

- Conducting Twinning programmes with advanced learning institutions
- Analytics courses teaching
- SAP technical infra for regular coaching
- Placement to Top Companies
- Regular Personality Development Classes

Future Plans

- Organizing international conferences, seminars and workshops on recent trends.
- Obtain NBA & ISO for our department.

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Evaluative Report of the Department

1. **Name of the Department** : Mechanical Engineering
2. **Year of establishment** : 2008
3. **Names of programmes offered** :

S.No	Level	Programme
1	UG	B.E - Mechanical Engineering
2	PG	M.E - Engineering Design
3	Research	Ph.D. /M.S.

4. **Names of Interdisciplinary courses and the departments / units / subjects involved**

i. U.G. - B.E. Mechanical Engineering

S.No	Semester	Subjects	Departments Involved
1	03	Transforms & partial differential equations	Dept. of Mathematics
2	03	Electrical Drives and Control	Dept. of EEE.
3	03	Electrical Engineering lab	
4	04	Statistics and Numerical Methods	Dept. of Mathematics

ii. P.G. - M.E. Engineering Design

S.No	Semester	Subjects	Departments Involved
1	01	Advanced Numerical Methods	Dept. of Mathematics

5. **Annual / semester / choice based credit system (Programme wise)**

S.No	Level	Programme	Annual / Semester Credit System
1	UG	B.E - Mechanical Engineering	Semester – Credit based system
2	PG	M.E - Engineering Design	Semester – Credit based system

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6. Participation of the department in the courses offered by other departments

S.No	Semester	Subjects	Departments Involved
1	01	Engineering Graphics	All Department
2	02	Basic Civil and Mechanical engineering	Dept. of EEE.
3	02	Engineering Mechanics	Dept. of Civil Engg.
4	05	Power Plant Engineering	Dept. of EEE.
5	07	Total Quality Management	Dept. of Civil Engg.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

MoU signed with industries

- M/s Adithya Hi-Tech Valves
- M/s Maxx CAD
- M/s CADD Leader
- M/s Ohm Solutions
- M/s ICT Academy

S.No	Name of the Organization	Name of the Course	Duration
1	M/s Adithya Hi-Tech Valves	Solid Works	48 Hrs
2	M/s Maxx CAD	ANSYS	48 Hrs
3	M/s CADD Leader	Lab VIEW	48 Hrs
4	M/s Ohm Solutions	CNC Programming	48 Hrs
5	M/s ICT Academy	Auto Desk Inventor	42 Hrs

8. Details of courses/programmes discontinued (if any) with reasons:

Nil

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9. Number of teaching posts

	Sanctioned	Filled
Professors	04	04
Associate Professors	05	05
Asst. Professors	26	26

10. Faculty profile with name, qualification, designation, specialization :

S.No	Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr.N.Kathiravan	Ph.D.	Prof.	TQM	30 yrs	1 [#]
2	Dr.K.Senthilkumar	Ph.D.	Prof.	Thermal	17y 8m	5 [#]
3	Dr.M.Natarajan	Ph.D.	Prof.	TQM	43y 3m	1 [#]
4	Dr.K. Venkatapathy	Ph.D.	Prof.	Mfg.	46 Yrs	-
5	Mr.M.Subramanian*	M.E.	Assoc. Prof.	ED	21y 8m	-
6	Mr.B.Shanmugasundaram*	M.E.	Assoc. Prof.	ED	15y 9m	-
7	Mr.K.Anganan*	M.E.	Assoc. Prof.	Mfg.	26y	-
8	Mr.V.Venugopal	M.Tech.	Assoc. Prof.	Mfg	19y 5m	-
9	Mr.R.Radhakrishnan	M.Sc(Engg)	Assoc. Prof.	MT	30y 4m	-
10	Mr.D.Palaniswamy*	M.E.	Asst. Prof. (SG)	Thermal	16y 5 m	-

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11	Mr.T.T.Satheesh kumar*	M.E.	Asst. Prof.	IE	17y 10m	-
12	Mr.Ayyappan.T.S	M.E.	Asst. Prof.	ED	18y 9m	-
13	Mr.K.Kamal Basha*	M.E.	Asst. Prof.	Welding	10y 2m	-
14	Mr.V.T.Vijayaraj	M.E.	Asst. Prof.	ED	11y 11m	-
15	Mr.B.Charles	M.E.	Asst. Prof.	ED	7y 9m	-
16	Mr.S.Muthusaravanan*	M.E.	Asst. Prof.	ED	9y 2m	-
17	Mr.P.L.Navaneethakrishnan	M.E.	Asst. Prof.	Energy	4y 10m	-
18	Mr.A.Prabhu	M.E.	Asst. Prof.	Prodn.	3y 10m	-
19	Mr.A C Ramkumar	M.E.	Asst. Prof.	CAD/CAM	3y 8m	-
20	Mr.P.Mohanraj	M.E.	Asst. Prof.	CAD/CAM	3y 3m	-
21	Mr.A.Karthick*	M.E.	Asst. Prof.	Mfg.	1y 9m	-
22	Mr.RM.Udhaya Chandran *	M.E.	Asst. Prof.	CAD/CAM	1y 9m	-
23	Mr.B.Umesh*	M.E.	Asst. Prof.	Mfg Systems	1y 9m	-
24	Mr.K.T.Shabarinathan*	M.E.	Asst. Prof.	CAD/CAM	1y 9m	-
25	Mr.D.Rameshkumar	M.E.	Asst. Prof.	CAD/CAM	5y 3m	-
26	Mr.G.Prabhu*	M.E.	Asst. Prof.	Auto	1y 9m	-

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27	Mr.M.K.Sathishkumar*	M.E.	Asst. Prof.	CAD	1y 9m	-
28	Mr.M.Ramar	M.E.	Asst. Prof.	Production	1y 9m	-
29	Mr.V.Ganeshan	M.E.	Asst. Prof.	ED	7y 9m	-
30	Mr.S.Vijayakumar	M.E.	Asst. Prof.	Thermal	1y 9m	-
31	Mr.D.N.Aruloli	M.E.	Asst. Prof.	PDD	14y 2m	-
32	Mr.G.Watson Babu	M.E.	Asst. Prof.	HP	1y	-
33	Mr.G.Anand	M.E.	Asst. Prof.	ED	2y	-
34	Ms.S.Vishnupriya	M.E.	Asst. Prof.	Aero	3m	-
35	Mr.K.Vivek	M.E.	Asst. Prof.	ED	1y 8m	-

* Pursuing Ph.D. # Guiding Ph.D.

