



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

|   |  |   |
|---|--|---|
| <b>1. Name of the Institution</b>             |  | ADITHYA INSTITUTE OF TECHNOLOGY                       |
| Name of the head of the Institution           |  | Dr .S.Muthu   |
| Designation                                   |  | Principal   |
| Does the Institution function from own campus |  | Yes   |
| Phone no/Alternate Phone no.                  |  | +917373381000   |
| Mobile no.                                    |  | 9790017157  |
| Registered Email                              |  | principal@adithyatech.com                             |
| Alternate Email                               |  | mylsamy_k@adithyatech.com                             |
| Address                                       |  | S.F.nO.348/1. 349/1, Kurumbapalayam, SS<br>Kulam Post |
| City/Town                                     |  | Coimbatore  |
| State/UT                                      |  | Tamil Nadu  |
| Pincode                                       |  | 641107  |

| 2. Institutional Status   |                 |   |                                       |             |             |
|---|-----------------|---|---------------------------------------|-------------|-------------|
| Affiliated / Constituent  |                 | Affiliated  |                                       |             |             |
| Type of Institution   |                 | Co-education  |                                       |             |             |
| Location  |                 | Rural   |                                       |             |             |
| Financial Status  |                 | Self financed   |                                       |             |             |
| Name of the IQAC co-ordinator/Director                                    |                 | Dr.K.,Mylsamy   |                                       |             |             |
| Phone no/Alternate Phone no.  |                 | +917373381000   |                                       |             |             |
| Mobile no.  |                 | 9865974859  |                                       |             |             |
| Registered Email  |                 | info@adithyatech.com  |                                       |             |             |
| Alternate Email   |                 | iqac@adithyatech.com  |                                       |             |             |
| 3. Website Address  |                 |   |                                       |             |             |
| Web-link of the AQAR: (Previous Academic Year)                            |                 | <a href="http://www.adithyatech.edu.in/wp-content/uploads/2020/01/AQAR-2018-2019.pdf">http://www.adithyatech.edu.in/wp-content/uploads/2020/01/AQAR-2018-2019.pdf</a>                               |                                       |             |             |
| 4. Whether Academic Calendar prepared during the year                     |                 | Yes   |                                       |             |             |
| if yes,whether it is uploaded in the institutional website:<br>Weblink :  |                 | <a href="http://www.adithyatech.edu.in/wp-content/uploads/2014/10/Academic-calendar-2020-21-odd.jpg">http://www.adithyatech.edu.in/wp-content/uploads/2014/10/Academic-calendar-2020-21-odd.jpg</a> |                                       |             |             |
| 5. Accrediation Details   |                 |   |                                       |             |             |
| Cycle   | Grade           | CGPA  | Year of Accrediation                  | Validity    |             |
|   |                 |   |                                       | Period From | Period To   |
| 1   | B+              | 2.53  | 2017                                  | 12-Sep-2017 | 12-Sep-2022 |
| 6. Date of Establishment of IQAC  |                 |   | 18-Aug-2017                           |             |             |
| 7. Internal Quality Assurance System                                      |                 |   |                                       |             |             |
| Quality initiatives by IQAC during the year for promoting quality culture |                 |   |                                       |             |             |
| Item /Title of the quality initiative by IQAC                             | Date & Duration |   | Number of participants/ beneficiaries |             |             |

|   |                  |    |
|---|------------------|----|
| Program on Effective preparation of AQAR report | 15-Oct-2019<br>1 | 50 |
| Academic Audit                                  | 22-Oct-2019<br>1 | 10 |
| Academic Audit                                  | 09-Jun-2020<br>1 | 10 |
| <a href="#">View File</a>                       |                  |    |

**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

| Institution/Department/Faculty | Scheme  | Funding Agency | Year of award with duration | Amount |
|--------------------------------|---------|----------------|-----------------------------|--------|
| Mr.Kirubakaran                 | Project | TNSCST         | 2019<br>180                 | 7500   |
| Ms.Sivaranjani                 | Project | TNSCST         | 2019<br>180                 | 7500   |
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

Assist to prepare academic calendar Assist to prepare department level road map Performance appraisal of faculty is an important activity and IQAC shall be nodal centre for the same Strengthened placement cell and IIPC Publication of journal in international standards ? Organizing workshop, seminars on quality related themes Development of research based work culture Documentation for academic and administration work ? Creating links with industries through MoU Parent Teacher Meeting to strengthen students' academic progression Faculty attended workshops on the Choice Based Credit System to be newly implemented at the Anna University, Chennai Institutional Social Responsibility activities were given due importance Academic autonomy was ensured through systematic check points. More Faculty

Development Programs, workshops and seminars were organised for ensuring quality in higher education and creating awareness to bridge the gap between traditional pedagogy.

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**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

| Plan of Action  | Achivements/Outcomes   |
|---|--|
| Academic Calendar   | The Academic Calendar for the session 201920 was more elaborate and was successfully executed.                       |
| Accelerate the clubs and cells activity                       | Many activities and programme were organised   |
| Conduct internal academic audit                               | Internal academic audit has been conducted for all departments in between internal assessment tests                  |
| Academic autonomy was ensured through systematic check points | All courses follow a lecture plan and all teachers prepare a course-file for their respective subjects each semester |
| College website upgraded                                      | Stakeholders aware of all information online   |
| Legal awareness for women                                     | Empowerment of women through awareness of their legal rights   |
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**14. Whether AQAR was placed before statutory body ?**

Yes

| Name of Statutory Body | Meeting Date |
|------------------------|--------------|
| Governing Body         | 16-Nov-2019  |

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

No

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2020

Date of Submission

15-Feb-2020

**17. Does the Institution have Management Information System ?**

Yes

|   |   |
|---|---|
| <p>If yes, give a brief description and a list of modules currently operational (maximum 500 words)</p> | <p>The institution is starting from used to Learning Management Systems (LMS). The following systems are fully functional in the Institute • Biometric Attendance System for Staff . • Library is fully automated and uses the software • Institutional email system • Online system for Daily Reports • MOOC and Google Classroom • CCTV and Security Systems • Publications in e-version • SMS through notification gateway is sent to parents regarding low attendance and academic performance etc. • The latest news, updates and information is provided to various stakeholders through facebook, LinkedIn, and other social media platforms. • Ledger records are maintained electronically through Tally. • Students evaluate teachers online through TAQ (Teaching Assessment Questionnaire) and outcome are evaluated, analyzed and computed. • Apart from all these the students are encouraged to develop apps, websites and software as per the requirements. • The social media profile of the institute is also actively managed by the team of students.</p> |
|---|---|

