To

 All the Principal (s),

 Govt./Aided/Private Polytechnics

 Memo No.3359 /Aff./HSBTE Dated:-01.04.2013

**Subject: Extension of Affiliation by HSBTE for the year 2013-14.**

Sir/Madam,

 It is for your kind information that, extension of affiliation or otherwise to existing diploma level institutions for the year 2013-14 has to be considered by the HSBTE. Accordingly, I am directed to inform you that the duly filled in Affiliation Performa along with the proof of depositing affiliation fee and copy of AICTE letter for Extension of Approval for the year 2013-14 to be submitted at the HSBTE office latest by 12/04/2013. The affiliation performa is available on the web site ([www.hsbte.org.in](http://www.hsbte.org.in)) HSBTE, Panchkula.

 It is further requested that the affiliation fee may be deposited through online bank transfer in the HSBTE account, Panchkula the detail are as under:-

1. Name of Office -State Board of Technical Education, Haryana.
2. Name of Bank- Punjab National Bank, Sector-4, Panchkula.
3. Account No:- 3949000102734253.
4. IFSC Code:- PUNB 0394900.
5. MICR Code- 160024011.
6. PAN no. of HSBTE -AAAGT0008A.

 -sd-

 **Assistant Secretary**

 **HSBTE, Panchkula**

**Endst. No.3360-61 /Aff./HSBTE Date: 01.04.2013**

A copy of the above is forwarded to :

1. Sr. Secy. to PSTE-cum-chairman, HSBTE for kind information of PSTE Please.
2. PS to DGTE-cum-Secretary, HSBTE for kind information of DGTE Please.

 -sd-

 **Assistant Secretary**

 **HSBTE, Panchkula**

For any further query, please e-mail at : **as.hsbte\_hry@nic.in** **as affiliation.hsbte@gmail.com**

**Performa for Affiliation to Haryana State Board of Technical Education**

**Bays 7-12, Sector-4, Panchkula-134112**

(To be filled by polytechnic)

 **INSTITUTE CODE:**

**(Note: Please provide the actual information and if any information found false/incorrect may lead to disaffiliation of the Institute)**

**Part-1 GENERAL INFORMATION**

|  |  |
| --- | --- |
| **1.1** | **NAME AND ADDRESS OF THE SOCIETY / TRUST / COMPANY ESTABLISHED UNDER SECTION 25 OF COMPANIES ACT 1956** |
| Name of the Trust / Society / Company | : |  |
| Address of the Trust / Society / Company | : |  |
|  |  |  |
|  |  |  |
| Village / Town | : |  |
| District | : |  |
| Pincode | : |  |
| Phone | : | STD Code: |  | Phone No.: |  |
| Fax | : | STD Code: |  | Fax No.: |  |
| Mobile | : |  |
| E-mail | : |  |

|  |  |
| --- | --- |
| **1.2**  | **NAME AND ADDRESS OF THE INSTITUTION AT THE PERMANENT SITE** |
| Name of the Institution | : |  |
| Institution Code | : |  |
| Address of the Institution | : |  |
|  |  |  |
| Village / Town | : |  |
| District | : |  |
| Pincode | : |  |
| Phone | : | STD Code: |  | Phone No.: |  |
| Fax | : | STD Code: |  | Fax No.: |  |
| Mobile | : |  |
| E-mail | : |  |
| Website | : |  |
| **1.3** | **DETAILS OF THE LANDS [PERMANENT SITE AS APPROVED BY AICTE]** |
| Classification of the Permanent Site | : |  | Rural Area |
| *(Please Click on any one of the classification)* |  |  | Other than Rural area |
| Ownership of Land | : |  | Government |  | Trust |  | Society |
|  |  |  | Govt. Leased |  | Owned |  | Company |
| Certificate regarding no encumbrances/contiguous (in single patch) |  |  |
| Change of Land Use Certificate from Competent Authority as applicable |  |  |
| Access to the site (National Highway/ State Highway/ Village Road/ Kacha Road and Permission from competent authority to use |  |  |
| Resolution of Society for use of ear marked Land for establishment of Polytechnic |  |  |
| **Details of Land*****(The Survey No. with sub-division and extent of lands for each survey number to be indicated)*** |
| Sl.No. | RegistrationDocument No. | RegistrationDate | Name of the village | Survey No. with sub-division | Extent of Lands(in **acres**) | Land Classification [Indicate **Dry or Wet** Land] |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **TOTAL** |  | **---** |
| Legal disputes | : | On Land |  | YES |  | NO | On Trust |  | YES |  | NO |
|  |  | If YES, Details |

|  |  |
| --- | --- |
| **1.4** | **DETAILS OF THE SOCIETY / TRUST / COMPANY**  |
| Society Registration Act No. or Trust Act No. or Company Act No. | : |  |
| Registration No. | : |  |
| Date of Registration | : |  |
| Place of Registration | : |  |

|  |  |
| --- | --- |
|  **1.5** | **DETAILS OF MEMBERS / TRUSTEES AND THEIR EXPERIENCE IN RUNNING HIGHER EDUCATIONAL, TECHNICAL OR OTHER PROFESSIONAL INSTITUTIONS ETC.** |
| **S.No** | **Name of the Members of the Trust / Society / Company** | **Designation in the Trust / Society / Company** | **Qualification** | **Experience in running higher educational, technical or other professional institutions (in years)** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  **1.6** | **TRACK RECORD OF THE APPLICANT IN TERMS OF TECHNICAL / PROFESSIONAL / NON-PROFESSIONAL INSTITUTIONS RUN / MANAGED BY THE SOCIETY/TRUST** |
| Whether the Trust / Society / Company is running/managing any educational institutions  | : |  | Yes |  | No |
| *If YES, then provide the information as per the table given below.* |
| **S.N** | **Name and Address of the Institution** | **Year of Establish-ment** | **Whether Diploma/ Degree (UG/PG)** | **Discipline conducted** | **Duration of the Course** | **Annual Intake capacity** | Whether approved by AICTE/Univ./UGC/State Govt./Board/**Other Council** |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| **1.7** | **PARTICULARS OF THE HEAD OF THE INSTITUTION [PRINCIPAL]** |
|  | Name | : |  |
|  | Designation | : |  |
|  | Qualification | : |  |
|  | Date of Birth  | : |  |
|  | Date of Joining | : |  |
|  | Mobile | : |  |
|  | Phone | : | STD : Phone No. : |
|  | Fax | : | STD : Fax No. : |
|  | E-mail | : |  |

|  |  |
| --- | --- |
| **1.8** | **Type of the Institute :** |
|  | Faculty/Dept./Constituent College of a University/Deemed to be University  |  | Yes/No |
|  | Central Government.  |  | Yes/No |
|  | State Government |  | Yes/No |
|  | Government Aided |  | Yes/No |
|  | Self Financing  |  | Yes/No |
|  | Any other (specify)  |  | Yes/No |

|  |  |
| --- | --- |
| **1.9** | **Approval Details :** |
|  | Year of Establishment |  |  |
|  | Copy of First AICTE Approval letter |  |  |
|  | Date of First HSBTE Affiliation  |  |  |
|  | Copy of Latest AICTE Approval Letter No/Date  |  |  |
|  | Latest DTE/Government Letter No/Date (Attach Copy of letter)  |  |  |
|  | Latest HSBTE Affiliation Letter No./Date (Attach Copy of letter) |  |  |
|  | Accreditation:- Yes/No (If Yes attach copy of letter) |  |  |

**1.10 Details of Affiliation Fee :** Tobe deposited through online bank transfer in the HSBTE account, Panchkula the detail are as under:-

1. Name of Office -State Board of Technical Education, Haryana.
2. Name of Bank- Punjab National Bank, Sector-4, Panchkula.
3. Account No:- 3949000102734253.
4. IFSC Code:- PUNB 0394900.
5. MICR Code- 160024011.
6. PAN no. of HSBTE -AAAGT0008A.

Is the fee for the previous years fully deposited: Yes/No (If no give reasons)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Details of Affiliation Fee of current year\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

No. of courses:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Affiliation Fee applicable as per HSBTE Norms: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-

**Details of payment**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Date/Payment Deposited in the HSBTE Account (Mention Receipt No/Date)**  | **Bank Name/ City** | **Amount** | **Remarks** |
|  |  |  |  |  |
|  |  |  |  |  |

**Note:- Details of fee to be deposited.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Item** | **Govt. Aided Institutions (for Unaided Courses only)** | **Private** |
| 1. | Yearly Affiliation | Processing Fees | 50,000/- | 50,000/- |
|  | Per Course Affiliation Fees  | 15,000/-@ 60 seats22500/-@90 seats30,000/-@120 seats | 30,000/-@60 seats45,000/-@90 seats60,000/-@120 seats |
| 2. |  | Late Fees | 1000 per day | 1000 per day |

**1.11 AICTE Approved & HSBTE affiliated Existing courses of Study for 2012-13**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Name of****Course** | **Annual Intake****Approved****By AICTE** | **Annual Intake approved by Board** | **Actual Number of students Admitted** |
| Morning | Evening | Morning | Evening | Morning | Evening |
|  |  |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |  |

* 1. **AICTE Approved courses of study for 2013-14.(Attach Copy of AICTE Approval)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Name of****Course** | **Annual Intake****Approved By AICTE** | **Validity of Approval** | **Actual Number of students Admitted upto the date of filling of this Perfoma.** |
| Morning | Evening | Morning | Evening |
|  |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |

**PART II-ORGANIZATION & GOVERNANCE**

**2.1 Constitution of BOG with detailed qualification, experience of all the members**

 (At least two meetings shall be held in a year)

Is BOG constituted as per AICTE/State Government Norms. Yes/No

|  |  |
| --- | --- |
|  **(a)** | **NAME AND ADDRESS OF THE MEMBERS OF THE GOVERNING BODY AS PER THE COMPOSITION PRESCRIBED BY AICTE** |
| **S.No** | **Name** | **Position** | **Qualification** | **Present Professional position / Occupation** | **Telephone Numbers** | **E-mail** | **Address** |
| **01.** |  | Chairman |  |  |  |  |  |
| **02.** |  | Member Secretary |  |  |  |  |  |
| **03.** |  | Members |  |  |  |  |  |
| **04.** |  |  |  |  |  |  |
| **05.** |  |  |  |  |  |  |
| **06.** |  |  |  |  |  |  |
| **07.** |  |  |  |  |  |  |
| **08.** |  |  |  |  |  |  |
| **09.** |  |  |  |  |  |  |
| **10.** |  |  |  |  |  |  |
| **11.** |  |  |  |  |  |  |

Note: Please attach Agenda & Minutes of Previous two meetings.