11. List of senior visiting faculty :

S.No	Name of the Visiting Faculty	Designation	Company/Institution
1	Dr.R.Kumaravelan	Professor and Head Department of Mechanical Engineering	Velalar College of Engg. and Tech.
2	Dr P.Yugananth	Senior Engineer	Highways Dept., Govt. of TN

12. Percentage of lectures delivered and practical classes handled by temporary faculty:

Nil

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13. Student -Teacher Ratio

i. U.G. - B.E. Mechanical Engineering

S.No	Level	Programme	Student-Teacher ratio
1	UG	B.E - Mechanical Engineering	20:1

ii. P.G. - M.E. Engineering Design

S.No	Level	Programme	Student-Teacher ratio
1	PG	M.E - Engineering Design	12:1

14. Number of academic support staff (Technical) and administrative staff; sanctioned and filled:

S.No	Staff	Sanctioned	Filled
1	Technical	04	04
2	Administration	01	01

15. Qualifications of teaching faculty with DSc / D.Litt / Ph.D / MPhil / PG

S.No	Academic Year	Qualification with Ph.D.	Qualification with M.E
1	2016-17	4	31

16. Number of faculty with ongoing projects from National /International funding agencies and grants received

S.No	Name of the research project	Name of the supervisor	Funding Agency
1	Performance investigation of solar power dryer	Dr.K.Senthilkumar	Adithya Institute of Technology
2	Performance study of V-Through solar water heater	Dr.K.Senthilkumar	Adithya Institute of Technology
3	Performance analysis of centrifugal evaporative air cooler	Mr D.Palanisamy	Adithya Institute of Technology
4	Enhancement of Natural ventilation using solar power	Dr.K.Senthilkumar	Adithya Institute of Technology

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5	Design and development of waste heat recovery with a help of counter flow heat exchanger	Dr.K.Senthilkumar	Adithya Institute of Technology
6	Modeling and optimizing the production of biogas in digester from food waste by using artificial neural networks”	Mr D.Palanisamy	Adithya Institute of Technology
7	Optimization of process parameter in Micro deep drawing process	Mr M.Subramanian	Adithya Institute of Technology
8	Comparative investigation on performance of various aspiration methods applied in a single cylinder diesel engine	Mr D.Palanisamy	Adithya Institute of Technology
9	Optimizing the Supercharger Effect on the Performance and Emission of Biogas Diesel Engine	Mr D.Palanisamy	Adithya Institute of Technology

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received :

S.No	Academic year	Name of the Project	Funding Agency	Status
1	2012-13	RPS – Experimental investigation of centrifugal evaporative air cooler	AICTE	Applied
2	2012-13	Establishment of Entrepreneurship Development cell	AICTE	Applied
3	2013-14	RPS – Experimental investigation of process parameter in micro deep drawing	AICTE	Applied

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S.No	Academic year	Name of the Project	Funding Agency	Status
4	2015-16	Challenges and Issues in Solar & Wind Energy Resources	ISRO	Completed
5	2015-16	Cryogenic Technology in Space Applications	ISRO	Applied
6	2015-16	Effective Energy Utilization in Green Building	ISRO	Applied
7	2016-17	Vibration Control in Machine Tools	TNSCST	Applied
8	2016-17	Effective energy utilization in green building	TNSCST	Applied
9	2016-17	Challenges and Opportunities in installing “On-Grid” solar PV panel	TNSCST	Applied
10	2016-17	New Challenges in Product Development to meet the global requirements	TNSCST	Applied
11	2016-17	Design and fabrication Semi-automatic floor cleaner	TNSCST	Applied
12	2016-17	Design and development of automated variety rice maker	TNSCST	Applied
13	2016-17	Design and development of portable wear testing machine	TNSCST	Applied

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S.No	Academic year	Name of the Project	Funding Agency	Status
14	2016-17	Challenges and opportunities on installing on-grid solar pv panels	MNRE	Applied
15	2016-17	Application of solar thermal energy for heating and drying in food processing industries	MNRE	Applied
16	2016-17	Establishment of Entrepreneurship Development Cell	AICTE	Applied
17	2016-17	Cryogenic Technology in Space Applications	ISRO	Applied
18	2016-17	Entrepreneur Awareness Camp	NSTEB	Applied

18. Research Centre / Facilities recognized by the University :

S.No	Description	Sanctioned Year	Recognized University	File no. & Date
1	Approved Research centre for Mechanical Engineering department	October 2015	Anna University Chennai	Lr.No.2744/IR/Mechanical/AR1

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19. Publications :

a) **Publication per faculty:** 27 per year

S.No	Name of the Faculty	Publication details for last four years	
		Journals N & I	Conference N & I
1	Dr.N.Kathiravan	3	-
2	Dr.K.Senthilkumar	2	2
3	Dr.M.Natarajan	1	-
4	Dr.K.Venkatapathy	1	4
5	Mr.M.Subramanian	1	2
6	Mr.B.Shanmugasundaram	6	5
7	Mr.D.Palaniswamy	4	-
8	Mr.K.Anganan	1	1
9	Mr.P.L.Navaneethakrishnan	1	4
10	Mr.A.Prabhu	-	3
11	Mr.S.Muthusaravanan	-	3
12	Mr.K.T.Shabarinathan	1	3
13	Mr.B.Umesh	2	4
14	Mr.Udhaya Chandran RM	4	8
15	Mr.A.Karthick	3	7
16	Mr.M.K.Sathishkumar	1	6
17	Mr.V.Ganeshan	1	1
18	Mr.A C Ramkumar	-	1
19	Mr.S.Vijayakumar	1	-
20	Mr D.Rameshkumar	3	-
21	Mr.P.Mohanraj	3	-
Total		56	53

N – National, I – International

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b) Number of papers published in peer reviewed journals (national /international) by faculty and students:

Academic year	International Journals	National Journals	Total
2012-13	5	2	7
2013-14	1	1	2
2014-15	2	-	2
2015-16	5	-	5
2016-17	26	-	26

c) Number listed in International Database

Web of Science	-
Scopus	8
Humanities International Complete	-
Dare Database - International Social Sciences Directory	-
EBSCO host -	-
Any Other	-

d) **Monographs:** 30

e) **Chapter in books:** Nil

f) **Books Edited:** Nil

g) **Books with ISBN / ISSN numbers with details of publishers:**
Nil

h) **Citation index:** Min- 0.12, Max- 1.27

i) **SNIP:** Nil

j) **SJR:** Min- 0.13, Max- 0.6

k) **Impact factor:** Min- 0.12, Max- 4.55

l) **h-index:** Min- 9, Max- 45

20. Areas of consultancy and income generated

Academic Year	Name of the Company	Name of the faculty	Title of the Consultancy	Amount Sponsored
2012-13	Trident Pneumatics pvt. Ltd.	Dr.M.Natarajan	1. Reviewing the new designed product 2. Reviewing the Redesigned new product 3. Reviewing the Bill of Materials	Rs.96,000/-
2013-14	Trident Pneumatics pvt. Ltd.	Dr.M.Natarajan	4.Reviewing the Product conformity and discussion with the concern for corrective and preventive action 5.Checking the Test results of New product development	Rs.96,000/-
2014-15	Trident Pneumatics pvt. Ltd.	Dr.M.Natarajan	6.Giving new ideas in design for mfg. 7. Giving ideas to improve New Product reliability. 8.Giving ideas to improve cost of quality of the new products	Rs.96,000/-
2015-16	Trident Pneumatics pvt. Ltd.	Dr.M.Natarajan	9.Giving ideas to minimize the cost of the poor quality say rejection, rework, scrap and assembly rework 10. Periodically reviewing the materials behavior and its treatment	Rs.96,000/-
2016-17	Anna University Regional Campus	Mr A.Prabhu	Tensile and Hardness Test	Rs.1000/-

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21. Faculty as members in

a) National Committee b) International Committee c) Editorial Boards

S.No	Name of the Faculty	Professional Society/ Organization	Name of the member	National/ International/ Editorial board
1	Dr.N.Kathiravan	ISTE	Lifetime Member	National
		IE	Lifetime Member	National
		CHE	Lifetime Member	National
2	Dr.K.Senthilkumar	ISTE	Lifetime Member	National
		ISRD	Lifetime Member	International
		JSEE	Member	Reviewer
		IJGE	Member	Reviewer
3	Dr.M.Natarajan	ISTE	Lifetime Member	National
		IIE	Lifetime Member	National
4	Mr.D.Palaniswamy	ISRD	Member	International
		SAE	Member	National
		ELSEVIER	Member	Reviewer
		BENTHAM OPEN UAE	Member	Reviewer
5	Mr.B.Shanmugasundaram	ISRD	Member	International
		IAENG	Member	International
		ISTE	Lifetime Member	National
		JETIR	Member	Reviewer