## Part B

### **CRITERION I – CURRICULAR ASPECTS**

#### **1.1 – Curriculum Planning and Implementation**

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

AIT is committed to provide the distinctive learning environment and skills, for understanding of self and others, to learn to solve personal and social problems and continually improving the overall performance of the 'Learning Management Systems'. While revision and up-gradation of the syllabus is done at the University level, the college has a mechanism for effective, documented curriculum delivery. At the commencement of each academic year, every faculty member provides the students with individual time plans and reading lists for each course which are displayed in the LMS which can be easily accessed by the students. These time plans are adhered to, so that the student is able to gauge with a degree of clarity regarding the portion of curriculum will be delivered within the stipulated time frame. These time plans are also preserved each year as documentation. Besides traditional lectures and seminars, infrastructure for the use of ICT in classrooms, like power point presentations etc., are all available to make the delivery of the curriculum enabling and interesting for the students. In some departments bridge courses or improvement / remedial courses are held in order to make the curriculum delivery more holistic and effective. Tutorials are held for participative learning and it is encouraged. Internal assessment is done transparently with examined scripts shown to students. The institute and Faculty members are effectively available for bridging the knowledge gap of the enrolled 'slow learners' to enable them to

cope up with the programme of their choices and as well as to promote, reward and facilitate 'advanced' learners. This includes mentorship, tutorials and remedial teaching. The entire approach is student centric. As per the lesson plan the contents are delivered to the students and it is monitored by respective program coordinators and Head of the departments and members of IQAC Committee.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

| Certificate                    | Diploma Courses | Dates of Introduction | Duration | Focus on employ ability/entrepreneurship | Skill Development           |
|--------------------------------|-----------------|-----------------------|----------|--|-----------------------------|
| Lab view                       | SDT             | 15/07/2019            | 48       | Employability Entrepreneurship           | Acquired Practical Exposure |
| AutoDesk FUSION 360            | SDT             | 26/07/2019            | 48       | Employability Entrepreneurship           | Acquired Practical Exposure |
| Edge CAM                       | SDT             | 15/07/2019            | 48       | Employability Entrepreneurship           | Acquired Practical Exposure |
| ANSYS                          | SDT             | 15/07/2019            | 48       | Employability Entrepreneurship           | Acquired Practical Exposure |
| Mobile Application Development | SDT             | 08/06/2019            | 48       | Employability Entrepreneurship           | Acquired Practical Exposure |
| Java Full Stack Development    | SDT             | 08/06/2019            | 48       | Employability Entrepreneurship           | Acquired Practical Exposure |
| CISCO Networking               | SDT             | 08/06/2019            | 48       | Employability Entrepreneurship           | Acquired Practical Exposure |
| IoT Raspberry Pi               | SDT             | 22/07/2019            | 48       | Employability and entrepreneurship       | Acquired Practical Exposure |
| PCB Design Fabrication         | SDT             | 22/07/2019            | 48       | Employability and entrepreneurship       | Acquired Practical Exposure |
| Digital System Design          | SDT             | 22/07/2019            | 48       | Employability and entrepreneurship       | Acquired Practical Exposure |
| Embedded System                | SDT             | 16/12/2019            | 48       | Employability and entrepreneurship       | Acquired Practical Exposure |
| CCNA                           | SDT             | 08/06/2019            | 48       | Employability and entrepreneurship       | Acquired Practical Exposure |
| E-CAD Design                   | SDT             | 24/06/2019            | 48       | Employability and entrepreneurship       | Acquired Practical Exposure |
| PCB Design Fabrication         | SDT             | 22/07/2019            | 48       | Employability and entr                   | Acquired Practical          |

|                        |     |            |    |  |   |
|------------------------|-----|------------|----|--|---|
| E-CAD Design           | SDT | 22/07/2019 | 48 | Entrepreneurship<br>Employability and Entrepreneurship | Exposure<br>Acquired Practical Exposure |
| Embedded System Design | SDT | 16/12/2019 | 48 | Employability and Entrepreneurship                     | Acquired Practical Exposure             |

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

| Programme/Course                          | Programme Specialization | Dates of Introduction |
|---|--------------------------|-----------------------|
| <b>No Data Entered/Not Applicable !!!</b> |                          |                       |
| No file uploaded.                         |                          |                       |

### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

| Name of programmes adopting CBCS | Programme Specialization                  | Date of implementation of CBCS/Elective Course System |
|----------------------------------|---|---|
| BE                               | Mechanical Engineering                    | 01/07/2019  |
| BE                               | Electronics and Communication Engineering | 01/07/2019  |
| BE                               | Electrical and Electronics Engineering    | 01/07/2019  |
| BE                               | Computer Science and Engineering          | 01/07/2019  |
| BE                               | Civil Engineering                         | 01/07/2019  |
| BTech                            | Information Technology                    | 01/07/2019  |
| ME                               | Engineering Design                        | 01/07/2019  |
| ME                               | Applied Electronics                       | 01/07/2019  |
| ME                               | Computer Science and Engineering          | 01/07/2019  |
| ME                               | Structural Engineering                    | 01/07/2019  |
| MBA                              | Master of Business Administration         | 01/07/2019  |

### 1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

| Certificate                               | Diploma Course |
|---|----------------|
| <b>No Data Entered/Not Applicable !!!</b> |                |

## 1.3 – Curriculum Enrichment

### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

| Value Added Courses | Date of Introduction | Number of Students Enrolled |
|---------------------|----------------------|-----------------------------|
| Lab view            | 15/07/2019           | 40                          |
| AutoDesk FUSION 360 | 26/07/2019           | 93                          |
| Edge CAM            | 15/07/2019           | 39                          |
| ANSYS               | 15/07/2019           | 44                          |

|                                |            |    |
|--------------------------------|------------|----|
| Mobile Application Development | 08/06/2019 | 60 |
| Java Full Stack Development    | 08/06/2019 | 60 |
| CISCO Networking               | 08/06/2019 | 60 |
| STAAD Pro                      | 08/06/2019 | 24 |
| <a href="#">View File</a>      |            |    |

### 1.3.2 – Field Projects / Internships under taken during the year

| Project/Programme Title | Programme Specialization         | No. of students enrolled for Field Projects / Internships |
|-------------------------|----------------------------------|---|
| BE                      | Mechanical Engineering           | 19  |
| BE                      | Computer Science and Engineering | 35  |
| BTech                   | Information Technology           | 15  |
| BE                      | Civil Engineering                | 7   |
| BE                      | Internships                      | 245   |
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## 1.4 – Feedback System

### 1.4.1 – Whether structured feedback received from all the stakeholders.

|           |     |
|-----------|-----|
| Students  | Yes |
| Teachers  | Yes |
| Employers | Yes |
| Alumni    | Yes |
| Parents   | Yes |

### 1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

| Feedback Obtained  |
|--|
| <p>The Teachers Assessment Questionnaire (TAQ) taken by students of all batches is given to each teacher by the Principal after being collated, statistically analyzed and tabulated, clarifying, if need be, for quality enhancement in teaching methodology. Observations on general trends are also made. A self-appraisal is prepared by each teacher. The Principal intervenes and addresses possible areas of improvement. Feedback of stakeholders is sought regularly about infrastructure and learning resources for ensuring their maximum satisfaction. Accordingly, continuous review of infrastructure and learning resources is carried out by respective committees and the recommendations are integrated for upgrading, maintaining and utilizing physical, academic and support facilities effectively. Structured feedback is taken from students, alumni, employers and experts from academia, industry and research through course/ programme review feedback. Feedback from students is also taken through class committee meetings, and corrective measures are taken accordingly to improve the teaching learning processes.</p> |