**2.2 Details of Anti-ragging committee**

|  |  |
| --- | --- |
|  **(b)** | **NAME AND ADDRESS OF THE MEMBERS OF THE ANTI-RAGGING COMMITTEE AS PER THE COMPOSITION PRESCRIBED BY AICTE** |
| **S.No** | **Name** | **Position** | **Qualification** | **Present Professional position / Occupation** | **Telephone Numbers** | **E-mail** | **Address** |
| 01. |  |  |  |  |  |  |  |
| 02. |  |  |  |  |  |  |  |
| 03. |  |  |  |  |  |  |  |
| 04. |  |  |  |  |  |  |  |
| 05. |  |  |  |  |  |  |  |
| 06. |  |  |  |  |  |  |  |
| 07. |  |  |  |  |  |  |  |
| 08. |  |  |  |  |  |  |  |
| 09. |  |  |  |  |  |  |  |
| 10. |  |  |  |  |  |  |  |

**PART-3: INFRASTRUCTURE FACILITIES**

|  |  |
| --- | --- |
|  **(a)**  | **PHYSICAL INFRASTRUCTURE - COMPLETE DETAILS OF BUILT-UP AREA** |
| **S.****No** | **Built-up (Carpet) Area** | **FIRST YEAR , SECOND YEAR & THIRD YEAR** |
| **Type of Structure [RCC/ACC]** | **Required Area****[sq.m]** | **Available Area****[sq.m]** |
| (a) | Instructional area [INA]  |  |  |  |
| (b) | Administrative area [ADA] |  |  |  |
| (c) | Amenities area [AMA] |  |  |  |
| (d) | Circulation area [CIA] |  |  |  |
|  | *[CIA = 0.25 x (INA+ADA+AMA)]* | **TOTAL AREA :** |  |  |
|  **(b)** | **PHYSICAL INFRASTRUCTURE - FOR FIRST YEAR, SECOND YEAR & THIRD YEAR** |
| **S.****No** | **Category** | **Number Required**  | **Number Available** | **Shortage** | **Built-up Area Required** | **Built-up Area Available** | **Shortage** | **AICTE NORMS****[AREA/ROOM]** |
| **I.** | **INSTRUCTIONAL AREA [FIRST, SECOND YEAR & THIRD YEAR]** | **Diploma [Engg.]** |
| 1. | Class rooms [C] |  |  |  |  |  |  | **C = No. of divisions** (1 division=60)[**66** sq.m**/**room] |
| 2. | Tutorial rooms [D] |  |  |  |  |  |  | **D = C / 4**[**33** sq.m/room] |
| 3. | Laboratory |  |  |  |  |  |  | **12** Nos[**66** sq.m**/**room] |
| 4. | Workshop |  |  |  |  |  |  | **03** Nos.[**200** sq.m] |
| 5. | Computer Centre |  |  |  |  |  |  | **01** No.[**100** sq.m] |
| 6. | Drawing Hall |  |  |  |  |  |  | **01** No.[**132** sq.m] |
| 7. | Library  |  |  |  |  |  |  | **01** No.[**300** sq.m] |
| 8. | Reading Room in Library |  |  |  |  |  |  | 01 No.15%X Intake **[Max. 150]** |
| 9. | Seminar Hall |  |  |  |  |  |  | **01** No.[**132** sq.m] |
| **II.** | **ADMINISTRATIVE AREA [FIRST YEAR , SECOND YEAR & THIRD YEAR]** |
| 10. | Principal Office |  |  |  |  |  |  | **01** No.[**30** sq.m] |
| 11. | Board room |  |  |  |  |  |  | **01** No.[**20** sq.m] |
| 12. | College Office |  |  |  |  |  |  | **01** No.[**150** sq.m] |
| 13. | Dept. Office |  |  |  |  |  |  | **E** =No. of Courses.[**E x 20** sq.m] |
| 14. | HOD Cabin |  |  |  |  |  |  | **F** =No. of Courses.[**F x 10** sq.m] |
| 15. | Faculty room |  |  |  |  |  |  | [G x **5** sq.m] |
| 16. | Central Stores |  |  |  |  |  |  | **01** No.[**30** sq.m] |
| 17. | Maintenance |  |  |  |  |  |  | **01** No.[**10** sq.m] |
| 18. | Security |  |  |  |  |  |  | **01** No.[**10** sq.m] |
| 19. | House keeping |  |  |  |  |  |  | **01** No.[**10** sq.m] |
| 20 | Pantry for Staff |  |  |  |  |  |  | **01** No.[**10** sq.m] |
| 21. | Exam. Office |  |  |  |  |  |  | **01** No.[**30** sq.m] |
| 22. | Placement Office |  |  |  |  |  |  | **01** No.[**30** sq.m] |
| **III.** | **AMENITIES AREA [FIRST YEAR , SECOND YEAR & THIRD YEAR]** |
| 23. | Toilets[Ladies & Gents] |  |  |  |  |  |  | **Adequate**[**150** sq.m] |
| 24. | Boys Common Room |  |  |  |  |  |  | **01** No.[**75** sq.m] |
| 25. | Girls Common Room |  |  |  |  |  |  | **01** No.[**75** sq.m] |
| 26. | Cafeteria |  |  |  |  |  |  | **01** No.[**150** sq.m] |
| 27. | Stationary Store & Reprography |  |  |  |  |  |  | **01** No.[**10** sq.m] |
| 28. | First Aid cum Sick Room |  |  |  |  |  |  | **01** No.[**10** sq.m] |
| 29. | Principal’s Quarters |  |  |  |  |  |  | **01** No.[**150** sq.m] |
| 30. | Guest House |  |  |  |  |  |  | **01** No.[**30** sq.m] |
| 31. | Sports Club / Gymnasium |  |  |  |  |  |  | **01** No.[**100** sq.m] |
| 32. | Auditorium / Amphi Theater |  |  |  |  |  |  | **01** No.[**250** sq.m] |
| 33. | Boys Hostel |  |  |  |  |  |  | **Adequate** |
| 34. | Girls Hostel |  |  |  |  |  |  | **Adequate** |
|  | **TOTAL** |  |  |  |  |  |  | **---** |

|  |  |
| --- | --- |
| **(c)** | **COMPUTER CENTRE - COMPUTERS, SOFTWARE, INTERNET AND PRINTERS [I , II & III Year]** |
| **S.****No** | **Computer Facilities** | **Sanctioned intake** | **Number of Terminals** | **AICTE NORMS** |
| **Required** | **Available** | **Shortfall** |
| 1. | Computers [S] -**First / Second Year / Third Year Students** /only |  |  |  |  | [**Ratio- 1:6** ***Min. 20 PCs***] |
| 2. | Multimedia Computers –Library / Internet Surfing in Reading room |  |  |  |  | **1%** of Total Students Intake[**Max. 10**] |
| 3. | Computers -For Faculty Members | **---** |  |  |  | *Exclusive - along with LAN and Internet over and above the requirement meant for students*  |
| 4. | Computers -For Administrative Office | **---** |  |  |  |
| 5. | Printers [P] | **---** |  |  |  |  |
| 6. | Internet Facility | **---** |  |  |  |  |
| 7. | LAN Facility | YES / NO : |  | All |
| 8. | Legal System Software | **---** |  |  |  | **03** |
|  | List of System Softwares | (01).  |  |
|  |  | (02).  |
|  |  | (03).  |
| 9. | Legal Application Software | **---** |  |  |  | **20** |
|  | List of Application Software |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| 10. | UPS | Number of UPS : |  |  |
|  |  | Capacity : |  |
| 11. | Computer Table / Chair | No. of Computer Tables : |  |  |
|  |  | No. of Computer Chairs : |  |
| 12. | Air Conditioners | YES / NO : |  |  |
| 13. | Central Xerox Facility | YES / NO : |  | **PREFERRED** |
| 14. | Mail Server & Client | YES / NO : |  | **DESIRED** |
| 15. | Computer Specifications |  |  |
|  | [General, in brief] |
|  |  |
|  |  |