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		GRD	Member	Reviewer
		MAT Journals	Member	Reviewer
7	Mr K.Kamal Basha	IIM	Lifetime Member	National
8	Mr G.Prabhu	SAE	Lifetime Member	National
9	Mr.V.T.Vijayaraj	ISME	Member	National
10	Mr.S.Muthusaravanan	ISRDR	Lifetime Member	Member
		JETIR	Member	Reviewer
		GRD	Member	Reviewer
11	Mr.B.Umesh	GRDJE	Member	Reviewer
		IJEDR	Member	Reviewer
		JETIR	Member	Reviewer
12	Mr.Udhaya Chandran RM	GRDJE	Member	Reviewer
		JETIR	Member	Reviewer
13	Mr.A.Kathick	IJEDR	Member	Reviewer
		JETIR	Member	Reviewer
		ISRDR	Lifetime Member	Member
14	Mr.P.L.Navaneethakrishnan	IJST	Member	Reviewer
		IAEMP	Member	National
15	Mr.K.T.Shabarinathan	ISRDR	Lifetime Member	Member
16	Mr.B.Charles	ISRDR	Lifetime Member	Member
17	Mr.M.K.Sathishkumar	IAENG	Member	International
		IEI	Member	National
		ISRDR	Lifetime Member	Member

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22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme:

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:

2013-14		2014-15		2015-16		2016-17	
I	O	I	O	I	O	I	O
94 %	6 %	71 %	29 %	83 %	17 %	92 %	8 %

I – In-house projects O - Research Laboratories / Industry / Other Agencies

23. Awards/ Recognitions received by faculty and students:

S.No	Academic Year	No of awards
1	2016-17	25
2	2015-16	18
3	2014-15	14
4	2013-14	05
5	2012-13	05

24. List of eminent academicians and scientists/ visitors to the department

Academic Year	Name of the Academicians / Scientists	Designation	Institution / Industry	Date	Purpose of Visit
2012-13	Mr.S.N.Pradhan	IG	Ops & Int. Jharkand	15.07.12	Motivational talk
	Mr.G.Ravichandran	General Manager	LECS	06.08.12	Inauguration of Technical symposium

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Academic Year	Name of the Academicians / Scientists	Designation	Institution / Industry	Date	Purpose of Visit
2012-13	Mr. Annadurai. D	Station officer	Fire and rescue services	10.09.12	Demonstration & awareness camp
	Mr. Krishnamoorthy. P	Assistant Divisional Fire officer	Fire & Rescue services	10.09.12	Special lecture on fire and safety
	Mr. Nithyanand	Manager- CNC	S&T Engineers	28.09.12	Workshop on CNC programming
	Mr. Murugavel. P	Team Leader – CNC	S&T Engineers	28.09.12	Workshop on CNC programming
	Dr. B. Giriraj	Professor/ Mech	PSG college of technology	30.01.13	Special lecture
2013-14	Mr. Walter Wade	International Sales Manager	Vero software Ltd., England	19.09.13	Students Interaction on CNC programming software
	Mr. B. Charath	Managing Director	Maxx CAD D	21.01.14	Solid modelling and analysis contest
	Mr. Michael Benson	Global Procurement Director	Honeywell Process solution Germany	29.04.14	Interaction with Heads
2014-15	Mr. T. Dhanasekar	Managing Director	Trident Pneumatics ,	27.08.14	Inauguration of Mech. Association
	Mr. Benedict Biju	Founder Partner	Lifetex India, Cbe	27.08.14	Inauguration of Students LabVIEW Club

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Academic Year	Name of the Academicians / Scientists	Designation	Institution/ Industry	Date	Purpose of Visit
2014-15	Mr.B.Somasundaram	Manager, Plant Engineering & Maintenance	ZF wind power	29.09.14	Training on LabVIEW
	Mr. ppa. Detlef RÖDER	Senior Manager Quality Assurance	Procurist Valve Group, Curtiss-Wright-Germany	27.12.14	Quality Product development
	Mr.K.Pari Vallal	Managing Partner	DMW CNC centre, Perundurai	04.02.15	Special lecture on Vannangalum Ennagalum
	Mr.M.Sridhar	HR-Manager	DMW CNC centre, Perundurai	04.02.15	Special lecture on Industry ready engineers
	Dr.A.Ramesh	MC-Member	SAEISS	13.02.15	Inauguration of SAE club
	Mr.K.Narashiman	Director	AU TVS CRM & IQAC, Anna University	07.03.15	Interaction with faculty members
	Mr.G.M.Ramachandran	Plant Manager	Velan Valves, India pvt. Ltd.	20.03.15	Chief guest for Technical Symposium
	Prof.Dr.R.Kumaravelan	Professor & Head/ Mech	Velalar College of Engg. And Tech.	30.03.15	Guest lecture on Engineering Mechanics

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Academic Year	Name of the Academicians / Scientists	Designation	Institution/ Industry	Date	Purpose of Visit
2014-15	Dr.Poduval	Professor/ Mech	Karpagam University	08.05.15 – 12.05.15	Special lecture on academic intern
	Dr.C.Velmurugan	Professor/ Mech	Kumarguru college of Technology	09.05.15	Special lecture on academic intern
	Dr.P.Yugananth	ADE, IT Cell	Department of Highways, Chennai.	18.05.15	Special lecture on academic intern
2015-16	Dr.T.V.Arjunan,	Professor and Head/ Mech	Coimbatore Inst. of Engg. & Tech.	14.06.15	Special lecture on academic intern
	Dr.K.Manonmani	Professor/ Mech	Government College of Tech., Coimbatore.	13.06.15	Special lecture on academic intern
	Dr.S.A.Pasupathy	Professor & Head/ Mechtronics	Kumaraguru College Technology , Coimbatore.	10.06.15	Special lecture on academic intern
	Dr.P.Vivekanandan	Professor & Head/ Mechtronics	SNS College Technology , Coimbatore	03.06.15 06.06.15	Special lecture on academic intern

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Academic Year	Name of the Academicians / Scientists	Designation	Institution/ Industry	Date	Purpose of Visit
2015-16	Mr V.Vijay	Project Engineer	Cubiz Design solutions, Blr	10.07.15	Motivational Talk
	Mr.N.Mani	Director	Messer Cutting systems	31.07.15	Motivational talk to students and faculty
	Mr.R.Jagadesh	CEO	Ape automation	22.08.15	LabVIEW inauguration
	Mr.Jaya Balaji	Assistant Professor/ Automobile	Karpagam University	03.03.16	Workshop on Automobile
	Dr.R.Kumaravelan	Professor and Head/ Mech	Velalar College of Engg. & Tech. Erode.	22.04.16	Guest lecture on kinematics of machinery
	Mr.V.Sivakumar	Associate Professor/ Mech	MAM college of technology, Trichy	23.04.16	Special lecture
	Mr. Kevin Schötz	GM - Quality Control	ADAMS, Germany	29.04.16	Product quality
	Mr. Rafael Seidel	Manager - Quality Control	ADAMS, Germany	29.04.16	Product quality
	Mr.J.Noelraj	Team leader Marketing	Trident Pneumatics, Pvt. Ltd.,	14.07.16	Inauguration of Mechanical Association
	Mr.S.Natarajan	Managing partner	M/s Dynamic Multi metal	15.07.16	Special lecture
	Mr.M.Ravindra Kumar Sharma	Manager – P.V.Products	BOSCH, Bangalore	23.07.16	Special lecture