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year



| Name of the Programme | Programme Specialization                  | Number of seats available | Number of Application received | Students Enrolled |
|-----------------------|---|---------------------------|--------------------------------|-------------------|
| ME                    | Computer Science and Engineering          | 24                        | 2                              | 1                 |
| ME                    | Applied Electronics                       | 18                        | 1                              | 1                 |
| ME                    | Structural Engineering                    | 18                        | 14                             | 7                 |
| ME                    | Engineering Design                        | 18                        | 6                              | 1                 |
| BE                    | Computer Science and Engineering          | 60                        | 82                             | 20                |
| BE                    | Mechanical Engineering                    | 120                       | 67                             | 15                |
| BE                    | Electronics and Communication Engineering | 60                        | 50                             | 10                |
| BE                    | Electrical and Electronics Engineering    | 60                        | 20                             | 4                 |
| BTech                 | Information Technology                    | 60                        | 40                             | 12                |
| BE                    | Civil Engineering                         | 60                        | 10                             | 1                 |

[View File](#)

## 2.2 – Catering to Student Diversity

### 2.2.1 – Student - Full time teacher ratio (current year data)

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
|------|---|---|---|---|--|
| 2019 | 86  | 14  | 72  | 18  | 45   |

## 2.3 – Teaching - Learning Process

### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Number of smart classrooms | E-resources and techniques used |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 135                        | 135   | 5                                 | 48                               | 48                         | 207                             |
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| No file uploaded.          |   |                                   |                                  |                            |                                 |

### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Students are supported through remedial coaching classes and mentoring. Students are provided with necessary information and guidance from Alumni to help them in analyzing job profiles and career opportunities after completion of their graduation. Guest lectures are arranged to students for providing overall career development after graduation. Alumni committee is established to bridge the gap between current batch students and passed out for employability skills enhancement required in industry. Students are encouraged to participate in various Seminars, Workshops Symposiums. Subject wise special remedial classes are provided for slow learners. The students who are little slow in their grasping as compared to their counterparts are identified on the basis of their class participation, pass percentage, classroom performance, and regularity in submission of assignments, punctuality and personal interactions. The Mentors are appointed to meet the needs of the slow learners. They provide them personal, academic and social counseling. The mentors help the students, particularly slow learners to develop their personality and move ahead. On the other side, the institute also identifies, the advance learners, and work on them as per the requirements. Advanced learners are facilitated with state of the art facilities in terms of well-equipped library provided with latest edition of books, online journals, computer labs, Internet and other amenities. Advance learners are also encouraged to take up internships and industry based projects. The various activities like management technical fest, quiz, debates, seminars, exhibitions, colloquium etc., are conducted/ made them participated for advanced learners to motivate them and help them excel in all the fields.

| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
|--|-----------------------------|-----------------------|
| 706  | 135                         | 1:5                   |

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

| No. of sanctioned positions | No. of filled positions | Vacant positions | Positions filled during the current year | No. of faculty with Ph.D |
|-----------------------------|-------------------------|------------------|--|--------------------------|
| 135                         | 90                      | 45               | 45                                       | 12                       |

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

| Year of Award                             | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, received from Government or recognized bodies |
|---|---|-------------|--|
| <b>No Data Entered/Not Applicable !!!</b> |   |             |  |
| <a href="#">View File</a>                 |   |             |  |

## 2.5 – Evaluation Process and Reforms

### 2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

| Programme Name                            | Programme Code | Semester/ year | Last date of the last semester-end/ year-end examination | Date of declaration of results of semester-end/ year- end examination |
|---|----------------|----------------|--|---|
| <b>No Data Entered/Not Applicable !!!</b> |                |                |  |   |
| <a href="#">View File</a>                 |                |                |  |   |

### 2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

1. Since the Institution is affiliated to Anna University, it is mandatory to follow the guidelines provided in 2013 and 2017 regulations in evaluating the students. 2. The Existing examination cell of the institution prepares the schedule for internal assessment tests in align with Anna University academic guidelines. These schedules are integrated into the Academic Calendar for

holistic reference and execution with approval of Head of the Institution. 3. The question paper is prepared by the faculty in accordance with Blooms taxonomy and approval of respective department HoD and the Principal. 4. Question paper is prepared to cater the higher order thinking abilities and as well as slow learners able to get through the internal assessment tests. 5. The evaluation is done as per the curriculum design and completed within three days of the conduct of test. 6. The evaluation pattern consists of continuous internal assessment and university examination with 20 and 80 weightage respectively. 7. The internal assessment comprises of 20 marks which is an average of three internal tests. 8. The internal tests are conducted by the Examination Cell as per university pattern with hall arrangements. 9. The answer scripts after evaluation are returned to the students, so that an opportunity is given to the students to discuss the evaluation process with the respective teacher and HoD. 10. Randomly the answer scripts are scrutinized by the respective Heads. 11. The internal tests results are analysed with Principal and Management.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

1. The institute adheres to the Academic Calendar prepared according to the calendar provided by Anna University. Every year Academic calendar is prepared for the institute and also a department wise activity schedule for smooth and effective functioning. 2. This ensures that the curriculum is enriched through related activities like guest lecture, extension series (Value added courses, internship, industrial visit, technical symposium, and industry interaction including webinar). 3. For the academic session the prepared academic calendar is being followed effectively for conduct of internal assessment test and other activities. 4. The academic calendar is displayed on the institute website and also shares with the head of the departments so as to ensure proper execution. 5. In addition to academic activities, curricular (Participation of students in conferences, seminars, workshops, and technical symposium) and extra-curricular activities (sports, NSS, Red Ribbon Club, Rotract, Eco club. Photography club, Youth Red Cross, Fine Arts Club) are effectively implemented for improving organization skills of the students.

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.adithyatech.edu.in>

2.6.2 – Pass percentage of students

| Programme Code                            | Programme Name | Programme Specialization | Number of students appeared in the final year examination | Number of students passed in final year examination | Pass Percentage |
|---|----------------|--------------------------|---|---|-----------------|
| <b>No Data Entered/Not Applicable !!!</b> |                |                          |   |   |                 |
| <a href="#">View File</a>                 |                |                          |   |   |                 |

## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://lms.adithyatech.edu.in/course>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

#### 3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

| Nature of the Project  | Duration | Name of the funding agency               | Total grant sanctioned | Amount received during the year |
|--|----------|--|------------------------|---------------------------------|
| Industry sponsored Projects  | 90       | Greener Technology Solutions             | Nil                    | Nil                             |
| Industry sponsored Projects  | 90       | Vembu Technologies                       | Nil                    | Nil                             |
| Industry sponsored Projects  | 90       | Thoughtbees Technologies Private Limited | Nil                    | Nil                             |
| Students Research Projects (Other than compulsory by the University) | 30       | Thinkaside Technologies                  | Nil                    | Nil                             |
| Students Research Projects (Other than compulsory by the University) | 30       | UCFER                                    | Nil                    | Nil                             |
| Students Research Projects (Other than compulsory by the University) | 180      | TNSCST                                   | 7500                   | 7500                            |
| Students Research Projects (Other than compulsory by the University) | 180      | TNSCST                                   | 7500                   | 7500                            |
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### 3.2 – Innovation Ecosystem