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| --- | --- |
| **(d)** | **BOOKS, JOURNALS AND LIBRARY FACILITIES** |
| **S.****No** | **Description** | **No. of Divisions**(**1 division=60**) | **Required** | **Available** | **Shortfall** | **AICTE NORMS** |
| 1. | Number of Titles | B1 : |  |  |  |  | **B1** : First Year : 50.**B2** : Second Year : 25 per Course**B3** : Third Year : 25 per Course |
| B2 :  |  |
| B3:  |  |
| 2. | Number of Volumes | B1 : |  |  |  |  | **B1** : First Year : 250 x No. of Divisions**B2** : Second Year : 125 x No. of Divisions**B3** : Third Year : 125X No of division  |
| B2 :  |  |
| B3 :  |  |
| 3. | No. of National Journals  | B = |  |  |  |  |
| 4. | Digital Library facility | YES / NO : | Essential |
| 5. | Reprographic Facility | YES / NO : | Essential |
| 6. | Document scanning facility | YES / NO : | Essential |
| 7. | Document printing facility | YES / NO : | Essential |
| 8. | Internet | YES / NO : | Essential |
| 9. | Multimedia Facilities | YES / NO : | Essential |
| **(e)** | **ESSENTIAL AND DESIRED REQUIREMENTS** |
| **S. No** | **Description** | **Availability****[YES / NO]** | **Details to be provided.****[Number,** **if so required]** | **REQUIREMENT** |
| 1. | Language Laboratory |  |  | **ESSENTIAL** |
| 2. | Water supply |  |  | **ESSENTIAL** |
| 3. | Electric supply |  |  | **ESSENTIAL** |
| 4. | Generator facility |  |  | **ESSENTIAL** |
| 5. | Sewage Disposal |  |  | **ESSENTIAL** |
| 6. | Telephone and Fax |  |  | **ESSENTIAL** |
| 7. | First Aid facility |  |  | **ESSENTIAL** |
| 8. | Vehicle parking |  |  | **ESSENTIAL** |
| 9. | Institution Web-site *[Website address to be provided]* |  |  | **ESSENTIAL** |
| 10. | Barrier Free built Environment for Differently-Abled and elderly persons including availability of specially designed toilets for ladies and gents separately. |  |  | **ESSENTIAL** |
| 11. | Safety provisions including fire and other calamities  |  |  | **ESSENTIAL** |
| 12. | General Insurance provided for assets against fire, burglary and other calamities  |  |  | **ESSENTIAL** |
| 13. | All weather approach road  |  |  | **ESSENTIAL** |
| 14. | General Notice Board and Departmental Notice Boards  |  |  | **ESSENTIAL** |
| 15. | Medical and Counseling Facilities  |  |  | **ESSENTIAL** |
|  |
| 16. | Strong Room [Storing QPs & ASs] |  |  | **ESSENTIAL FOR EXAM PURPOSE** |
| 17. | Security arrangement [Day / Night] |  |  |
| 18. | Sufficient halls for Examination |  |  |
|  |  |  |  |  |
| 19. | Public announcement system at strategic locations for general announcements / paging and announcements in emergency  |  |  | **DESIRED** |
| 20. | Enterprise Resource Planning (ERP) Software for Student-Institution-Parent interaction  |  |  | **DESIRED** |
| 21. | Transport  |  |  | **DESIRED** |
| 22. | Post, Banking Facility / ATM  |  |  | **DESIRED** |
| 23. | CCTV Security System  |  |  | **DESIRED** |
| 24. | LCD (or similar) projectors in classrooms  |  |  | **DESIRED** |
| 25. | Group Insurance to be provided for the employees  |  |  | **DESIRED** |
| 26. | Insurance for students  |  |  | **DESIRED** |
| 27. | Staff Quarters  |  |  | **DESIRED** |
|  |
| 28. | Principal’s Quarters |  |  | **DESIRED**[**150** sq.m] |
| 29. | Guest House |  |  | **DESIRED**[**30** sq.m] |
| 30. | Sports Club / Gymnasium |  |  | **DESIRED**[**100** sq.m] |
| 31. | Auditorium / Amphi Theatre |  |  | **DESIRED**[**250** sq.m] |
| 32. | Boys Hostel |  |  | **DESIRED**Adequate |
| 33. | Girls hostel |  |  | **DESIRED**Adequate |

|  |  |
| --- | --- |
| **f** | **ACADEMIC INFRASTRUCTURE [FIRST, SECOND YEAR & THIRD YEAR]** |
| **S.****No** | **Category** | **AREA [sq.m]** | **Details to be provided, whichever necessary** |
| **Required** | **Available** | **Size [ l x b ]** | **Capacity** | **Work Table (Nos)** | **Furniture (Nos)** | **Teaching Aids****[BB / OHP / LCD]** | **No. of Lights** | **No. of Fans** | **Ventilation (Y/N)** | **Power Connection (Y/N)** |
| 1. | Class Room 1 |  |  |  |  |  |  |  |  |  |  |  |
| 2. | Class Room 2 |  |  |  |  |  |  |  |  |  |  |  |
| 3. | Class Room 3 |  |  |  |  |  |  |  |  |  |  |  |
| 4. | Class Room 4 |  |  |  |  |  |  |  |  |  |  |  |
| 5. | Class Room 5 |  |  |  |  |  |  |  |  |  |  |  |
| 6. | Class Room 6 |  |  |  |  |  |  |  |  |  |  |  |
| 7. | Class Room 7 |  |  |  |  |  |  |  |  |  |  |  |
| 8. | Class Room 8 |  |  |  |  |  |  |  |  |  |  |  |
| 9. | Class Room 9 |  |  |  |  |  |  |  |  |  |  |  |
| 10. | Class Room 10 |  |  |  |  |  |  |  |  |  |  |  |
| 11. | Tutorial Room 1 |  |  |  |  |  |  |  |  |  |  |  |
| 12. | Tutorial Room 2 |  |  |  |  |  |  |  |  |  |  |  |
| 13. | Laboratory 1 |  |  |  |  |  |  |  |  |  |  |  |
| 14. | Laboratory 2 |  |  |  |  |  |  |  |  |  |  |  |
| 15. | Laboratory 3 |  |  |  |  |  |  |  |  |  |  |  |
| 16. | Laboratory 4 |  |  |  |  |  |  |  |  |  |  |  |
| 17. | Laboratory 5 |  |  |  |  |  |  |  |  |  |  |  |
| 18. | Laboratory 6 |  |  |  |  |  |  |  |  |  |  |  |
| 19. | Laboratory 7 |  |  |  |  |  |  |  |  |  |  |  |
| 20. | Laboratory 8 |  |  |  |  |  |  |  |  |  |  |  |
| 21. | Laboratory 9 |  |  |  |  |  |  |  |  |  |  |  |
| 22. | Laboratory 10 |  |  |  |  |  |  |  |  |  |  |  |
| 23. | Laboratory 11 |  |  |  |  |  |  |  |  |  |  |  |
| 24. | Laboratory 12 |  |  |  |  |  |  |  |  |  |  |  |
| 25. | Workshop 1 |  |  |  |  |  |  |  |  |  |  |  |
| 26. | Workshop 2 |  |  |  |  |  |  |  |  |  |  |  |
| 27. | Computer Centre |  |  |  |  |  |  |  |  |  |  |  |
| 28. | Drawing Hall |  |  |  |  |  |  |  |  |  |  |  |
| 29. | Library |  |  |  |  |  |  |  |  |  |  |  |
| 30. | Seminar Hall |  |  |  |  |  |  |  |  |  |  |  |
| 31. | Principal Room |  |  |  |  |  |  |  |  |  |  |  |
| 32. | Board Room |  |  |  |  |  |  |  |  |  |  |  |
| 33. | College Office |  |  |  |  |  |  |  |  |  |  |  |
| 34. | Department Office |  |  |  |  |  |  |  |  |  |  |  |
| 35. | HOD Cabin |  |  |  |  |  |  |  |  |  |  |  |
| 36. | Faculty Room – First Year |  |  |  |  |  |  |  |  |  |  |  |
| 37. | Faculty Room – Second Year |  |  |  |  |  |  |  |  |  |  |  |
| 38. | Central Stores |  |  |  |  |  |  |  |  |  |  |  |
| 39. | Maintenance |  |  |  |  |  |  |  |  |  |  |  |
| 40. | Security |  |  |  |  |  |  |  |  |  |  |  |
| 41. | House Keeping |  |  |  |  |  |  |  |  |  |  |  |
| 42. | Pantry for staff |  |  |  |  |  |  |  |  |  |  |  |
| 43. | Exam Office |  |  |  |  |  |  |  |  |  |  |  |
| 44. | Gents Toilet |  |  |  |  |  |  |  |  |  |  |  |
| 45. | Ladies Toilet |  |  |  |  |  |  |  |  |  |  |  |
| 46. | Boys Common Room |  |  |  |  |  |  |  |  |  |  |  |
| 47. | Girls Common Room |  |  |  |  |  |  |  |  |  |  |  |
| 48. | Cafeteria |  |  |  |  |  |  |  |  |  |  |  |
| 49. | Stationary Store & Reprography |  |  |  |  |  |  |  |  |  |  |  |
| 50. | First Aid cum Sick Room |  |  |  |  |  |  |  |  |  |  |  |
| 51. | Principal’s Quarters |  |  |  |  |  |  |  |  |  |  |  |
| 52. | Guest House |  |  |  |  |  |  |  |  |  |  |  |
| 53. | Sports Club / Gymnasium |  |  |  |  |  |  |  |  |  |  |  |
| 54. | Auditorium / Amphi Theatre |  |  |  |  |  |  |  |  |  |  |  |
| 55. | Language Laboratory |  |  |  |  |  |  |  |  |  |  |  |
| 56. | Boys Hostel |  |  |  |  |  |  |  |  |  |  |  |
| 57. | Girls Hostel |  |  |  |  |  |  |  |  |  |  |  |
|  | **TOTAL :** |  |  |  |  |  |  |  |  |  |  |  |

Note:Details of furniture including lecture room benches, drawing tables, lecture stands, drafting machines etc. (add detailed sheet).