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Academic Year	Name of the Academicians / Scientists	Designation	Institution/ Industry	Date	Purpose of Visit
2016-17	Mr. Marco Matarando	Project Quality Engineer	ATV Advanced technology valve, Italy	01.02.17	Students Product development
	Mr. Tosmaz Prusinski	SM, EMEA Mechanics & Transitions	Honeywell Process solution Germany	18.02.17	Campus visit
	Mr. Karel	Global Commodity Manager	Honeywell Process solution Germany	18.02.17	Campus visit
	Mr. Juan Arana	CEO	ARFLU, Spain	08.03.17	Establishment of Advanced
	Mr. Esteban Mungia	MD	ARFLU, Spain	08.03.17	Laboratories

25. Seminars / Conferences / Workshops organized & the source of funding

a) National b) International

Academic Year: 2012-13

Seminars Conferences Workshops	N/ I	Title	Date	Funding Agencies
Seminar	-	Seminar on Machine Drawing	08.08.12	AIT
Seminar	-	Applications of Fuel Cells	06.09.12	AIT
Workshop	-	One Day workshop on E-Draft	21.12.12	AIT
Workshop	-	One day workshop on Lab VIEW	30.01.13	AIT

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Academic Year: 2013-14

Seminars Conferences Workshops	N/ I	Title	Date	Funding Agencies
Seminar	-	Seminar on Alternate Energy Sources	04.02.13	AIT
Seminar	-	Awareness Program on avoiding use of plastics	10.03.13	AIT
Seminar	-	Seminar on Fits and Tolerances	08.09.13	AIT
Seminar	-	Seminar on Softwares for Mechanical Engineering	09.09.13	AIT
Workshop	N	Two Days Workshop on “CNC Programming”	04.03.13 05.03.13	AIT
Workshop	N	Teaching Concepts of Engineering Graphics	31.07.13	AIT
Workshop	N	Basics of Automobile Technology	06.09.13	AIT
Workshop	-	CNC programming	04.10.13	AIT
Workshop	N	One Day Workshop on “Solar Energy”	24.01.14	AIT
Seminar	-	One Day Seminar on WT	28.01.14	AIT
Workshop	N	One day workshop on Lab view	29.01.14	AIT
Workshop	N	One Day Workshop on “Detailed Document Preparation for Events”	07.03.14	AIT
Seminar	-	Awareness Program on Conservation of Energy	11.03.14	AIT

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Academic Year: 2014-15

Seminars Conferences Workshops	N/ I	Title	Date	Funding Agencies
Seminar		Industry Ready Engineers	01.08.14	AIT
Workshop	N	Workshop on Basics of Automotive Power train	06.08.14	AIT
Workshop	N	Hands on training in Automation Studio	27.08.14	AIT
Seminar	-	Seminar on Productivity Improvements	02.09.14	AIT
Workshop	N	Workshop on CNC Programming	05.09.14	AIT
Seminar	-	Seminar on How to prepare yourself for Journal Publications	20.09.14	AIT
Workshop	N	One day workshop on Lab view	29.09.14	AIT
Workshop	N	Workshop on CNC	20.01.15	AIT
Seminar	-	Seminar in Computer Aided Design and CNC	23.01.15	AIT
Workshop	-	Automobile fuel injection system	23.01.15	AIT
Seminar	-	Recent advances in ME	04.02.15	AIT
Seminar	-	Seminar on Geometrical Dimensioning and Tolerance	05.02.15	AIT
Technical symposium	-	State level Technical symposium for polytechnic college students	06.02.15	AIT
Guest Lecture	-	Awareness Program on Pollution	16.03.15	AIT
Workshop	N	One day Workshop on “Automation Techniques using Lab VIEW”	07.02.15	AIT
Seminar	-	Seminar on scope and developments in metal forming process	13.03.15	AIT
Technical Symposium and Conference	N	National level Technical Symposium and Conference	20.03.15	AIT

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Academic Year: 2015-16

Seminars Conferences Workshops	N/ I	Title	Date	Funding Agencies
Seminar		Seminar on Vehicle Dynamics	01.07.15	AIT
Workshop	N	Recent trends in Automobile Engineering for Polytechnic students	12.08.15	AIT
Guest lecture		Guest Lecture on Cost Rationalization in Product Engineering	01.09.15	AIT
Workshop	N	National Technology awareness campaign – part of Garage I	28.09.15-30.09.15	SAE Collegiate club of AIT
Seminar	-	Seminar on solar energy and its applications	26.09.15	AIT
Seminar	-	“Basics of Automobile Engineering”	18.10.15	AIT
Workshop	-	Workshop on E-drafting	14.11.15	AIT
Seminar	-	Seminar on Certain Aspects of Mechanical Sciences	02.02.16	AIT
Seminar	-	Carrier Guidance for the final year students by Maritime Logistics	15.02.16	AIT
Symposium	-	Technical Symposium “ASINTRA -2016	20.02.16	AIT
Workshop	N	One day Workshop on Solar Energy	25.02.16	AIT
Workshop	N	Workshop on CNC Programming	29.02.16	AIT
Seminar	-	Carrier Guidance for the final year students by Benevolent Academy	29.02.16	AIT

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Academic Year: 2015-16

Seminars Conferences Workshops	N/ I	Title	Date	Funding Agencies
Workshop	N	“Recent trend in Automobile engineering”	03.03.16	AIT
Guest Lecture	-	Guest Lecture on Research Avenues in Vibration	10.03.16	AIT
Seminar	-	IIPC – “Seminar On Challenges in Marketing Products Globally”	28.04.16	AIT

Academic Year: 2016-17

Seminars Conferences Workshops	N/ I	Title	Date	Funding Agencies
Guest Lecture	-	Guest Lecture on ‘Computational Fluid Dynamics’	03.08.16	AIT
Workshop	-	Recent Trends in Automobile Engg. for Polytechnic students	04.08.16	AIT
Guest Lecture	-	‘Computational Fluid Dynamics’	04.08.16	AIT
Guest Lecture	-	‘Computational Fluid Dynamics’	05.08.16	AIT
Guest Lecture	-	Guest Lecture on ‘Industrial Automation and Robotics’	09.08.16	AIT

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Academic Year: 2016-17

Seminars Conferences Workshops	N/ I	Title	Date	Funding Agencies
Guest Lecture	-	Guest Lecture on 'Industrial Automation and Robotics'	10.08.16	AIT
Guest Lecture	-	Guest Lecture on 'Industrial Automation and Robotics'	11.08.16	AIT
Guest Lecture	-	Guest Lecture on 'Career Opportunities in Logistic and Shipping'	18.08.16	AIT
Workshop	-	CNC programming for Polytechnic students	30.08.16	AIT
Paper Presentation	-	Intra College Paper Presentation Contest on 'Application of Mathematics in Engineering'	10.09.16	AIT
Symposium	-	Joy of Engineering	10.09.16	AIT
Seminar	-	Edge CAM	12.11.16	AIT
Seminar	N	Challenges and Issues in Solar & Wind Energy Resources	11.01.17	ISRO
Contest	-	Free Aptitude Contest - MATE 2017	16.02.17	AIT
Workshop	-	One Day Workshop on Emerging Trends in Automobile Engineering	17.02.17	AIT