#### 3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

| Title of workshop/seminar   | Name of the Dept.      | Date       |
|---|------------------------|------------|
| Durability of concrete "  | Civil engineering      | 16/07/2020 |
| Strength Properties of Concrete under Shockwave Compaction            | Civil engineering      | 15/07/2020 |
| Two days workshop on heating, ventilation and air conditioning (HVAC) | Mechanical Engineering | 26/09/2019 |
| One day workshop in hands   | Mechanical Engineering | 06/02/2020 |

|  |                                       |            |
|--|---------------------------------------|------------|
| on training of automation using YASKAWA industrial robotics  |                                       |            |
| One day workshop on Solar energy   | Mechanical Engineering                | 12/02/2020 |
| Workshop on advance piping design  | Mechanical Engineering                | 13/02/2020 |
| Supply Chain Risk Management: An Industry Perspective  | Mechanical Engineering                | 08/05/2020 |
| Quality and Reliability Improvement in New product Development   | Mechanical Engineering                | 12/02/2020 |
| Free Webinar on Overview of NDTM   | Mechanical Engineering                | 09/05/2020 |
| Webinar on Quality and Reliability improvement in New Product Development  | Mechanical Engineering                | 12/02/2020 |
| Machine Learning using Python Programming  | Electrical Electronics Engineering    | 21/09/2019 |
| Workshop on PCB Designing Fabrication  | Electrical Electronics Engineering    | 04/01/2020 |
| Workshop on Smart Mobile Technology- Maintenance Servicing   | Electrical Electronics Engineering    | 10/03/2020 |
| Workshop on Industrial Robotics  | Electrical Electronics Engineering    | 10/03/2020 |
| WIPO-eTutorial on using Patent Information   | Electronics Communication Engineering | 23/07/2019 |
| WIPO-Promoting Access to Medical Technologies and Innovation-A WHO,WIPO,WTO Executive Course on Intersections between Public Health, Intellectual Property and Trade | Electronics Communication Engineering | 16/06/2020 |
| WIPO-General Course on Intellectual Property   | Electronics Communication Engineering | 11/05/2020 |
| Industry Interface 01 Induction of Office Bearers of Intentio'19   | Civil engineering                     | 12/07/2019 |
| Career Guidance programme-2019   | Civil engineering                     | 19/07/2019 |
| One day intensive workshop on "E-tab"  | Civil engineering                     | 30/08/2019 |
| Advanced surveying technique using gen- x instruments  | Civil engineering                     | 06/01/2020 |

|   |                   |            |
|---|-------------------|------------|
| Bar bending and cutting schedule  | Civil engineering | 06/02/2020 |
| Joints in Structural Elements   | Civil engineering | 01/05/2020 |
| Detailing of Reinforcement Do's And Dont's  | Civil engineering | 06/05/2020 |
| Pre-Engineered Steel and its Connection Design Details  | Civil engineering | 06/05/2020 |
| Climatic Changes - Role of Engineers  | Civil engineering | 17/07/2020 |
| Urban Frameworks for Indian Cities  | Civil engineering | 22/07/2020 |
| Clean Water:-The first medicine for life  | Civil engineering | 24/07/2020 |
| IIC Ambassador Training Series-MHRD   | All Department    | 06/01/2020 |
| My Story - Entrepreneur's Life Crossroad  | All Department    | 24/08/2019 |
| Entrepreneurship and Innovation as Career Opportunity   | CSE/IT/ECE/EEE    | 13/09/2019 |
| Innowah -Innovation Challenge Competition- Preliminary Round                                  | All Department    | 30/09/2019 |
| Paper Presentation on Innovation/ Social Innovation and Entrepreneurship                      | All Department    | 11/12/2019 |
| Product Development Phases - Story Telling - (Innovators in Campus)                           | All Department    | 14/12/2019 |
| Workshop on National Innovation and Start-up Policy (NISP)                                    | All Department    | 17/12/2019 |
| Idea Champions - Competition  | All Department    | 16/12/2019 |
| E-Session on Hangout with Successful Start-ups  | All Department    | 30/04/2020 |
| E-Session on Intellectual Property (IP) Management at Early Stage of Innovation and Start-ups | All Department    | 07/05/2020 |

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

| Title of the innovation | Name of Awardee                            | Awarding Agency | Date of award | Category            |
|-------------------------|--|-----------------|---------------|---------------------|
| Solar Incinerator       | R.Dhina,<br>K.Yogarani,<br>A.Mathivadhani, | MHRD-SIH        | 12/07/2019    | Winner-1 Lakh Prize |

|   |  |                        |            |  |
|---|--|------------------------|------------|--|
|   | M.Thenmozhi,<br>R.Krithi<br>gasree, Sapna<br>Kumari Pandey   |                        |            |  |
| Cisco<br>Wireless Access<br>IoT app hosting                         | Anitha Kumari<br>Pandey  | MHRD                   | 28/05/2019 | Finalist -<br>Smart India<br>Hackathon                   |
| CISCO Router<br>Based Use Case<br>Development                       | Sapna umara<br>Pandey<br>AnithaKumari<br>Pandey<br>M.Thenmozhi,<br>K.Sathya,<br>T.Kalaiselvi,<br>I.Keerthana | MHRD-SIH               | 18/03/2020 | Finalist   |
| IOT Based<br>control system<br>for Industrial<br>Waste Pollution    | R.Dhina,<br>A.Daniel Raj<br>V.Balaji, T.Ven<br>kateshkumar<br>M.Sairam<br>Yazhini                            | MHRD-SIH               | 19/03/2020 | Finalist   |
| Household<br>Incinerator  | S.P. Monika,<br>M.Ranjana,<br>A.Daniel Raj, T<br>.Venkateshkumar   | PALS                   | 26/02/2020 | Rs.5000<br>Innovation Comp<br>etition-Innowah            |
| Industrial<br>Pollution<br>Monitoring and<br>Control                | R.Dhina,<br>sapna umara<br>pandey,<br>M.Sairam,<br>A.Santhiya  | PALS                   | 26/02/2020 | Rs.5000<br>Innovation Comp<br>etition-Innowah            |
| Automatic<br>Rain harvesting<br>and water<br>purification<br>system | K.Kaleeswari,<br>S.Augusta, P.Th<br>illainayaki,<br>R.Ragini, S.Gok<br>ulakrishnan,<br>P.Jeyaram             | Texas<br>Instruments   | 23/03/2020 | Selected for<br>Semi Finals(Kit<br>worth 200<br>Dollars) |
| Urban<br>afforestation<br>using Drones                              | Azmal Suhail<br>Mahalakshmi<br>Mubashira Begam<br>Jeevitha<br>Yazhini  | Texas<br>Instruments   | 23/03/2020 | Selected for<br>Semi Finals(Kit<br>Worth 200<br>Dollars) |
| Design<br>Manufacturing<br>Though<br>Leadership Meet                | Dr.K.Mylsamy   | AUTODISK<br>FUSION 360 | 23/09/2020 | Fusion<br>Adoption<br>Recognition                        |
| No file uploaded.   |  |                        |            |  |

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

| Incubation<br>Center               | Name | Sponsered By | Name of the<br>Start-up | Nature of Start-<br>up | Date of<br>Commencement |
|------------------------------------|------|--------------|-------------------------|------------------------|-------------------------|
| No Data Entered/Not Applicable !!! |      |              |                         |                        |                         |
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### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

| State | National | International |
|-------|----------|---------------|
| 2     |          |               |

#### 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

| Name of the Department                 | Number of PhD's Awarded |
|--|-------------------------|
| Mechanical Engineering                 | 2                       |
| Computer Science and Engineering       | 3                       |
| Electrical and Electronics Engineering | 1                       |
| Science and Humanities                 | 1                       |