**PART –IV :FACULTY AND STAFF REQUIREMENTS**

|  |  |
| --- | --- |
| **a** | **FACULTY AND STAFF REQUIREMENTS [FIRST, SECOND YEAR & THIRD YEAR]** |
| **S.No** | **Discipline** | **Sanct.****Intake** | **HOD** | **Lecturer** | **TOTAL** | **AICTE NORMS & GUIDELINES** |
| 1. | **FIRST YEAR** |  |  |
|  | English |  |  |  |  | **Faculty : Student Ratio = 1 : 20** **Principal : 1****HOD : 1 per Dept.****Lecturer : Intake / 20** |
|  | Mathematics |  |  |  |  |
|  | Physics |  |  |  |  |
|  | Chemistry |  |  |  |  |
|  | Engineering  |  |  |  |  |
|  | Architecture |  |  |  |  |
| 2. | **SECOND YEAR** |  |
|  | CIVIL |  |  |  |  |
|  | MECHANICAL |  |  |  |  |
|  | EEE |  |  |  |  |
|  | ECE |  |  |  |  |
|  | COMPUTER |  |  |  |  |
|  | IT |  |  |  |  |
|  | AUTOMOBILE |  |  |  |  |
|  |  |  |  |  |  |
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| 3. | **THIRD YEAR** |  |  |  |  |
|  | CIVIL |  |  |  |  |
|  | MECHANICAL |  |  |  |  |
|  | EEE |  |  |  |  |
|  | ECE |  |  |  |  |
|  | COMPUTER |  |  |  |  |
|  | IT |  |  |  |  |
|  | AUTOMOBILE |  |  |  |  |
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|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **TOTAL** |  |  |  |  |  |
| (i) | TOTAL SANCTIONED INTAKE  | : |  |
| (ii) | TOTAL STAFF REQUIRED [at the ratio of 1 : 20] | : |  |
| (iii) | **TOTAL STAFF AVAILABLE [ON THE PAY ROLL] -** | : |  |
| (iv) | **STAFF STUDENT RATIO [BASED ON PAYROLL] -** | : |  |
| 2. | Principal | : |  | **ONE** |
| 3. | Librarian | : |  | **ONE** |
| 4. | Physical Education Director | : |  | **ONE** |
| 5. | Non-Teaching Technical Staff :  | FOREMAN | : |  | *The ratio between the Foreman to Workshop Instructor = 1 : 5 for the entire 3 years* |
|  | WORKSHOP INSTRUCTOR | : |  |
|  | SKILLED / LAB ASSISTANTS | : |  | *One Lab. Assistant for each laboratory* |
|  | UNSKILLED ASSISTANTS | : |  | *One Assistant for each Department* |
| 6. | Number of Ministerial Staff | : |  | *As per Institutions requirement* |
| 7. | Number of Basic Servants | : |  | *As per Institutions requirement* |
| 8. | Whether AICTE Pay Scales implemented | : | YES / NO : |

|  |  |
| --- | --- |
| **b** | **FACULTY - QUALIFICATION AND EXPERIENCE**  |
| **I.** | **PRINCIPAL - QUALIFICATION** |
| **NAME OF THE PRINCIPAL** | **:** |  |
| **Stamp Size Photo** | **Date of Birth & Age** | **Qualification with Class obtained starting from the highest Degree** | **Corresponding Specialization** | **Date of Joining** | **Scale of Pay** | **Present Basic Pay** | **Total****emoluments** | **Signature** |
|  |  |  |  |  |  |  |  |  |
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| **II.** | **PRINCIPAL - EXPERIENCE** |
| **Teaching** | **Industry** |
| **Institution** | **Position** | **Years** | **Institution** | **Position** | **Years** |
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| **III.** | **TEACHING FACULTY - QUALIFICATION** |
| **Name of the Faculty Member with Stamp Size Photo** | **Designation** | **Department** | **Qualification with Class obtained starting from the highest Degree** | **Corresponding Specialization** | **Date of Birth & Age** | **Date of Joining** | **Scale of Pay** | **Present Basic Pay** | **Total****emoluments** | **Signature** |
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| **c.** | **TEACHING FACULTY - EXPERIENCE** |
| **S.No** | **Name of the faculty Member** | **Teaching** | **Industry** |
| **Institution** | **Position** | **Years** | **Institution** | **Position** | **Years** |
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| **d.** | **LIBRARIAN AND PHYSICAL EDUCATION DIRECTOR** |
| **Name of the Faculty Member with Stamp Size Photo** | **Designation** | **Qualification with Class obtained starting from the highest Degree** | **Previous Experience** | **Date of Birth & Age** | **Date of Joining** | **Scale of Pay** | **Present Basic Pay** | **Total****emoluments** | **Signature** |
|  | **Librarian** |  |  |  |  |  |  |  |  |
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|  |
|  | **Physical Education Director** |  |  |  |  |  |  |  |  |
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| **e.** | **WORKSHOP AND TECHNICAL SUPPORTING STAFF** |
| **S.****No** | **Name of the Staff** | **Department** | **Laboratory** | **Designation** | **Qualification**  | **Previous Experience** | **Date of Birth & Age** | **Date of Joining** | **Scale of Pay** | **Present Basic Pay** | **Total****emoluments** | **Signature** |
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| **f** | **MINISTERIAL STAFF** |
| **S.****No** | **Name of the Staff** | **Place of Work** | **Designation** | **Qualification**  | **Previous Experience** | **Date of Birth & Age** | **Date of Joining** | **Scale of Pay** | **Present Basic Pay** | **Total****emoluments** | **Signature** |
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**PART V – DETAILS OF MACHINERY/ EQUIPMENT**

|  |  |
| --- | --- |
|  | **\*\*LIST OF EQUIPMENTS AND ITS ADEQUACY [FOR A BATCH OF 30 STUDENTS]** |
| **(a)** | **EQUIPMENTS**  |
| 1. | Whether Equipments for all the Laboratories / Workshops prescribed as per syllabus is available  | **:** | **YES / NO** |
| 2. | Whether all the existing equipments are entered in Stock Register ? | **:** | **YES / NO** |
| 3. | Whether all the existing equipments are in working condition or not ? | **:** | **YES / NO** |
| 4. | If not, list out the equipments that are not in working condition | **:** | ***(list to be enclosed)*** |
| 5. | Whether any equipments are likely to be purchased in respect of the Courses for which extension of approval is applied | **:** | **YES / NO** |
| 6. | If YES, list out the equipments | **-** | ***(list to be enclosed)*** |
| **(b)** | **LIST OF EQUIPMENTS AND ITS ADEQUACY (as per prescribed/ revised curriculum) [FOR A BATCH OF 30 STUDENTS]** |
|  | **[FIRST, SECOND YEAR & THIRD YEAR]** |
| S.No | Name of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
|  |  | **4** SETS |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

Attach separate sheet for list of equipment.

**PART VI – FINANCIAL & PHYSICAL RESOURCES**

**3.1. Budgeted Expenditure for the year 2012-13**

|  |  |  |  |
| --- | --- | --- | --- |
| **Expenditure Heads** | **Budget (In lakhs)** | **Actual Expenditure** | **Shortfall if any** |
| 1. **I. Academic Buildings:**
* Construction
* Maintenance Expenses
 |  |  |  |
| 1. **II. Laboratories/Computing Centre**
* New Equipment
* Furniture
* Operation & Maintenance
 |  |  |  |
| **III. Salary*** Salary of Teaching Staff
* Salary of Non-Teaching Staff
 |  |  |  |
| **IV. Faculty/Staff Development**(Seminars/Workshops/Incentive Schemes/Training/Higher Studies) |  |  |  |
| **V. Library*** Books
* Journals ,e-journals
* E-library
 |  |  |  |
| **VI. Services*** Administration/Transport/Hostels/Canteen/Security/Water/Electricity/P&T:
* Hostel Maintenance
* Landscaping
* Internet facility
 |  |  |  |
| **VII. Students Activities*** Extracurricular/Co-curricular/

Sports/Cultural /extra classes |  |  |  |
| **VIII. Medical Expenses** **-Full time or otherwise** |  |  |  |
| **IX. Any Other, please specify** |  |  |  |