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Academic Year: 2016-17

Seminars Conferences Workshops	N/ I	Title	Date	Funding Agencies
Guest Lecture	-	Guest Lecture on 'Aerodynamic Design and Collision Test of Vehicle using ANSYS'	21.02.17	AIT
Guest Lecture	-	Guest Lecture on 'Aerodynamic Design and Collision Test of Vehicle using ANSYS'	22.02.17	AIT
Workshop	-	CNC Programming	01.03.17	AIT
Special Trainning	-	Special Training on 'AutoCAD'	06.03.17	AIT
Special Trainning	-	Special Training on 'Solid works'	07.03.17	AIT
Special Trainning	-	Special Training on 'ANSYS'	08.03.17	AIT
Special Trainning		Special Training on 'LabVIEW'	14.03.17	AIT
Special Trainning	-	Special Training on 'EdgeCAM'	15.03.17	AIT
Guest Lecture	-	Guest Lecture on 'Energy Conservation'	25.03.17	AIT

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26. Student profile programme / course wise:

Name of the course/ Program	Batch	Application received	Selected	Enrolled		Pass Percentage
				Male	Female	
B.E. Mechanical Engg.	2015-19	*	*	181	5	**
	2014-18	*	*	150	1	**
	2013-17	*	*	183	-	**
	2012-16	*	*	201	-	71.14
	2011-15	*	*	140	-	75.00
	2010-14	*	*	131	-	90.07
	2009-13	*	*	93	-	87.09
	2008-12	*	*	66	-	93.94
M.E. - Engineering Design	2016-18			4	-	**
	2015-17	*	*	-	-	-
	2014-16	*	*	-	-	-
	2013-15	*	*	9	1	60.00
	2012-14	*	*	2	-	100.00

* Through single window system and Consortium, ** NA

27. Diversity of Students

Name of the Course/ Programme	Batch	Percentage of Tamil Nadu Students	Percentage of other State Students	Percentage of Students from Abroad
B.E. Mechanical Engineering	2015-19	88	12	-
	2014-18	84.5	15.5	-
	2013-17	97	3	-
	2012-16	97	3	-
M.E. – Engineering Design	2016-18	100	-	-
	2015-17	100	-	-
	2013-15	100	-	-

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28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc., ?

Name of the Competitive Examinations	2012-13	2013-14	2014-15	2015-16	Total
TANCET	02	-	-	01	03
GATE				02	02
Civil Service				02	02

29. Student Progression

Students Progression	2008-12	2009-13	2010-14	2011-15	2012-16
UG to PG	05	17	03	04	06
Campus selection/other than campus recruitment	9	26	13	15	45
Entrepreneurship/ Self- Employment	20	19	36	16	23
Others	-	-	-	-	-

30. Details of Infrastructural facilities :

a) Department Library

S.No.	Descriptions	Quantity in Numbers
1	Number of books	212
2	Number of Titles	39
3	Daily News Papers	2
4	Number of project thesis	144

b) Internet facilities for Staff & Students:

- Institution is connected with 50 Mbps dedicated internet facility for staff and students, all the system are connected with network.
- All the faculty members are provided with individual PC

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c) Class rooms with ICT facility

- Class room with permanent LCD and computer with internet facility available in the department.
- Apart from the above 3 mobile projector and one OHP projector facility available.

d) Laboratories for UG and PG

S.No	Name of the Laboratory
1	Basic Workshop Civil & Mechanical
2	Manufacturing Technology Lab-I & II
3	Fluid Mechanics & Machinery Lab
4	Metrology & Measurements Lab
5	Strength of Materials Lab
6	Dynamics Lab
7	Thermal Engineering Lab -I
8	Thermal Engineering Lab - II
9	Mechatronics Lab
10	CAD Lab
11	CAM Lab
12	Programming Lab
13	Product Lab
14	Sensor & Interfacing Lab
15	Automobile Engineering Lab
16	Energy Engineering Lab
17	Communication Lab

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	2016-17	2015-16	2014-15	2013-14	2012-13
No of Students	309	312	237	162	53

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Academic Year	Special Lectures / Workshops / Seminar	Title	Date	External Experts
2012-13	Special lecture	Awareness program on Fire and safety	10.09.12	Mr.Annadurai.D, Station officer, Fire and rescue services
	Special lecture	Awareness program on Fire and safety	10.09.12	Mr.Krishnamoorthy.P, Assistant Divisional Fire officer, Fire & Rescue services
	Special lecture	IC Engines	30.01.13	Dr.B.Giriraj, Associate Professor/ Automobile, PSG college of technology
	Special lecture	Interaction with Entrepreneur	22.03.13	Mr.K.Jagadesh, Managing Director, Abi Automation, Coimbatore.
2013-14	Special lecture	Success stories of Entrepreneur	10.10.13	Mr.C.J.Karthikeyan, M.D., Universal Hydraulics India Pvt Ltd
2014-15	Workshop	Lab VIEW	29.09.14	Mr.B.Somasundaram , Manager, Plant Engineering & Maintenance, ZF wind power
	Special lecture	Vannangalum Ennagalum	04.02.15	Mr.K.Pari Vallal, CEO, DMW CNC centre, Perundurai
	Special lecture	Industry ready engineers	04.02.15	Mr.M.Sridhar, HR-Manager, DMW CNC centre, Perundurai

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Academic Year	Special Lectures / Workshops / Seminar	Title	Date	External Experts
2014-15	Special lecture	Technical Symposium	23.03.15	Mr.G.M.Ramachandran, Plant Manager, Velan Valves, India pvt. Ltd.
	Special lecture	Engineering Mechanics	30.03.15	Dr.R.Kumaravelan, Prof. &Head, Mechanical,, Velalar College of Engg. And Tech.
	Special lecture	Academic Interns	08.05.15 – 12.05.15	Dr.Poduval, Professor/ Mech, Karpagam University
	Special lecture	Academic Interns	09.05.15	Dr.C.Velmurugan Professor/ Mechanical, Kumarguru college of Tech
	Special lecture	Environmental Science and Engineering	18.05.15	Dr.P.Yugananth, ADE, IT Cell, Dept. of Highways, Chennai.
2015-16	Special lecture	Heat and Mass Transfer	14.06.15	Dr.T.V.Arjunan, Prof. &Head, Mechatronics, Coimbatore Inst.of Engg. & Tech.
	Special lecture	Kinematics of Machinery	13.06.15	Dr.K.Manonmani, Professor/Mechanical, Govt. College of Tech. Cbe.
	Special lecture	Mechatronics	10.06.15	Dr.S.A.Pasupathy, Prof. &Head, Mechatronics, Kumaraguru College Tech. Cbe.
	Special lecture	Fluid Mechanics and Machinery	03.06.15 06.06.15	Prof.P.Vivekanandan, Prof. &Head, Mechatronics, SNS College Tech., Cbe.

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Academic Year	Special Lectures / Workshops /Seminar	Title	Date	External Experts
2015-16	Workshop	Automobile	03.03.16	Mr.Jaya Balaji, Assistant Professor/ Automobile, Karpagam University
	Special lecture	Kinematics of Machinery	22.04.16	Dr.R.Kumaravelan, Prof. &Head, Mechanical, Velalar College of Engg. & Tech.
	Special lecture	Finite Element Analysis	23.04.16	Mr.V.Sivakumar, Associate Professor /Mechanical, MAM, Trichy
2016-17	Special lecture	How to become an entrepreneur	15.07.16	Mr.S.Natarajan , Managing partner, M/s Dynamic Multi metal
	Special lecture	Motivational	23.07.16	Mr.M.Ravindra Kumar Sharma, Manager – P.V.Products, BOSCH, Bangalore
	Special lecture	Inauguration of Wadhvani Foundation- NEN	05.08.16	Vishnu Priya. Regional Manager, Wadhvani Foundation.
	Guest Lecture	“STARTUP 101”	08.02.17	Mr.Saravanesh Vadivel, Director of Data Tech Cloud Solutions, Textile Start up Mentor, Coimbatore.
	Guest Lecture	“LET US TALK”	16.03.17	Mr.Giri, Managing Director, GSV Corporation,Cbe.