#### 3.3.3 – Research Publications in the Journals notified on UGC website during the year

| Type              | Department | Number of Publication | Average Impact Factor (if any) |
|-------------------|------------|-----------------------|--------------------------------|
| National          | Civil      | 3                     | 2                              |
| International     | CSE        | 2                     | 2                              |
| International     | EEE        | 5                     | 2                              |
| International     | ECE        | 6                     | 1                              |
| International     | Mech       | 12                    | 2                              |
| International     | Civil      | 2                     | 1                              |
| International     | IT         | 1                     | 0.2                            |
| No file uploaded. |            |                       |                                |

#### 3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

| Department                                | Number of Publication |
|---|-----------------------|
| Information Technology                    | 1                     |
| Computer Science and Engineering          | 2                     |
| Civil Engineering                         | 5                     |
| Mechanical Engineering                    | 12                    |
| Electronics and Communication Engineering | 6                     |
| Electrical and Electronics Engineering    | 5                     |
| No file uploaded.                         |                       |

#### 3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

| Title of the Paper                 | Name of Author | Title of journal | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
|------------------------------------|----------------|------------------|---------------------|----------------|---|---|
| No Data Entered/Not Applicable !!! |                |                  |                     |                |   |   |
| <a href="#">View File</a>          |                |                  |                     |                |   |   |



### 3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

| Title of the Paper                        | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|---|----------------|------------------|---------------------|---------|---|---|
| <b>No Data Entered/Not Applicable !!!</b> |                |                  |                     |         |   |   |
| <a href="#">View File</a>                 |                |                  |                     |         |   |   |

### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

| Number of Faculty           | International | National | State | Local |
|-----------------------------|---------------|----------|-------|-------|
| Attended/Seminars/Workshops | 9             | 520      | 10    | Nill  |
| Presented papers            | 28            | 15       | Nill  | Nill  |
| Resource persons            | Nill          | 9        | Nill  | Nill  |
| <a href="#">View File</a>   |               |          |       |       |

## 3.4 – Extension Activities

### 3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

| Title of the activities   | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
|---|--|--|--|
| Demonstration of "Garden Creation" to the students of Adithya Public School on 6.9.19 | AIT- NSS Units                               | 3  | 55   |
| Removal of Seemai Karuvelam tree on 11.1.2020.  | AIT- NSS Units                               | 4  | 58   |
| Awareness Programme on "Corona Virus" held on 10.2.2020                               | AIT- NSS Units                               | 4  | 100  |
| Human Chain   | Rotaract Club                                | 20   | 120  |
| No file uploaded.   |  |  |  |

### 3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

| Name of the activity                      | Award/Recognition | Awarding Bodies | Number of students Benefited |
|---|-------------------|-----------------|------------------------------|
| <b>No Data Entered/Not Applicable !!!</b> |                   |                 |                              |
| No file uploaded.                         |                   |                 |                              |

### 3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

| Name of the scheme | Organising unit/Agency/collaborating | Name of the activity | Number of teachers participated in such | Number of students participated in such |
|--------------------|--------------------------------------|----------------------|---|---|
|--------------------|--------------------------------------|----------------------|---|---|

|   |           |           |
|---|-----------|-----------|
| agency                                    | activites | activites |
| <b>No Data Entered/Not Applicable !!!</b> |           |           |
| <a href="#">View File</a>                 |           |           |

### 3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

| Nature of activity                        | Participant | Source of financial support | Duration |
|---|-------------|-----------------------------|----------|
| <b>No Data Entered/Not Applicable !!!</b> |             |                             |          |
| <a href="#">View File</a>                 |             |                             |          |

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

| Nature of linkage                         | Title of the linkage | Name of the partnering institution/ industry /research lab with contact details | Duration From | Duration To | Participant |
|---|----------------------|---|---------------|-------------|-------------|
| <b>No Data Entered/Not Applicable !!!</b> |                      |   |               |             |             |
| <a href="#">View File</a>                 |                      |   |               |             |             |

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

| Organisation                                    | Date of MoU signed | Purpose/Activities                                | Number of students/teachers participated under MoUs |
|---|--------------------|---|---|
| M/s. PPTS India Pvt Ltd                         | 22/11/2019         | In plant training, Internships and Industry Visit | 60  |
| Coimbatore builders and contractors association | 03/01/2020         | Training And Development Of Students              | 54  |
| No file uploaded.                               |                    |   |   |

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
|--|--|
| 10   | 8  |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities                                | Existing or Newly Added |
|---|-------------------------|
| <b>No Data Entered/Not Applicable !!!</b> |                         |
| <a href="#">View File</a>                 |                         |

### 4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

| Name of the ILMS software | Nature of automation (fully or partially) | Version | Year of automation |
|---------------------------|---|---------|--------------------|
| LIPS i NET                | Fully                                     | 5.0     | 2008               |

#### 4.2.2 – Library Services

| Library Service Type  | Existing |         | Newly Added |        | Total |         |
|-----------------------|----------|---------|-------------|--------|-------|---------|
| Text Books            | 17451    | 6107850 | 424         | 169600 | 17875 | 6277450 |
| Reference Books       | 2742     | 996910  | Nil         | Nil    | 2742  | 996910  |
| e-Books               | 3500     | 10000   | Nil         | Nil    | 3500  | 10000   |
| Journals              | 79       | 175050  | Nil         | Nil    | 79    | 175050  |
| e-Journals            | 1        | 13570   | Nil         | Nil    | 1     | 13570   |
| Digital Database      | 3        | 10000   | Nil         | Nil    | 3     | 10000   |
| CD & Video            | 1331     | 1000    | Nil         | Nil    | 1331  | 1000    |
| Library Automation    | 1        | 60000   | Nil         | Nil    | 1     | 60000   |
| Weeding (hard & soft) | 252      | 71892   | Nil         | Nil    | 252   | 71892   |
| Others(s pecify)      | 974      | 100     | Nil         | Nil    | 974   | 100     |
| No file uploaded.     |          |         |             |        |       |         |

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

| Name of the Teacher                | Name of the Module | Platform on which module is developed | Date of launching e-content |
|------------------------------------|--------------------|---------------------------------------|-----------------------------|
| No Data Entered/Not Applicable !!! |                    |                                       |                             |
| <a href="#">View File</a>          |                    |                                       |                             |

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

| Type     | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departments | Available Bandwidth (MBPS/GBPS) | Others |
|----------|-----------------|--------------|----------|------------------|------------------|--------|-------------|---------------------------------|--------|
| Existing | 859             | 14           | 859      | 3                | 2                | 1      | 105         | 50                              | 1      |
| Added    | 30              | 1            | 30       | 0                | 1                | 1      | 1           | 10                              | 0      |
| Total    | 889             | 15           | 889      | 3                | 3                | 2      | 106         | 60                              | 1      |

##### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

## 4.3.3 – Facility for e-content

| Name of the e-content development facility | Provide the link of the videos and media centre and recording facility      |
|--|---|
| AIT Board Room                             | <a href="http://www.adithyatech.edu.in/">http://www.adithyatech.edu.in/</a> |
| Auditorium                                 | <a href="http://www.adithyatech.edu.in/">http://www.adithyatech.edu.in/</a> |
| Seminar Hall                               | <a href="http://www.adithyatech.edu.in/">http://www.adithyatech.edu.in/</a> |

## 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

| Assigned Budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | Expenditure incurred on maintenance of physical facilities |
|--|--|--|--|
| 750                                    | 741  | 120                                    | 114.6  |

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

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. 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. 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. 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 students 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 Head of the departments with proper justification for the same. The request is further forwarded to the Chairmans approval with recommendations from the Principal and concerned maintenance care would be carried out. Periodical maintenance, repair and upkeep of UPS, AC, reprography machine, printers, generator, water purifier and digital duplicator are 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 year. The repair and servicing of the laboratory equipment's 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. Painting and needed repairs are carried out then and there.