. Latest Balance Sheet of the Society certified from CA is to be attached

**PART- V II:STUDENTS**

**Academic Performance of Last three Years (Attach Annexure if required)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S. No.**  | **Discipline**  | **Year**  | **Number of student Appeared**  | **Passed**  | **Passed with 1st Division**  | **Pass Percentage**  |
|  **A**  | **Number (B)** |  | **(B/A)\*100** |
|   1. |  | **1st year** |  |  |  |  |
| **2nd year** |  |  |  |  |
| **3rd year** |  |  |  |  |
|  2. |  |  |  |  |  |  |
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**UPKEEP OF ATTENDENCE RECORD OF STUDENTS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S. No. | Branch/ with year/ Semester | Hours of teaching from start of session | Total student on roll | Number of students | Remarks |
|  |  |  |  | Above 75% | Above 70% | Above 65% | Above 60% |  |
| 1. |  |  |  |  |  |  |  |  |
| 2. |  |  |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |  |  |
| 4. |  |  |  |  |  |  |  |  |
| 5. |  |  |  |  |  |  |  |  |
| 6. |  |  |  |  |  |  |  |  |
| 7. |  |  |  |  |  |  |  |  |
| 8. |  |  |  |  |  |  |  |  |
| 9. |  |  |  |  |  |  |  |  |
| 10. |  |  |  |  |  |  |  |  |

 **Details of**

1. Merit position/toppers branch wise in the SBTE Exams if any.
2. Awards awarded by the Polytechnic to the academic toppers of your Polytechnic.
3. Steps taken for improving the academic results.
4. Conduct of extra classes for weak/ needy students (Please attach copy of time table also).
5. Total no. of working days observed in Semester (Please attach copy of time table also).

(vi) Number of placements & efforts made for improving Industrial Institution Interaction

**COMPLIANCE REPORT OF AICTE**

|  |  |  |
| --- | --- | --- |
| S. No. | Conditions/ Shortcomings | Status of Compliance |
|  |  |  |
|  |  |  |

**COMPLIANCE REPORT OF HSBTE**

|  |  |  |
| --- | --- | --- |
| S. No. | Conditions/ Shortcomings | Status of Compliance |
|  |  |  |
|  |  |  |

**Teaching Learning**

|  |  |
| --- | --- |
| Implementation of Academic Calendar  | Yes/ No |
| Use of Teaching Aids | Yes/ No |
| Student Feedback implemented or not | Yes/ No |
| Any new innovation/ practice in teaching |  |

|  |
| --- |
| **Others** |
| i. | Status of Bio-metric Attendance  |  |
| ii. | Institutional Website |  |
| iii. | Maintenance of Teacher’s Diary |  |
| iv. | Mandatory Disclosures on institute website |  |

**PART – VIII:SUPPLEMENTARY LEARNING PROCESSES**

 **Details of**

 (i) Student Feedback implemented or not?

 (ii) Whether Alumni association is formed or not.

 (iii) Efforts made for quality teaching/ improving pedagogy/ personality development & improvement in Communication Skill of students.

(iv) Steps taken for improving academic ambiance of the Polytechnic like land scaping, horticulture, tree plantation etc.

(v) Any new innovations /practices/modern techniques in teaching started in the institutions.

(vi) Utilization of student fund for student welfare activities.

**PART-VIII INDUSTRY INSTITUTION INTERACTION & PLACEMENTS**

**(a) Mention the following details if any.**

1. Details of industrial tours/visits/ seminar etc. organized in the previous academic session
2. Consultancy

(iii) Industrial Project Work

1. Seminars/Conferences/Lectures with industry partnership

**(b) Student’s Placement :**

1. Whether training and placement cell has been established? Yes/No
2. Name of the Training and Placement Officer \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Qualification and Experience of Training and Placement Officer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Number of companies which visited the Institute during the last three years for campus interviews:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	1. (Please supply the list of companies)
5. Number of extension lectures delivered by outside experts during the last three
	1. years \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Number of students placed during the last 3 years;

|  |  |  |
| --- | --- | --- |
| No. of Eligible Students | No. of Students Placed | Percentage |
|  |  |  |
|  |  |  |
|  |  |  |

**PART IX – FACULTY DEVELOPMENT INITIVATIES**

1. Number of faculty sponsored till date for improvement of academic qualification teaching skills etc.
2. Number of faculty sponsored to attend training conference and other professional meeting within and outside the country and the total amount spent for this purpose by the Institute/ Trust/ Society.
3. Number of faculty sponsored for industrial training.

(iv) Do you have any faculty development plan, if so give the details.

**PART X-EXTRA CURRICULAR ACTIVITIES :**

Please give a brief account of the activities/ achievements of your Institute during the previous year under the following subheadings.

1. Games and sports
2. Debates/ Paper presentation / Quiz Competitions / etc.
3. Cultural activities
4. NCC/NSS
5. Students help desk
6. Any other

**PART XI- OTHERS**

* 1. Please state whether the applicant is running and/ or managing any other technical/professional institution which is approved in the premises on sharing basis. If so, please give the name of the program/course being conducted.
	2. Whether the applicant has any court case in respect of violation of provisions of state Govt./UGC or that of any other statutory body including AICTE/NCHMCT/PCI.
	3. Does your institute has ever been served show cause notice by the HSBTE for indulging in malpractices in conduct of Board examination?. If Yes, Please mention the details and its present status.
	4. Does your institute has ever been served show cause notice by the DTE/AICTE/PCI/HSBTE for indulging in malpractices/violation of rules, etc ?.If Yes, Please mention the details and its present status.
	5. Please submit status of compliance in respect of various conditions/guidelines as per latest AICTE approval Letter.
	6. Please submit status of compliance in respect of Grievance Redressal Committee for students as notified by AICTE.
	7. Please submit status of compliance in respect of various conditions/guidelines as per latest DTE/State Govt. NOC.
	8. Whether any deficiencies were reported by the AICTE during last two years ? If Yes, Please submit the compliance of these deficiencies.
	9. Whether any deficiencies were reported by the DTE/HSBTE during last two years ? If Yes, Please submit the compliance of these deficiencies.
	10. Please describe briefly future plans for improvements in infrastructure/expansion in academic and other activities to fully meet the norms and standards.

Name and Signature of the Head of the Institution.

Counter signed by:

(Head of the Society/Trust/Board) (Two Members on Society/Trust/Board)

|  |  |
| --- | --- |
| **\*\*** | **LIST OF EQUIPMENTS AND ITS ADEQUACY [FOR A BATCH OF 30 STUDENTS]** **In addition to below mentioned Machinery and Equipment latest Machinery and Equipment as per prescribed/ revised curriculum shall be in place** |
| 1. **FIRST YEAR [COMMON FOR ALL BRANCHES]**
 |
| **I (A).** | **FIRST SEMESTER – ENGINEERING PHYSICS – I PRACTICAL [ “L” SCHEME ]** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | MICROMETER (SCREW GAUGE) SETUP - Screw gauge, graph sheet and irregular glass plate. | **4** SETS |  |  |  |  |  |
| 2. | VERNIER CALIPERS SETUP - Vernier Calipers and Solid Cylinder | **4** SETS |  |  |  |  |  |
| 3. | CONCURRENT FORCES SETUP - Vertical drawing board, two Z pulleys, three sets of slotted weights (5 x 50g) and twine thread | **4** SETS |  |  |  |  |  |
| 4. | POISEUILLE’S METHOD SETUP - Burette stand, graduated burette without stopper, rubber tube, beaker, capillary Tube, digital stop watch and funnel. | **4** SETS |  |  |  |  |  |
| 5. | STOKES’ METHOD SETUP – Stokes Apparatus, high viscous liquid (Castrol oil), glass beads of Different radii, digital stop watch and screw gauge | **4** SETS |  |  |  |  |  |
| 6. | SURFACE TENSION SETUP - Beaker with water, capillary tube, iron stand with clamp, pointer, travelling microscope and hydro static bench. | **4** SETS |  |  |  |  |  |
| 7. | SONOMETER SETUP - Sonometer, screw gauge, tuning fork, rubber hammer, slotted weight hanger set (5 x 0.5kg) and paper rider | **4** SETS |  |  |  |  |  |
| 8. | DEFLECTION MAGNETOMETER SETUP - Deflection Magnetometer, meter scale and two bar magnets | **4** SETS |  |  |  |  |  |

|  |  |
| --- | --- |
| **I (B).** | **SECOND SEMESTER – ENGINEERING PHYSICS – II PRACTICAL [ “L” SCHEME ]** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | REFRACTIVE INDEX SETUP - Travelling Microscope, Beaker with transparent liquid and Saw dust | **4** SETS |  |  |  |  |  |
| 2. | SPECTROMETER. SETUP - Spectrometer, Sodium vapour lamp, Reading lens and Glass prism | **4** SETS |  |  |  |  |  |
| 3. | SOLAR CELL SETUP - Solar cell Kit for drawing the V - I characteristics | **4** SETS |  |  |  |  |  |
| 4. | LAWS OF RESISTANCES - Battery Eliminator, key, rheostat, ammeter, voltmeter, Connecting wires and two known standard resistances | **4** SETS |  |  |  |  |  |
| 5. | METRE BRIDGE SETUP - Meter Bridge, variable resistance box, Leclanche cell, plug Key, galvanometer, high resistance, jockey, connecting Wires and unknown resistance | **4** SETS |  |  |  |  |  |
| 6. | POTENTIOMETER SETUP - Potentiometer, two cells (Leclanche cell and Daniel cell), Battery eliminator, Rheostat, Key, two way key,Galvanometer, high resistance, jockey and connecting wires | **4** SETS |  |  |  |  |  |
| 7. | JOULE’S CALORIMETER SETUP- Joule’s Calorimeter, Battery eliminator, Rheostat, Key, Ammeter, voltmeter, stop clock, thermometer, digital Balance and connecting wires | **4** SETS |  |  |  |  |  |
| 8. | COPPER VOLTAMETER SETUP- Copper Voltameter, Battery eliminator, Rheostat, Key, Ammeter, stop clock, digital balance, emery sheet and Connecting wires | **4** SETS |  |  |  |  |  |
| 9. | P-N JUNCTION DIODE SETUP - P-N Junction Diode forward characteristics kit | **4** SETS |  |  |  |  |  |
| 10. | LOGIC GATES SETUP - Logic gates testing apparatus kit with bread board for Mounting ICs and Integrated circuit chips ( IC 7404 – NOT Gate, IC 7408 – AND Gate, IC 7432 – OR gate, IC 7400 – NAND Gate, IC 7402 – NOR Gate) | **4** SETS |  |  |  |  |  |

