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| **NAME OF THE LABORATORY: STRENGTH OF MATERIALS LABORATORY** | | | | | | |
| **S.No** | **Name of the Equipment** | **Quantity Required as per AU R2013** | | **Quantity Available** | | **Remarks** |
| 1 | Analog universal testing machine | 01 | | 01 | |  |
| 2 | Izod/charpy impact testing machine | 01 | | 01 | |  |
| 3 | Torsion testing machine | 01 | | 01 | |  |
| 4 | Rockwell hardness testing machine | 01 | | 01 | |  |
| 5 | Brinell hardness testing machine | 01 | | 01 | |  |
| 6 | Tensile testing machine | 01 | | 01 | |  |
| 7 | Deflection test | 01 | | 01 | |  |
| 8 | Inverted metallurgical microscope | 01 | | 01 | |  |
| 9 | Metallurgical microscope | 01 | | 01 | |  |
| 10 | Extensometer | 02 | | 02 | |  |
| 11 | Compressometer | 02 | | 02 | |  |
| 12 | Le chateliermould | 02 | | 02 | |  |
| 13 | Vicat’s apparatus with dashpot | 03 | | 03 | |  |
| 14 | Mortar cube moulds | 02 | | 02 | |  |
| 15 | Le chatlier water bath | 02 | | 02 | |  |
| **ADDITIONAL EQUIPMENTS FOR THE SUBJECT** | | | | | | |
| 01 | Muffle furnace | Nil | 01 | |  | |
| 02 | Inverted Binocular microscope | Nil | 02 | |  | |
| 03 | Metal Cutter | Nil | 01 | |  | |
| 04 | Fatigue testing machine | Nil | 01 | |  | |

Lab In charge Lab coordinator HoD Principal