[www.adithyatech.edu.in](http://www.adithyatech.edu.in)

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

## 5.1 – Student Support

### 5.1.1 – Scholarships and Financial Support

|                                      | Name/Title of the scheme | Number of students | Amount in Rupees |
|--------------------------------------|--------------------------|--------------------|------------------|
| Financial Support from institution   | Nil                      | Nil                | Nil              |
| Financial Support from Other Sources |                          |                    |                  |
| a) National                          | Nil                      | Nil                | Nil              |
| b) International                     | Nil                      | Nil                | Nil              |
| <a href="#">View File</a>            |                          |                    |                  |

### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

| Name of the capability enhancement scheme | Date of implementation | Number of students enrolled | Agencies involved |
|---|------------------------|-----------------------------|-------------------|
| <b>No Data Entered/Not Applicable !!!</b> |                        |                             |                   |
| <a href="#">View File</a>                 |                        |                             |                   |

### 5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

| Year              | Name of the scheme | Number of benefited students for competitive examination | Number of benefited students by career counseling activities | Number of students who have passed in the comp. exam | Number of students placed |
|-------------------|--------------------|--|--|--|---------------------------|
| 2019              | Career Counselling | 186  | 186  | Nil  | Nil                       |
| 2019              | Career Counselling | 95   | 17   | Nil  | Nil                       |
| 2020              | Career Guidance    | 55   | 555  | Nil  | Nil                       |
| No file uploaded. |                    |  |  |  |                           |

### 5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

| Total grievances received                 | Number of grievances redressed | Avg. number of days for grievance redressal |
|---|--------------------------------|---|
| <b>No Data Entered/Not Applicable !!!</b> |                                |   |

## 5.2 – Student Progression

### 5.2.1 – Details of campus placement during the year

| On campus                                 |                                 |                           | Off campus                    |                                 |                           |
|---|---------------------------------|---------------------------|-------------------------------|---------------------------------|---------------------------|
| Name of organizations visited             | Number of students participated | Number of students placed | Name of organizations visited | Number of students participated | Number of students placed |
| <b>No Data Entered/Not Applicable !!!</b> |                                 |                           |                               |                                 |                           |
| <a href="#">View File</a>                 |                                 |                           |                               |                                 |                           |

### 5.2.2 – Student progression to higher education in percentage during the year

| Year              | Number of students enrolling into higher education | Programme graduated from         | Department graduated from        | Name of institution joined                          | Name of programme admitted to |
|-------------------|--|----------------------------------|----------------------------------|---|-------------------------------|
| 2019              | 1  | Mechanical Engineering           | Mechanical Engineering           | Adithya Institute of Technology                     | M.E                           |
| 2019              | 2  | Computer Science and Engineering | Computer Science and Engineering | Kumaraguru College of Technology                    | MBA                           |
| 2019              | 1  | Computer Science and Engineering | Computer Science and Engineering | Sri Shakthi Institute of Engineering and Technology | M.E.                          |
| No file uploaded. |  |                                  |                                  |   |                               |

### 5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

| Items             | Number of students selected/ qualifying |
|-------------------|---|
| GMAT              | 1                                       |
| Any Other         | 1                                       |
| No file uploaded. |   |

### 5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

| Activity                           | Level | Number of Participants |
|------------------------------------|-------|------------------------|
| No Data Entered/Not Applicable !!! |       |                        |
| <a href="#">View File</a>          |       |                        |

## 5.3 – Student Participation and Activities

### 5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

| Year              | Name of the award/medal | National/ International | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|-------------------|-------------------------|-------------------------|-----------------------------|-------------------------------|-------------------|---------------------|
| 2020              | Gold Medal              | National                | 1                           | Nil                           | 710117105015      | PARAMESH S          |
| No file uploaded. |                         |                         |                             |                               |                   |                     |

### 5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

? Department wise technical associations are functioning with students representatives, so that technical and organizational skills are improved. ? Extracurricular activities like sports, NSS, Rotaract club, YRC, RRC, Photographic Club, Fine arts club and Eco Club are functioning with student participation, there by their confidence level of solving problems is improved. ? Entrepreneurship development cell is conducting programmes to improve their entrepreneurship skills. ? Students are encouraged by the management to establish the start ups. ? Students are encouraged for presenting papers to

improve their presentation skills. ? Industry Interface Program - "Future Readiness" conducted for our students on 15th Sep 2020 with Special Guest Speaker "Mr. Tamilselvan Mahalingam", Founder CEO - FutureCaptians. ? Special Webinar on "Data Driven Decision Making Using AI", conducted on 6th May 2020 by Mr. J. Bastin Robin, Chief Data Scientist, CleverInsight. ? Industry Interface Program - "Hands on Training in Mobile Application Development" conducted for our students on 28th Feb 2020, with Resource Person "Mr. Sachin Franics B", Associate - CTS, Chennai. ? Job Opportunities in Virtual Augmented Reality Space conducted on 8th Feb 2020, by Dr. Samjith Dhanarajan, CEO - DJ Education Training, Maya Academy of Advanced Cinematics. ? "One Day Hands-On Session on Computer Hardware Services", on 28th Jan 2020 by, Mr. K. Kumar - City Computer Services, Coimbatore. ? Guest Lecture series on Data Science and Artificial Intelligence on 10th Jan 2020, by the Speakers, Shivashankari - Founder - ToolAhead Anish Ephrem - Technical Architect - ToolAhead. ? Industry Interface Program - "Guest Lecture on Mapping of Curriculum with Industry Needs" conducted for our students on 4th Jan 2020 by "Mr. J. Bastin Robin", Chief Data Scientist, CleverInsight.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The name of the Association shall be AIT Alumni Association Aims and objectives: The aims and objectives of the Association shall be: • Bring the old students of Adithya Institute of Technology, Coimbatore under one forum for exchange of experience, dissemination of knowledge and talents amongst its members and also for the furtherance of fellowship, advancement of scientific knowledge in general of the members of the Association and country. • To conduct seminars, conferences, workshops, endowment lectures and other academic activities and also to keep in touch with one another of the University faculty, non-teaching staff and students. • To create and establish Alumni endowments for granting scholarships, prizes and medals to the students showing high proficiency in their studies and honor former students of the college. • To advise and interact with State and Central Government Bodies, Universities and Associations of other academic institutions on matters relating to promotion of higher education, training and management systems and there by promote the welfare and status of the University. • To collect funds by subscriptions, contributions, donations and gifts from members, nonmembers, Governments, Universities and other institutions and philanthropists for furtherance of the above objectives. • To render financial assistance to deserving meritorious poor students studying at the Institute. • To render financial assistance to deserving alumni in cases of extreme compassionate circumstances. • To bring out magazines, souvenirs and newsletters highlighting the activities of the college and its Alumni. • To organize cultural and educational programmes and also to conduct Alumni Day celebrations every year. • To help the Alumni to get advice from the College on various technical problems and job opportunities that they may come across in their work and real life. • To carry out such other activities as may be necessary for furthering the above aims and objectives.