33. Teaching methods adopted to improve student learning

Aiming at the effectiveness of the teaching learning process, the department facilitates the use of various teaching methods / tools such as

- Animation Oriented concept explanation
- Course plan, lesson plan, session plan, lecture notes are uploaded in Adithya LMS, students can refer anywhere
- Industrial visit has been arranged according to their curriculum and evaluate their knowledge grasped.
- Skill Development Training on latest software
- Group discussion, technical presentation, tutorial class have conducted
- Last ten minutes of each hour, students are allowed to summarize the topic covered on that period
- ICT enabled Class Room teaching enrich their knowledge level
- Students can utilize the laboratory resources at any time
- Daily news papers are placed in veranda
- Video lectures while taking class
- NPTEL Video lecture
- Application oriented Concept details for Lesson wise and Session wise
- Learning Measurement Test for Session wise
- Consolidated unit overview of the subjects
- Faculty prepared hand written notes
- Special classes during examination time
- Special classes for slow learners during evening hours
- Library facility are available within the department
- Internet facility are available in department attached laboratory, students can utilize and update their knowledge
- The department is approved centre for PMKVY by AICTE and the courses will be commenced from Phase II

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34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The college has the following social welfare activities

S.No	Academic Year	Event
1	2014-15	Supporting polytechnic students with CNC, Automobile and AutoCAD workshops
2	2015-16	Food preparation during Chennai flood
3	2015-16	Supporting rural schools by conducting tests on objective type questions
4	2015-16	Supporting rural schools with lab facilities for vocational students
5	2016-17	Swatch Bharat campaign, cleaning of railway station
6	2016-17	Right to vote awareness campaign
7	2016-17	Tree plantation program
8	2016-17	Removal of seemai karuvelam trees
9	2016-17	Supporting WEEP organisation by procuring their food packages to create fund to eradicate beggars and help women earn their own livelihood
10	2016-17	Greenest Campus Awards for school students
11	2016-17	Adithya Blood Donors Club

35. SWOC analysis of the department and Future plans

Strength

- Department of Mechanical Engineering is an approved Research Centre of Anna University.
- We have students from various states and this enhances and also exchanges their views and socio cultural behaviour of students.
- We have robust Industrial connect with in our group of Mechanical Industries and this enhances as Industry Integrated Institute.
- Our Solar Energy Engineering Laboratory is empowered by M/s. Dev Solar.

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- Continuous encouragements given to students to take part in various International and National level technical events and as a result they had won many prizes.
- Faculty taking part in National and International Conferences, Seminars, Workshops and Faculty development program on their respective domains.
- Good number of papers published in National and International level Journals.
- The Department has the potential to offer course on Ph.D. and M.S (By research) programme in Mechanical Engineering for other colleges faculty members. More than One third of our faculty members are pursuing Ph.D. research.
- Serene and Well equipped Infra Structure and Laboratories.
- Faculties are Qualified, Experienced with Academic and Industrial backgrounds with high commitment to impart knowledge to the students.

Weakness

- Acquiring funded research projects
- Less number of participation in Professional Bodies.
- Less number of Inter disciplinary projects.
- In filing the patents.

Opportunities

- To afford Testing and Consultancy services to the Industries.
- Involvement in rural development activities through various club activities.
- Industry oriented Skill Development Training.
- To provide lab facilities to the vocational students of Higher Secondary School students.

Challenges

- In providing Placement in Multinational core companies.
- Global technological update.
- Getting Industrial Projects, Internships and Visits in highly developed Industries.
- Improving learning qualities for rural students.

Future Plans

- Organizing International Conferences, Seminars and Workshops in emerging fields.
- To obtain NBA status for UG programme.

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- Establishing Centre of Excellence in Manufacturing, Design and Thermal stream.
- To file patents of innovative students projects.
- To produce high number of Entrepreneurs.
- Improve the Graduation rate.
- Start-ups and incubation centres for student's entrepreneur.
- Augmenting the number of Consultancy Projects.
- To produce more number of University Ranks.
- Getting Research Grants from reputed funding agencies.

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Evaluative Report of the Department

1. **Name of the Department** : Science and Humanities
2. **Year of establishment** : 2008
3. **Names of programmes offered** :

S.No	Level	Programme
1	UG	B.E & B.Tech
2	PG	M.E

4. **Names of Interdisciplinary courses and the departments / units / subjects involved :**

S.No	Semester	Subjects	Departments Involved
1	01	Computer Programming	Dept. of Computer science Engg.
2	01	Engineering Graphics	Dept. of Mechanical Engg.
3	02	Engineering Mechanics	Dept. of Mechanical Engg.
4	02	Basic Civil and Mechanical Engineering	Dept. of Mechanical Engg.
5	02	Circuit Theory	Dept. of Electrical and Communication Engg.
6	02	Basic of Electrical and Electronics Engineering	Dept. of Electrical and Electronics Engg.
7	02	Electronics Device	Dept. of Electrical and Communication Engg.
8	02	Digital Principal and System Design	Dept. of Electrical and Communication Engg.
9	02	Programming and Data Structures	Dept. of Computer science Engg.

5. **Annual / semester / choice based credit system (Programme wise)**

S.No	Level	Programme	Annual / Semester Credit System
1	UG	B.E & B.Tech	Semester – Credit based system
2	PG	M.E	Semester – Credit based system

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6. Participation of the department in the courses offered by other departments

i. U.G. - B.E. & B.Tech

S.No	Semester	Subjects	Departments Involved
1	03	Transforms and Partial Differential Equations	Dept. of Civil Engg.
2	04	Numerical Methods	
3	05	Communication and Soft Skills -Laboratory Based	
4	06	Communication and Soft Skills -Laboratory Based	Dept. of CSE.
5	03	Transforms and Partial Differential Equations	
6	04	Probability and Queueing Theory	
7	05	Discrete Mathematics	
8	06	Communication and Soft Skills -Laboratory Based	
9	07	Resource Management Techniques	Dept. of ECE.
10	05	Communication and Soft Skills -Laboratory Based	
11	03	Transforms and Partial Differential Equations	
12	04	Numerical Methods	
13	05	Communication and Soft Skills -Laboratory Based	
14	03	Transforms and Partial Differential Equations	
15	04	Probability and Random Processes	
16	06	Communication and Soft Skills -Laboratory Based	Dept. of Mechanical.
17	03	Transforms and Partial Differential Equations	
18	04	Statistics and Numerical Methods	
19	06	Communication and Soft Skills -Laboratory Based	

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ii. P.G. - M.E.