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| **I (C).** | **I & II SEMESTER – ENGINEERING CHEMISTRY – I & II PRACTICAL [ “L” SCHEME ]** |
| S.No | List of Equipments | Quantity Required (in Nos) | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| **Non-Consumable Items:** |
| 1. | Indane gas Connection (DBC) | **1** |  |  |  |  |  |
| 2. | Exhaust Fan (High capacity) | Sufficient  |  |  |  |  |  |
| 3. | Fire Extinguisher | **1** |  |  |  |  |  |
| 4. | First Aid Box (Full set) | **2** |  |  |  |  |  |
| 5. | Safety chart | **1** |  |  |  |  |  |
| 6. | Chemical Balance | **1** |  |  |  |  |  |
| 7. | Fractional weight box | **1** |  |  |  |  |  |
| 8. | PH meters | **5** |  |  |  |  |  |
| 9. | Working Table with all accessories | **8** |  |  |  |  |  |
| **Glassware and Other Items :** |
| 1. | Burette 50ml | **35** |  |  |  |  |  |
| 2. | Pipette 20ml (with safety bulb) | **35** |  |  |  |  |  |
| 3. | Conical Flask 250ml | **35** |  |  |  |  |  |
| 4. | Funnel 3” (Polythene) | **50** |  |  |  |  |  |
| 5. | Porcelain Tile 6x6” | **35** |  |  |  |  |  |
| 6. | Measuring Cylinder 100ml | **5** |  |  |  |  |  |
| 7. | Measuring Cylinder 500ml | **3** |  |  |  |  |  |
| 8. | Reagent Bottle (White) 250ml | **60** |  |  |  |  |  |
| 9. | Reagent Bottle (White) 125ml | **100** |  |  |  |  |  |
| 10. | Reagent Bottle (Amber) 250ml | **80** |  |  |  |  |  |
| 11. | Test tubes 15 x 1.5 mm | **1000** |  |  |  |  |  |
| 12. | Test tubes 15 x 2.5 mm | **500** |  |  |  |  |  |
| 13. | Test tube stand | **35** |  |  |  |  |  |
| 14. | Test tube holder | **35** |  |  |  |  |  |
| 15. | Test tube cleaning brush | **35** |  |  |  |  |  |
| 16. | Glass Trough | **5** |  |  |  |  |  |
| 17. | Beakers 1000 ml | **5** |  |  |  |  |  |
| 18. | Beakers 500 ml | **5** |  |  |  |  |  |
| 19. | Beakers 250 ml | **35** |  |  |  |  |  |
| 20. | Beakers 100 ml | **5** |  |  |  |  |  |
| 21. | Glass Rods 15cm | **100** |  |  |  |  |  |
| 22. | Watch Glass 3” | **35** |  |  |  |  |  |
| 23. | Wash Bottle (Polythene) 1000 ml | **35** |  |  |  |  |  |
| 24. | Nickel Spatula | **10** |  |  |  |  |  |
| 25. | Kipps Apparatus | **1** |  |  |  |  |  |
| 26. | Burner Nipple | **30** |  |  |  |  |  |
| 27. | Bunsen Burner for gas connection | **30** |  |  |  |  |  |
| 28. | Wire Gauge with asbestos center | **15** |  |  |  |  |  |
| 29. | Plastic Buckets (15 lts) | **10** |  |  |  |  |  |
| 30. | Tripod Stand (Iron) | **30** |  |  |  |  |  |
| 31. | Filter Paper Round sheets | **1000** |  |  |  |  |  |
| 32. | Burette stand | **35** |  |  |  |  |  |
| 33. | Standard flask 100 ml | **35** |  |  |  |  |  |
| 34. | Pipette 10ml | **5** |  |  |  |  |  |

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| **I (D).** | **SECOND SEMESTER – WORKSHOP PRACTICE [ “L” SCHEME ]** |
| S.No | List of Equipments | Quantity Required (in Nos) | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| **FITTING SECTION** |
| 1. | 4” Bench vice | **30** |  |  |  |  |  |
| 2. | 12” Flat Rough file | **30** |  |  |  |  |  |
| 3. | 12” Flat smooth file | **30** |  |  |  |  |  |
| 4. | 10” Try angular file | **30** |  |  |  |  |  |
| 5. | 8” Half round file | **30** |  |  |  |  |  |
| 6. | 8” Square file | **30** |  |  |  |  |  |
| 7. | 10” Round file | **30** |  |  |  |  |  |
| 8. | 150 mm Try square | **30** |  |  |  |  |  |
| 9. | 150 mm Steel rule | **30** |  |  |  |  |  |
| 10. | 6 mm Dot punch | **30** |  |  |  |  |  |
| 11. | 6 mm Center punch | **30** |  |  |  |  |  |
| 12. | Hacksaw Frame | **30** |  |  |  |  |  |
| 13. | 6” leg vice | **5** |  |  |  |  |  |
| 14. | 6 mm Prick punch | **5** |  |  |  |  |  |
| 15. | Hand shearing machine | **1** |  |  |  |  |  |
| 16. | Ball Pan ½ lbs Hammer | **30** |  |  |  |  |  |
| 17. | 6.8 mm Drill Bit | **5** |  |  |  |  |  |
| 18. | 8.5 mm Drill Bit | **5** |  |  |  |  |  |
| 19. | 10.2 mm Drill Bit | **5** |  |  |  |  |  |
| 20. | M8 tap set | **5** |  |  |  |  |  |
| 21. | M10 tap set | **5** |  |  |  |  |  |
| 22. | M12 tap set | **5** |  |  |  |  |  |
| 23. | Bench drilling machine | **5** |  |  |  |  |  |
| 24. | Deep cut Hacksaw frame | **5** |  |  |  |  |  |
| 25. | 2’ x 1 ½’ Surface plate | **2** |  |  |  |  |  |
| 26. | Scriber | **30** |  |  |  |  |  |
| 27. | Tap wrench | **10** |  |  |  |  |  |
| **WIRING SECTION** |
| 1. | 6” Insulated handle cutting pliers | **30** |  |  |  |  |  |
| 2. | 8” Insulated handle screw driver | **30** |  |  |  |  |  |
| 3. | ¼ Pound hammer | **30** |  |  |  |  |  |
| 4. | Wire Cutter | **30** |  |  |  |  |  |
| 5. | 250V Line Tester | **30** |  |  |  |  |  |
| 6. | 10 cm Poker | **30** |  |  |  |  |  |
| 7. | 4” Connecting Screw driver | **30** |  |  |  |  |  |
| 8. | 2 x 1½ Wiring board | **30** |  |  |  |  |  |
| 9. | Multi meter | **5** |  |  |  |  |  |
| 10. | Required numbers of switches and sufficient consumables | **---** |  |  |  |  |  |

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| **II. GENERAL [COMMON LABORATORIES]** |
| **II (A).** | **GENERAL [COMMON] – COMPUTER APPLICATIONS PRACTICAL** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Desktop Computer System with latest configuration | **30 Nos** |  |  |  |  |  |
| 2. | Power Backup (UPS) | **10 KVA** |  |  |  |  |  |
| 3. | Laser Printer | **3 Nos** |  |  |  |  |  |
| 4. | Operating System [MS WINDOWS / LINUX] | **30 License** |  |  |  |  |  |
| 5. | Office Package [MS OFFICE / OPEN OFFICE] | **30 License** |  |  |  |  |  |