5.4.2 – No. of enrolled Alumni:

332

5.4.3 – Alumni contribution during the year (in Rupees) :

132800

5.4.4 – Meetings/activities organized by Alumni Association :



YES

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

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 students 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 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.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

### 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

| Strategy Type  | Details   |
|--|---|
| Library, ICT and Physical Infrastructure / Instrumentation | 1. Adithya Institute of technology's primary goal is to establish the Teaching Learning environment by providing well equipped infrastructure facilities. 2. 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 equipment's beyond the syllabus which enables Industry Integrated Institute. 3. The ICT enabled class room facilitates the faculty members and students to experience an effective and interactive teaching learning atmosphere. 4. OPAC enabled library with good volume of books, publications, e-books / e journals and access to digital contents like NPTEL videos, lectures. 6. Well organized digital library for facilitating students and faculty members to access digital resources. 7. 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.

Research and Development

1. 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. 2. 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.

Examination and Evaluation

1. 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. 2. 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.

Library, ICT and Physical Infrastructure / Instrumentation

1. 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. 2.

|                                      |   |
|--------------------------------------|---|
|                                      | <p>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. 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 WiFi for easy access of resources. 4. The Institute also organizes FDPs for improving the teaching learning process.</p>   |
| Industry Interaction / Collaboration | <p>We frequently interact with the representatives of the associated industries and technical experts. This promotes signing of many memorandum of understanding (MoU) with industries.</p>   |
| Human Resource Management            | <p>1. Dynamic Leadership team comprising of Chairman, CEO, Principal and HoDSs with rich experience in their respective fields. 2. A well-defined organization structure with responsibilities makes the functions smoother and faster.</p>   |
| Admission of Students                | <p>1.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. 2.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. 3.Affidavits, as per the direction from the Government and Antiragging Act, undertaking are collected from each and every students and their parents at the time of admission. 4. The admission team carries out the admission process in a systematic manner.</p> |
| Curriculum Development               | <p>1. Effective delivery of curriculum is achieved by adopting various methods such as black boards, Power point Presentations and videos (NPTEL). 2. Regularly updated SDT curriculum with industry and alumni inputs to improve employability of students. 3.Industrial visit has been arranged according to their curriculum and evaluate their knowledge grasped.</p>   |

| E-governance area             | Details  |
|-------------------------------|--|
| Planning and Development      | The teaching learning process at Adithya Institute of technology is independent on the Adithya LMS which can be accessed by all stake holders 24X7.  |
| Administration                | The website displays notices before admission, and reports of recent events written by staff and students.   |
| Finance and Accounts          | The finance and purchase committee constitute to collect the budget from the department, office administration, Library, Training and placement cell, sports and other general maintenance. Every grant to the college is discussed in this committee Budgets for each department at the beginning of the academic year also form part of the discussions. The Librarian prepares and plans for the book budget with individual departments. The e-governance of office administration purpose TDS and TALLY ERP used. |
| Student Admission and Support | College website and Social Media   |
| Examination                   | As per the Anna University guidelines to enter the students attendance and internal mark through Anna University Web portal  |

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

| Year                                      | Name of Teacher | Name of conference/ workshop attended for which financial support provided | Name of the professional body for which membership fee is provided | Amount of support |
|---|-----------------|--|--|-------------------|
| <b>No Data Entered/Not Applicable !!!</b> |                 |  |  |                   |
| <a href="#">View File</a>                 |                 |  |  |                   |

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

| Year                                      | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|---|--|---|-----------|---------|---|---|
| <b>No Data Entered/Not Applicable !!!</b> |  |   |           |         |   |   |
| <a href="#">View File</a>                 |  |   |           |         |   |   |

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

| Title of the | Number of teachers | From Date | To date | Duration |
|--------------|--------------------|-----------|---------|----------|
|--------------|--------------------|-----------|---------|----------|

|   |              |  |  |  |
|---|--------------|--|--|--|
| professional development programme        | who attended |  |  |  |
| <b>No Data Entered/Not Applicable !!!</b> |              |  |  |  |
| <a href="#">View File</a>                 |              |  |  |  |

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

| Teaching  |           | Non-teaching |           |
|-----------|-----------|--------------|-----------|
| Permanent | Full Time | Permanent    | Full Time |
| 135       | 135       | 24           | 24        |

6.3.5 – Welfare schemes for

| Teaching                             | Non-teaching                         | Students  |
|--------------------------------------|--------------------------------------|---|
| Faculty Club, Women Empowerment Cell | Faculty Club, Women Empowerment Cell | Department Association, Club Activities, Industrial Visit. NSS, YRC IIPC CELL, Entrepreneurship, Development Cell, Incubation Centres |

#### 6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

|   |
|---|
| YES Both internal and external audits are conducted regularly |
|---|

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

| Name of the non government funding agencies /individuals | Funds/ Grnats received in Rs. | Purpose     |
|--|-------------------------------|-------------|
| Trident Pneumatics Pvt Ltd, Coimbatore                   | 120000                        | Consultancy |
| No file uploaded.  |                               |             |

6.4.3 – Total corpus fund generated

|         |
|---------|
| 1000000 |
|---------|

#### 6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

| Audit Type     | External |                       | Internal |           |
|----------------|----------|-----------------------|----------|-----------|
|                | Yes/No   | Agency                | Yes/No   | Authority |
| Academic       | No       | Nill                  | Yes      | AIT       |
| Administrative | Yes      | Local Fund Audit. AET | Yes      | AIT       |

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

|   |
|---|
| <p>1. Parents are cordially invited for Orientation Programme of their wards on their first Day of College every year. 2. We conduct regular meetings and telephonic contact with the parents on monthly basis after attendance. Feedback from parents is given due consideration. 3. We sent the students academic performance details to the concern parents through letter and SMS</p> |
|---|

6.5.3 – Development programmes for support staff (at least three)

The development programme for support staff are conducted regularly and the events are given below 1. Hands on Training of Equipment maintenance 2. Hands on Training of MS word usage 3. Awareness of E-Governance

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Research Cell established to foster academic research among staff and students 2. Introduction of skill/capability enhancement certificate courses 3. Enhanced use of ICT by faculty in the teaching learning process 4. Initiatives for a green campus solar electricity barrier free campus ramps, toilet for persons with disability

6.5.5 – Internal Quality Assurance System Details

|  |     |
|--|-----|
| a) Submission of Data for AISHE portal | Yes |
| b) Participation in NIRF               | No  |
| c) ISO certification                   | No  |
| d) NBA or any other quality audit      | Yes |

6.5.6 – Number of Quality Initiatives undertaken during the year

| Year              | Name of quality initiative by IQAC              | Date of conducting IQAC | Duration From | Duration To | Number of participants |
|-------------------|---|-------------------------|---------------|-------------|------------------------|
| 2019              | Program on Effective preparation of AQAR report | 10/10/2019              | 15/10/2019    | 15/10/2019  | 50                     |
| 2019              | Academic Audit                                  | 16/10/2019              | 22/10/2019    | 22/10/2019  | 10                     |
| 2020              | Academic Audit                                  | 03/06/2020              | 09/06/2020    | 09/06/2020  | 10                     |
| No file uploaded. |   |                         |               |             |                        |

**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 – Institutional Values and Social Responsibilities**

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

| Title of the programme                       | Period from | Period To  | Number of Participants |      |
|--|-------------|------------|------------------------|------|
|  |             |            | Female                 | Male |
| Women's Day Celebration- #Balance for Better | 09/03/2020  | 09/09/2020 | 350                    | 40   |

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

1. 11KW energy in terms of on grid solar and 0.5 KW and 10KW off grid solar system available on the top roof of West Block. It mainly focus on the solar photo voltaic system. The solar power system generates around 50 units of power per day. The total power so far generated is 52,000 units of power which was used for the campus. 2. A Rain Water Harvesting Plant is available for the

rainwater conservation 3. A tree sapling activity was carried out periodically for enrichment of the green environment inside the campus. 4. An ECO Club is functioning effectively in order to keep clean and green environment the campus.