S.No	Semester	Subjects	Departments Involved
1	01	Advanced Mathematical Methods	Dept. of Civil Engg.
2	01	Applied Probability and Statistics	Dept. of Computer Science Engg.
3	01	Applied Mathematics for Electronics Engineers	Dept. of Electronics Communication Engg
4	01	Advanced Numerical Methods	Dept. of Mechanical Engg

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

8. Details of courses/programmes discontinued (if any) with reasons:

Nil

9. Number of teaching posts

	Sanctioned	Filled
Professors	2	2
Associate Professors	2	2
Asst. Professors	9	9

10. Faculty profile with name, qualification, designation, specialization :

S.No	Name	Qualification	Designation	Specialization	No. of Years of Experience (Teaching)	No. of Ph.D students guided for the last year
1	Dr.M.R.Sitrarasu	M.Sc,P h.d.,	Prof.	Queuing Theory	39 Years 11 months	-
2	Mrs. S.Sudharani*	M.Sc, M.Phil	Assoc . Prof.	Fluid Dynamics	17 years 4 months	-
3	Mrs. J.Chitradevi	M.Sc, M.Phil	Asst. Prof.	Queuing Theory	8 Years 3 months	-
4	Mrs. K.M.Shenthil vadivukkarasi	M.Sc, M.Phil	Asst. Prof.	Differenti al Equations	4 years 6 months	-
5	Mr.P.Selvam*	M.Sc, M.Phil	Asst. Prof.	Fuzzy Theory and Optimizat ion technique	11 years 5 months	-
6	Mrs. C.Bhuvaneswari	M.Sc, M.Phil	Asst. Prof.	Mathemat ics	8 years 6 months	-
7	Dr.A.Chandran	M.A, Ph.d.,	Asst. Prof.	English Literature	37 years 6 months	7 [#]
8	Mrs. Sareena Angelin. Y.R	M.A, M.Phil	Asst. Prof.	Translatio n	6 years 6 months	-
9	Mr.K.Sakthivel	M.Sc, M.Phil	Asst. Prof.	Thin Flim	8 Years 7 months	-
10	Mr. A.Nandakumar	M.Sc, M.Phil	Asst. Prof.	Nuclear Physics	4 years 4 months	-

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11	Dr. Manikandan.V	M.Sc, M.Phil ,Ph.D	Asst. Prof.	Physics	3 years 2 months	-
12	Mr. K.S.Ramesh*	M.Sc, M.Phil	Asst. Prof.	Polymer Chemistry	7 years 8 months	-
13	Mr Edison.D*	M.Sc, M.Phil	Asst. Prof.	Polymer Chemistry	1 year 9 months	-

* Pursuing Ph.D. # Guiding Ph.D.

11. List of senior visiting faculty :

Nil

12. Percentage of lectures delivered and practical classes handled by temporary faculty:

Nil

13. Student -Teacher Ratio

i. U.G. - B.E.

S.No	Level	Programme	Student-Teacher ratio
1	UG	B.E & B.Tech	20:1

ii. P.G.

S.No	Level	Programme	Student-Teacher ratio
1	PG	M.E	12:1

14. Number of academic support staff (Technical) and administrative staff; sanctioned and filled:

S.No	Staff	Sanctioned	Filled
1	Technical	01	01
2	Administration	01	01

15. Qualifications of teaching faculty with DSc / D.Litt / Ph.D / MPhil / PG

S.No	Academic Year	Qualification with Ph.D.	Qualification with M.Phil
1	2016-17	3	10

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16. Number of faculty with ongoing projects from National /International funding agencies and grants received

Nil

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received :

Nil

18. Research Centre / Facilities recognized by the University :

Nil

19. Publications :

a) Publication per faculty: 3 per year

S.No	Name of the Faculty	Publication details for last four years	
		Journals N & I	Conference N & I
1	Mrs. S.Sudharani*	3	-
2	Mr.P.Selvam*	2	2
3	Dr. Manikandan.V	3	-
4	Mr. K.S.Ramesh*	3	-
Total		11	02

N – National, I - International

b) Number of papers published in peer reviewed journals (national /international) by faculty and students:

Academic year	International Journals	National Journals	Total
2012-13	1	-	1
2013-14	1	-	1
2014-15	-	-	-
2015-16	7	-	7
2016-17	2	-	2

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c) Number listed in International Database

Web of Science	-
Scopus	2
Humanities International Complete	-
Dare Database - International Social Sciences Directory	-
EBSCO host -	-
Any Other	-

d) Monographs: 12

e) Chapter in books: Nil

f) Books Edited: Nil

g) Books with ISBN / ISSN numbers with details of publishers: Nil

h) Citation index: Nil

i) SNIP: Nil

j) SJR: 2

k) Impact factor: Min-0.53,Max:4.6257

l) h-index: 9

20. Areas of consultancy and income generated

Nil

21. Faculty as members in

a) National Committee b) International Committee c) Editorial Boards

Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme:

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:

Nil

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23. Awards/ Recognitions received by faculty and students:

Nil

24. List of eminent academicians and scientists/ visitors to the department

Academic Year	Name of the Academicians / Scientists	Designation	Institution/ Industry	Date	Purpose of Visit
2012-13	Dr.K.Sumathi	Asso.Prof	PSG Krishnammal College for Women	22.12.12	Srinivasa Ramanujam Mathematical carnival
	Dr.K.Natarajan	Eminent Scientist	Bharathiyar university	15.12.12	State level Science and Environmental Exhibition

25. Seminars / Conferences / Workshops organized & the source of funding

a) National b) International

Academic Year	Seminars Conferences Workshops	N/ I	Title	Date	Funding Agencies
2013-14	Seminar	-	FDP on methodology of teaching for effective learning	21.02.14 22.02.14	AIT
2014-15	Workshop	-	Workshop on Micro teaching	02.06.14 - 04.06.14	AIT
	Workshop	-	Workshop on Micro teaching	09.06.14 - 11.06.14	AIT

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26. Student profile programme / course wise:

Name of the course/ Program	Batch	Application received	Selected	Enrolled		Pass Percentage
				Male	Female	
U.G.B.E.	Civil	*	*	19	03	-
	CSE	*	*	13	21	-
	ECE	*	*	09	11	-
	EEE	*	*	06	02	-
	IT	*	*	08	02	-
	Mech	*	*	88	00	-

* Through single window system and Consortium

27. Diversity of Students

Name of the Course/ Programme	Batch	Percentage of Tamil Nadu Students	Percentage of other State Students	Percentage of Students From Abroad
B.E & B.Tech	2016-20	81.3	18.7	-
	2015-19	91.3	8.7	-
	2014-18	86.4	13.6	-
	2013-17	98	2.0	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc., ?

Nil

29. Student Progression

Nil

30. Details of Infrastructural facilities :

a) Department Library

S.No.	Descriptions	Quantity in Numbers
1	Number of books	70
2	Number of Titles	17

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b) Internet facilities for Staff & Students:

- Institution is connected with 50 Mbps dedicated internet facility for staff and students, all the system are connected with network.
- All the faculty members are provided with individual PC

c) Class rooms with ICT facility

- Class room with permanent LCD and computer with internet facility available in the department.
- Apart from the above 3 mobile projector and one OHP projector facility available.

d) Laboratories for UG and PG

S.No	Name of the Laboratory
1	Communication Skills Laboratory
2	Chemistry Laboratory
3	Physics Laboratory

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	2015-16	2014-15	2013-14	2012-13
No of Students	256	102	341	86

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Nil

33. Teaching methods adopted to improve student learning

Aiming at the effectiveness of the teaching learning process, the department facilitates the use of various teaching methods / tools such as

- Chalk and talk
- Group discussion ,
- Debate ,
- power point presentation,
- assignment,
- Learning management system ,
- seminars ,
- Work shop,

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- Conference ,
- Brain storming,
- Role play

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Nil

35. SWOC analysis of the department and Future plans

Strength

- Well qualified and dedicated faculty members.
- Laboratories with full fledged facilities.
- Modern Language laboratories to improve communicative English.
- Producing good results in the university examination.
- Students are enriched with scientific temper.
- Giving individual care to the students in their well-being.
- Counselling the slow achievers in their academic areas.
- Creating a social responsibility and awareness.

Weakness:

- Lack of communicative English among the students.
- Stage fear with students
- Very few doctorates.