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| **II (B).** | **GENERAL [COMMON] – COMMUNICATION AND LIFE SKILL PRACTICAL**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | An echo-free room  | **1 No.** |  |  |  |  |  |
| 2. | Furniture / Chairs | **30 Nos** |  |  |  |  |  |
| 3. | Public Address System | **1 No.** |  |  |  |  |  |
| 4. | A minimum of two Computers with internet access, with Audio for Listening Skill and related software packages | **2 Nos** |  |  |  |  |  |
| 5. | Minimum of Two different English dailies | **2 Nos** |  |  |  |  |  |
| 6. | Minimum of one Tamil daily | **1 No.** |  |  |  |  |  |
| 7. | Headphone units – 30 Nos. with one control unit with a facility to play and record in Computer | **As required** |  |  |  |  |  |
| 8. | Minimum of Three Mikes with and without cords | **3+3 nos** |  |  |  |  |  |
| 9. | Colour TV (min.size – 29”). | **1 No.** |  |  |  |  |  |
| 10. | DVD/VCD Player with Home Theatre speakers | **1 set** |  |  |  |  |  |
| 11. | Clip Chart, white/smart board | **1 each** |  |  |  |  |  |
| 12. | Projector. | **1 No.** |  |  |  |  |  |
| 13. | Video camera | **1 No.** |  |  |  |  |  |
| 14. | Printer, Xerox, scanner m/c | **1 each** |  |  |  |  |  |
| 15. | English Weeklies /monthlies /journals like ELTOI  | **Adequate** |  |  |  |  |  |
| 16. | Frozen thoughts –monthly journal for Life skills by Mr.Rangarajan | **Adequate** |  |  |  |  |  |

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| **III. CIVIL ENGINEERING** |
| **III (A).** | **CIVIL - THIRD SEMESTER – MATERIAL TESTING LAB PRACTICE I**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Universal Testing Machine (20 to 40 t capacity)  | **1 No.** |  |  |  |  |  |
| 2. | Compression Testing M/C. (50 to 100 t capacity)  | **1 No.** |  |  |  |  |  |
| 3. | Torsion Testing Machine (To test mild steel bars of 12 to 16 mm dia)  | **1 No.** |  |  |  |  |  |
| 4. | Brinell Hardness Testing m/c  | **1 No.** |  |  |  |  |  |
| 5. | Rockwell’s Hardness Testing Machine  | **1 No.** |  |  |  |  |  |
| 6. | Izod/Charpy Impact Testing Machine  | **1 No.** |  |  |  |  |  |
| 7. | Tile Flexure Testing Machine  | **1 No.** |  |  |  |  |  |
| 8. | Deflection Test Apparatus with Deflectometer  | **1 No.** |  |  |  |  |  |
| 9. | Blaine Air Permeability Apparatus  | **1 No.** |  |  |  |  |  |
| 10. | Vicat Apparatus with accessories (moulds, plunger, needles)  | **2 No.** |  |  |  |  |  |
| 11. | Cement Autoclave Apparatus with accessories  | **1 No.** |  |  |  |  |  |
| 12. | Water measuring jars  | **4 No.** |  |  |  |  |  |
| 13. | Stop Watches  | **4 No.** |  |  |  |  |  |
| 14. | Vernier Calipers  | **4 No.** |  |  |  |  |  |
| 15. | Steel Scales- 1 metre length  | **4 No.** |  |  |  |  |  |
| 16. | Steel Scales- 30 or 50 cm length  | **4 No.** |  |  |  |  |  |
| 17. | Dial Gauges/ Compresso meter with stands  | **2 No.** |  |  |  |  |  |
| 18. | Electronic Weighing Balances (5 kg)  | **2 No.** |  |  |  |  |  |
| 19. | Electric Oven/ Hot Plate  | **1 No.** |  |  |  |  |  |
| 20. | Trowels of different sizes  | **4 No.** |  |  |  |  |  |
| 21. | Steel Trays / Pans  | **4 No.** |  |  |  |  |  |
| 22. | Steel Buckets / Containers  | **2 No.** |  |  |  |  |  |
| 23. | Steel/ Plastic Mugs  | **2 No.** |  |  |  |  |  |
| 24. | China Clay Discs  | **4 No.** |  |  |  |  |  |
| 25. | Steel Hammer / Steel Punch  | **1 Set** |  |  |  |  |  |
| 26. | Extenso meter/Strain Gauge  | **1 No.** |  |  |  |  |  |
| 27. | Strain Recording Instrument (for study purpose)  | **1 No.** |  |  |  |  |  |

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| **III (B).** | **CIVIL - THIRD SEMESTER – SURVEYING PRACTICE I**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Chain with arrows | **6 No.** |  |  |  |  |  |
| 2. | Tape | **6 No.** |  |  |  |  |  |
| 3. | Ranging rod | **6 No.** |  |  |  |  |  |
| 4. | Cross – Staff | **6 No.** |  |  |  |  |  |
| 5. | Prismatic Compass | **6 No.** |  |  |  |  |  |
| 6. | Dumpy Level | **10 No.** |  |  |  |  |  |
| 7. | Levelling Staff | **10 No.** |  |  |  |  |  |
| 8. | Hand held GPS | **6 No.** |  |  |  |  |  |

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| **III (C).** | **CIVIL - THIRD SEMESTER – COMPUTER APPLICATIONS PRACTICAL** |
| **REFER SECTION II (A). GENERAL [COMMON LABORATORIES]** |

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| **III (D).** | **CIVIL - FOURTH SEMESTER – MATERIAL TESTING LAB II**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Deval’s Attrition Testing m/c  | **1 No.** |  |  |  |  |  |
| 2. | Dorry’s Abrasion Testing m/c  | **1 No.** |  |  |  |  |  |
| 3. | Aggregate Impact Testing Machine  | **1 No.** |  |  |  |  |  |
| 4. | Compression Testing Machine (Available in M.T.Lab I may be used)  | **1 No.** |  |  |  |  |  |
| 5. | I.S.Sieves (All sizes) as per the test requirements of I S code  | **1 Set** |  |  |  |  |  |
| 6. | Pycnometer | **2 No.** |  |  |  |  |  |
| 7. | Standard Liquid Limit Apparatus  | **1 No.** |  |  |  |  |  |
| 8. | Sand Pouring Cylinder  | **1 No.** |  |  |  |  |  |
| 9. | Cylindrical Core Cutter  | **1 No.** |  |  |  |  |  |
| 10. | Proctor Compaction Apparatus with accessories  | **1 No.** |  |  |  |  |  |
| 11. | Direct Shear Apparatus with Shear Box assembly  | **1 No.** |  |  |  |  |  |
| 12. | Jackson Candle Turbidity meter with Candle  | **1 No.** |  |  |  |  |  |
| 13. | Imhoff Cone Apparatus  | **1 No.** |  |  |  |  |  |
| 14. | Weighing M/C. (50/100kg) | **1 No.** |  |  |  |  |  |
| 15. | Digital Balances (5/10 kg)  | **4 No.** |  |  |  |  |  |
| 16. | Electric Oven / Hot Plate  | **1 No.** |  |  |  |  |  |
| 17. | Water measuring jars  | **6 No.** |  |  |  |  |  |
| 18. | Water Bath  | **1 No.** |  |  |  |  |  |
| 19. | Stop Watches  | **4 No.** |  |  |  |  |  |
| 20. | Steel Trays / Pans  | **6 No.** |  |  |  |  |  |
| 21. | Steel Buckets  | **4 No.** |  |  |  |  |  |
| 22. | Cylindrical Steel Containers (2 or 3 Litres)  | **2 No.** |  |  |  |  |  |
| 23. | Trowels of different sizes  | **6 No.** |  |  |  |  |  |
| 24. | Steel Scales (50cm/30cm)  | **4 No.** |  |  |  |  |  |
| 25. | Glass plates  | **6 No.** |  |  |  |  |  |
| 26. | China Clay Discs  | **6 No.** |  |  |  |  |  |
| 27. | Steel/ Plastic Mugs  | **6 No.** |  |  |  |  |  |

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| **III (E).** | **CIVIL - FOURTH SEMESTER – SURVEYING PRACTICE II**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Vernier Theodolite | **10 Nos** |  |  |  |  |  |
| 2. | Total Station | **3 Nos** |  |  |  |  |  |

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| **III (F).** | **CIVIL - FOURTH SEMESTER – CAD IN CIVIL ENGINEERING DRAWING**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Software – [like AutoCAD] | **30 license** |  |  |  |  |  |
| 2. | Desktop Computer System with latest configuration | **30 Nos** |  |  |  |  |  |
| 3. | Power Backup (UPS) | **10 KVA** |  |  |  |  |  |
| 4. | Laser Printer | **2 Nos** |  |  |  |  |  |

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| **IV. MECHANICAL ENGINEERING** |
| **IV (A).** | **MECHANICAL - THIRD SEMESTER - MECHANICAL TESTING & QUALITY CONTROL** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | UTM | **1** |  |  |  |  |  |
| 2. | Rockwell’s Hardness Testing Machine | **1** |  |  |  |  |  |
| 3. | Torsion testing machine | **1** |  |  |  |  |  |
| 4. | Deflection testing arrangement | **1** |  |  |  |  |  |
| 5. | Impact testing machine | **1** |  |  |  |  |  |
| 6. | Tension testing arrangements | **1** |  |  |  |  |  |
| 7. | Shear testing machine | **1** |  |  |  |  |  |
| 8. | Vernier calliper | **2** |  |  |  |  |  |
| 9. | Metallurgical Microscope  | **6** |  |  |  |  |  |
| 10. | Sample Specimen for ferrous & non- ferrous (Identification)  | **6 EACH** |  |  |  |  |  |
| 11. | For LPT1. Die
2. Cleaner
3. Developer
 | **2 no’s****4 no’s****4 no’s** |  |  |  |  |  |
| 12. | Magnetic particle test equipment | **2 no’s** |  |  |  |  |  |
| 13. | Belt polishing machine | **1** |  |  |  |  |  |
| 14. | Lapping machine | **1** |  |  |  |  |  |
| 15. | Sample Specimen | **10 no’s** |  |  |  |  |  |