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities  | Yes/No | Number of beneficiaries |
|--|--------|-------------------------|
| Physical facilities                                      | Yes    | Nil                     |
| Provision for lift                                       | Yes    | Nil                     |
| Ramp/Rails   | Yes    | Nil                     |
| Rest Rooms   | Yes    | Nil                     |
| Scribes for examination                                  | Yes    | Nil                     |
| Special skill development for differently abled students | Yes    | Nil                     |

7.1.4 – Inclusion and Situatedness

| Year                                      | Number of initiatives to address locational advantages and disadvantages | Number of initiatives taken to engage with and contribute to local community | Date | Duration | Name of initiative | Issues addressed | Number of participating students and staff |
|---|--|--|------|----------|--------------------|------------------|--|
| <b>No Data Entered/Not Applicable !!!</b> |  |  |      |          |                    |                  |  |
| <a href="#">View File</a>                 |  |  |      |          |                    |                  |  |

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

| Title                                | Date of publication | Follow up(max 100 words)   |
|--------------------------------------|---------------------|--|
| Human Values and Professional Ethics | 14/08/2020          | A CD is provided to each student at the time of admission containing: i.E-Brochure ii. Learning Resources iii. Rules and Regulations iv. Code of Ethics for Engineers v.Syllabus with Course Details |

7.1.6 – Activities conducted for promotion of universal Values and Ethics

| Activity                                  | Duration From | Duration To | Number of participants |
|---|---------------|-------------|------------------------|
| <b>No Data Entered/Not Applicable !!!</b> |               |             |                        |
| <a href="#">View File</a>                 |               |             |                        |

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Innovative Energy Saving Methods: i. Incandescent lamps have been replaced with CFL and LED lamps thus saving hundreds of kilo watts of electrical energy. Even LCD monitors of computer systems have been replaced with LED and TFT Monitors. ii. Air Conditioners with ratings of 3star and above are used which saves a lot of electricity. iii. Simple low cost white washing of roof tops

reduces the inside temperature by around 6 degree C. 2. Use of Renewable Energy: i. The CCTV cameras and street lights installed to cover external areas in campus uses solar energy ii. 11KW energy in terms of on grid solar and 0.5 KW and 10KW off grid solar system available on the top roof of West Block. It mainly focus on the solar photo voltaic system. 3. Carbon neutrality and Plantation: i. AITNSS Units organizes regular plantation drives and save the trees drives periodically. Grown up trees which are likely to eaten away by termites are saved by antitermite treatment and painting the lower portion of the trunk with calcium carbonate. ii. About half acre of land has been earmarked for grassy patches including a nursery. iii. In collaboration with the department of forest, Tamil Nadu, Students were involved in plantation of tree saplings and creating an urban forest for maintaining the campus Ecofriendlyness. 4. Waste Management: i. Hazardous materials like chemicals, paints, inflammable gases are segregated and kept separately. These are disposed off under supervision of estate manager through vendors who were specialize in the disposal. ii. E-Wastes are segregated and disposed off in proper manner with safety aspects without creating any harm to Ecosystem 5. Water Conservation: i. A Rain Water Harvesting Plant is available for the rain water conservation

## 7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

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. 4. Curriculum Planning: Adithya LMS is used for designing course plan and lecture schedule 5. Reports Generation: Adithya LMS provides nice reporting tool with options to customize students reports 6. Communication and Collaboration: Adithya LMS provides Students Corner as communication tool and blog as collaborative tool 7. College announcement: All news and circulars are visible in Home Page of Adithya LMS 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.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://lms.adithyatech.edu.in/>

## 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The unique and distinctive quality of our institute is to create Engineers with required skills and values for their career and life. Skill development is powerful tool to empower the students and improve their social acceptance .It is the process of identifying the skills gaps, and developing, honing their skills. It is important because the skills students have determine the ability to execute our plans with success. The improvement of both hard skills soft



skills develop the quality of student's performance rate in career performance ratio. Hard skills relating to any specific task and usually easily quantifiable. Soft skills relating to personality and tend to be transferable such as communication, leadership, time management stress management, decision making, adaptability, ability to deal with adversity too. Skill development always leads to competitive advantage .To be the best, students need to have something that nobody else has. All students in our institution have to undergo minimum of 2 skill development training program in each semester. We equip our students to know both technical skills development too. We are happy to hear the testimony of our recruiters, who are happy to see our students performance. Employers needs to make sure that their employee are skilled and well equipped to deal with these rapid changes. To transform students through a systematic teachinglearning process, providing skill development training, practical exposure and imparting values of life during their period of study. unique and distinctive quality of our institute is to create Engineers with required skills and values for their career and life. Skill development is powerful tool to empower the students and improve their social acceptance .It is the process of identifying the skills gaps, and developing, honing their skills. It is important because the skills students have determine the ability to execute our plans with success. The improvement of both hard skills soft skills develop the quality of student's performance rate in career performance ratio. Hard skills relating to any specific task and usually easily quantifiable. Soft skills relating to personality and tend to be transferable such as communication, leadership, time management stress management, decision making, adaptability, ability to deal with adversity too. Skill development always leads to competitive advantage .To be the best, students need to have something that nobody else has. All students in our institution have to undergo minimum of 2 skill development training program in each semester. We equip our students to know both technical skills development too. We are happy to hear the testimony of our recruiters, who are happy to see our students performance .Employers needs to make sure that their employee are skilled and well equipped to deal with these rapid changes.

Provide the weblink of the institution

<http://lms.adithyatech.edu.in/>

### **8.Future Plans of Actions for Next Academic Year**

1. Enhancing academic and centre of excellences 2. Development of students skills by inculcating in core values among them further by imparting value based education. 3. Enhancing social compatibility of the students by giving better opportunity of social interaction through activities of NSS, Eco club and Rotract Club. 4. Enhancement of infrastructural facilities 5. To apply for permanent affiliation of UG courses Mechanical Engineering, Electronics and Communication Engineering and Information Technology 6. To undergo NAAC reassessment process for obtaining A Grade. 7. To attain NBA accreditation for three UG programmes such as B.E. Mechanical Engineering, Electronics and Communication Engineering and Computer Science and Engineering. 7. Enhancing the SDT (Skill Development Training) with respect to the current scenario. 8. More number of alumni working in various organization and alumni entrepreneur are to be invited for motivational speech to the students. 9. To encourage the faculty and students for applying IPR 10.To undertake more socialeconomic and enviromental activities through NSS and clubs