Opportunities

- MoU with nearby industries
- Video conferencing facility can be utilized to Interact with experts.
- Enhancing projects work by students with the assistance of funding Agencies.
- Collaborative activities with other Universities.
- Imparting different levels of training in English language to meet the global competition.
- Department has the opportunity of increasing the R &D activities
Industrial visits to core engineering companies

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- Publication of articles in journals

Challenges

- Providing verities of linguistic opportunities for rural students
- Periodical faculty development programme
- Conducting programs to bridge Mathematics and Engineering.
- Facilitating the students to improve their innovative ideas.
- Making the students from rural area, to get rid of stage-fear, fear of English and fear of speaking.
- Training the students to cope up with employable skills.
- Diverting the students from the clutches of media such as TV, Whatsapp, twitter, etc.

Future Plans

- To bring the department as a real learning centre.
- Periodical seminar, conferences, symposiums and workshop in order to come up with new concepts and trends in language, chemistry, physics and mathematics.
- Stage fear being a stumbling block, efforts would be taken to eliminate the fear.
- All around skills and talent of the student would be incorporated.
- Employable skills would be trained to face the placement challenges.
- Faculty members will be motivated and encouraged to pursue Ph.D programme

Annexure I

Copy of AICTE approval



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Southern/1-2811023571/2016/EOA

Date: 05-Apr-2016

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-2811023571
Name of the institute	ADITHYA INSTITUTE OF TECHNOLOGY	Permanent Id	1-2013051
Name of the Society/Trust	ADITHYA EDUCATION TRUST	Institute Address	SF NO. 348/1, 349/1, KURUMBAPALAYAM VILLAGE, SS KULUM POST, COIMBATORE, COIMBATORE, COIMBATORE, Tamil Nadu, 641107
Institute Type	Unaided - Private	Society/Trust Address	53/A3, FIRST CROSS BHARATHI NAGAR, GANAPATHY(PO) COIMBATORE, COIMBATORE, COIMBATORE, Tamil Nadu, 641006

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the Intake indicated below for the academic year 2016-17

Application Id: 1-2811023571			Course	Full/Part Time	Affiliating Body	Intake 2015-16	Intake Approved for 2016-17	NET Approval status	PIO / FN / Gulf quota Approval status	Foreign Collaboration/Twinning Program Approval status
Program	Shift	Level								
ENGINEERING AND	1st Shift	PGS T GRA	APPLIED ELECTRONICS	FULL TIME	Anna University, Chennai	18	18	NA	NA	NA

Application Number: 1-2811023571

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Letter Printed On:29 April 2016

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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

TECHNOLOGY		DUAL								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	ENGINEERING DESIGN	FULL TIME	Anna University, Chennai	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	STRUCTURAL ENGINEERING	FULL TIME	Anna University, Chennai	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	VLSI DESIGN	FULL TIME	Anna University, Chennai	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Anna University, Chennai	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
	1st	UNDER	MECHANICAL	FULL	Anna	240	240	NA	NA	NA

Application Number: 1-2811023571

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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

ENGINEERING AND TECHNOLOGY	Shift	ER GRADUATE	ENGINEERING	TIME	University, Chennai					
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA

The above mentioned approval is subject to the condition that ADITHYA INSTITUTE OF TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the Institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:

1. The Regional Officer,
All India Council for Technical Education
Shastri Bhawan 26, Haddows Road
Chennai - 600 006, Tamil Nadu
2. The Director Of Technical Education,
Tamil Nadu
3. The Registrar,
Anna University, Chennai
4. The Principal / Director,
ADITHYA INSTITUTE OF TECHNOLOGY
SF NO. 348/1, 349/1,
KURUMBAPALAYAM VILLAGE,
SS KULUM POST,
COIMBATORE,
COIMBATORE, COIMBATORE,
Tamil Nadu, 641107
5. The Secretary / Chairman,
ADITHYA EDUCATION TRUST
53/A3, FIRST CROSS
BHARATHI NAGAR, GANAPATHY (PO)
COIMBATORE,
COIMBATORE, COIMBATORE,

Application Number: 1-2811023571

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All India Council for Technical Education
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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Tamil Nadu, 641006

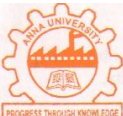
6. Guard File(AICTE)

Application Number: 1-2811023571
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Annexure II

Copy of Anna University approval


ANNA UNIVERSITY
CHENNAI - 600 025, INDIA

REGISTRAR

Phone : (O) 22352161, 22357004
 Fax : 91-44-2235 1956
 Gram : ANNATECH
 E-mail : registrar@annauniv.edu

Lr No. 02 /AFFLN/CAI//CBE/AU/2016-17/7101 Date: 13-05-2016

To

The Principal,
Adithya Institute of Technology, S.F.No. 348/1,349/1,
Kurumbapalayam, SS Kulam(PO), Coimbatore-641107

Sir,

Sub: AU - AFFILIATION - Provisional Affiliation for the existing course(s) / New course(s) / variation in intake - U.G. / P.G. for the academic year 2016-17 Granted - Reg.

Ref: 1. Your application for affiliation for the academic year 2016-17
 2. AICTE Approval for the academic year 2016-17.

I am to inform that under the provisions of Section 7.6.1 of the Statutes for affiliation of Anna University, Chennai, **Provisional Affiliation** for the continuation of the existing course(s) / new course(s) / variation in intake in the existing course(s) is granted for the following U.G / P.G. courses with the sanctioned intake mentioned against each course for the academic year **2016-17** at **Adithya Institute of Technology, S.F.No. 348/1,349/1, Kurumbapalayam, SS Kulam(PO), Coimbatore-641107.**

Sl. No.	Degree	Course(s)	Sanctioned Intake	
			2015-16	2016-17
1	B.E.	Civil Engineering	60	60
2	B.E.	Computer Science and Engineering	120	120
3	B.E.	Electrical and Electronics Engineering	60	60
4	B.E.	Electronics and Communication Engineering	120	120
5	B.E.	Mechanical Engineering	240	240
6	B.Tech.	Information Technology	60	60
7	M.B.A.	Master of Business Administration	60	60
8	M.E.	Applied Electronics	18	18
9	M.E.	Computer Science and Engineering	24	24
10	M.E.	Engineering Design	24	24
11	M.E.	Structural Engineering	24	24
12	M.E.	VLSI Design	24	24

The above said Provisional Affiliation is being granted subject to the fulfillment of the conditions mentioned below:

- Production of Originals of AICTE / COA / DGS approval and all other related documents for verification, whenever demanded by the University.
- Verification by a Committee towards the fulfillment of the conditions mentioned above and the continued fulfillment of the requirements for the above-mentioned course(s) as per the norms and standards of AICTE / University and the laboratory requirements as per the curricula and syllabi of Anna University, Chennai for the above courses. In the event of any violation/infringement of the above said conditions and / or the provisions of Anna University, Chennai Act / Statutes / Regulations, AICTE Act, norms & standards / regulations / guidelines or any other law being in force, suitable action including suspension / withdrawal of affiliation of course(s) may be initiated against the college.

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- Students should not be admitted for the above course(s) for the next academic year without obtaining the order of continuation of provisional affiliation for the next academic year from the University.

The Provisional Affiliation is granted without prejudice to the right of the University of requiring production of certificate required under Section 37-B of TAMILNADU Reforms (LC) Act 1961 subject to the decision of the Hon'ble High Court of Madras in W.A. No. 3454 / 2002 batch and W.A. No. 3482 / 2002 batch.



Yours sincerely,


REGISTRAR

REGISTRAR

ANNA UNIVERSITY
CHENNAI-600 025

Copy to:

- The Director of Technical Education, DOTE campus, Chennai - 600 025.
- The Regional Officer, Southern Regional Office, AICTE, 26, Haddows Road, Shastri Bhawan, Chennai 600 006.

Annexure III

Copy of AISHE Certificate 2016-17