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| **IV (B).** | **MECHANICAL - THIRD SEMESTER – FLUID POWER PRACTICAL** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | The Bernoulli’s Apparatus | **1 no.** |  |  |  |  |  |
| 2. | An Open tank fitted with a samlla orifice (or) an external mouth piece and a collecting tank with Piezometer | **1 no.** |  |  |  |  |  |
| 3. | A Centrifugal pump having the discharge line with venturimeter or orifice meter arrangement | **1 no.** |  |  |  |  |  |
| 4. | An arrangement to find friction factor | **1 no.** |  |  |  |  |  |
| 5. | A reciprocating pump with an arrangement for collecting data to find out the efficiency and plot the characteristics curves | **1 no.** |  |  |  |  |  |
| 6. | A centrifugal pump with an arrangement for collecting tank to find out the efficiency and plot the characteristics curves | **1 no.** |  |  |  |  |  |
| 7. | A impulse turbine with an arrangement for calculating data to find out the efficiency – Francis or Kalpan  | **1 no.** |  |  |  |  |  |
| 8. | A reaction turbine with an arrangement for collecting data to find out the efficiency | **1 no.** |  |  |  |  |  |
| 9. | Pneumatic Trainer Kit | **2 no’s** |  |  |  |  |  |
| 10. | Hydraulics Trainer Kit | **1 no.** |  |  |  |  |  |

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| **IV (C).** | **MECHANICAL - THIRD SEMESTER – COMPUTER APPLICATIONS PRACTICAL**  |
| **REFER SECTION II (A). GENERAL [COMMON LABORATORIES]** |

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| **IV (D).** | **MECHANICAL - FOURTH SEMESTER – COMPUTER AIDED MACHINE DRAWING** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Personal computer (With latest processor to suit Auto CAD) | **30 Nos** |  |  |  |  |  |
| 2. | MS Windows OS | **30 License** |  |  |  |  |  |
| 3. | AutoCAD software (release 2000 or above) | **30 users** |  |  |  |  |  |

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| **IV (E).** | **MECHANICAL - FOURTH SEMESTER – MANUFACTURING TECHNOLOGY - I**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
|  | **TURNING** |
| 1. | Center Lathe 4 ½ ‘ Bed length | **15 no’s** |  |  |  |  |  |
| 2. | 4 Jaw / 3 Jaw Chucks | **Adequate** |  |  |  |  |  |
| 3. | Chuck key (10x10 mm size) | **15 no’s** |  |  |  |  |  |
| 4. | Box spanner | **15 no’s** |  |  |  |  |  |
| 5. | Cutting Tool H.S.S ¼ ‘’ x ¼ ‘’ x 4 ‘’ long | **15 no’s** |  |  |  |  |  |
| 6. | Pitch gauge | **5 no’s** |  |  |  |  |  |
| 7. | Vernier Caliper (0-25 and 25-50) | **5 no’s each** |  |  |  |  |  |
| 8. | Micrometer, Inside and Outside(0-25 and 25-50)  | **5 each** |  |  |  |  |  |
| 9. | Vernier Height Gauge (300mm) | **1 no** |  |  |  |  |  |
| 10. | Snap gauge | **1 set** |  |  |  |  |  |
| 11. | Gear tooth Vernier | **1 no** |  |  |  |  |  |
| 12. | Parallel Block | **2 nos** |  |  |  |  |  |
| 13. | Steel Rule (0-150)  | **15 nos** |  |  |  |  |  |
| 14. | Outside and Inside Calipers | **15 each** |  |  |  |  |  |
| 15. | Thread gauge | **5 nos** |  |  |  |  |  |
| 16. | Bevel Protractor | **1no** |  |  |  |  |  |
| 17. | Jenny Caliper  | **5 nos** |  |  |  |  |  |
| 18. | Dial Gauge with Magnetic Stand  | **5 nos** |  |  |  |  |  |
| 19. | Marking Gauge  | **10 nos** |  |  |  |  |  |
| 20. | Safety Glass | **15 nos** |  |  |  |  |  |
|  | **WELDING** |
| 1. | Arc welding booth, with oil / air cooled welding transformer with accessories | **2 No’s** |  |  |  |  |  |
| 2. | Gas welding unit (Oxygen and acetylene cylinder) | **1 set** |  |  |  |  |  |
| 3. | Flux  | **500 gms** |  |  |  |  |  |
| 4. | Electrode 10 SWG | **200 no’s** |  |  |  |  |  |
| 5. | Face shield | **3 no’s** |  |  |  |  |  |
| 6. | Gas welding goggles | **2 no’s** |  |  |  |  |  |
| 7. | Leather Glows 18’’  | **4 set** |  |  |  |  |  |
| 8. | Flux chipping hammer | **4 no’s** |  |  |  |  |  |
| 9. | Spot welding machine | **1 no** |  |  |  |  |  |
|  | **FOUNDRY** |
| 1. | Crucible furnace | **1 no** |  |  |  |  |  |
| 2. | Tilting furnace | **1 no** |  |  |  |  |  |
| 3. | Shovel | **20 nos** |  |  |  |  |  |
| 4. | Rammer set | **30 nos** |  |  |  |  |  |
| 5. | Slick | **30 nos** |  |  |  |  |  |
| 6. | Strike-off bar | **30 nos** |  |  |  |  |  |
| 7. | Riddle | **15 nos** |  |  |  |  |  |
| 8. | Trowl | **30 nos** |  |  |  |  |  |
| 9. | Lifter | **30 nos** |  |  |  |  |  |
| 10. | Sprue pin | **60 nos** |  |  |  |  |  |
| 11. | Brush | **20 nos** |  |  |  |  |  |
| 12. | Vent rod | **30 nos** |  |  |  |  |  |
| 13. | Draw spike | **30 nos** |  |  |  |  |  |
| 14. | Gate cutter | **30 nos** |  |  |  |  |  |
| 15. | Cope box  | **30 nos** |  |  |  |  |  |
| 16. | Drag box  | **30 nos** |  |  |  |  |  |
| 17. | Core box | **10 nos** |  |  |  |  |  |
| 18. | Runner & riser | **60 nos** |  |  |  |  |  |
| 19. | Moulding board | **30 nos** |  |  |  |  |  |
| 20. | Patterns | **15 each** |  |  |  |  |  |

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| **IV (F).** | **MECH. - IV SEM. – METROLOGY & MEASUREMENT AND MACHINE TOOL TESTING** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Vernier caliper 0.02mm accuracy | **6** |  |  |  |  |  |
| 2. | Micrometer 0.01mm accuracy | **3** |  |  |  |  |  |
| 3. | Vernier Height gauge 0.02mm accuracy | **1** |  |  |  |  |  |
| 4. | Sine Bar | **2** |  |  |  |  |  |
| 5. | Slip Gauge | **2** |  |  |  |  |  |
| 6. | Inside Micrometer 0.01mm accuracy | **3** |  |  |  |  |  |
| 7. | Bevel protractor | **2** |  |  |  |  |  |
| 8. | Gear Tooth Vernier caliper | **2** |  |  |  |  |  |
| 9. | Thread Micrometer 0.01mm accuracy | **2** |  |  |  |  |  |
| 10. | Pitch gauge mm & inch set | **2 each** |  |  |  |  |  |
| 11. | Digital Micrometer 0.001mm accuracy | **2** |  |  |  |  |  |
| 12. | Vernier Depth gauge | **2** |  |  |  |  |  |
| 13. | Sample Specimen as required  |  |  |  |  |  |  |
| 14. | Magnetic stand with dial indicator | **6** |  |  |  |  |  |
| 15. | Straight edge | **2** |  |  |  |  |  |
| 16. | Squares | **2** |  |  |  |  |  |
| 17. | Split level | **6** |  |  |  |  |  |
| 18. | Test Mandrels for each machines | **Adeq.** |  |  |  |  |  |

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| **IV (G).** | **MECHANICAL - FOURTH SEMESTER – ELECTRICAL DRIVES AND CONTROL** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
|  | **ELECTRICAL LAB** |
| 1. | DC ammeter 0-5A  | **1 no** |  |  |  |  |  |
| 2. | DC ammeter 0-25A  | **1 no** |  |  |  |  |  |
| 3. | DC voltmeter 0-30V  | **1 no** |  |  |  |  |  |
| 4. | DC voltmeter 0-300V  | **1 no** |  |  |  |  |  |
| 5. | Rheostat 10.8 ,8.5A  | **1 no** |  |  |  |  |  |
| 6. | AC ammeter 0-5A  | **1 no** |  |  |  |  |  |
| 7. | AC ammeter 0-10A  | **2 nos** |  |  |  |  |  |
| 8. | AC voltmeter 0-50V  | **3 nos** |  |  |  |  |  |
| 9. | AC wattmeter 5A-10A (0-750W, 0-600V)  | **3 nos** |  |  |  |  |  |
| 10. | Loading rheostat 5A,230V  | **1 no** |  |  |  |  |  |
| 11. | Tachometer (Analog Type) 0-1000 rpm | **1 no** |  |  |  |  |  |
| 12. | Variac (Auto Transformer) 20A, 250V | **2 nos** |  |  |  |  |  |
| 13. | 3 point starter 20A, 220V  | **1 no** |  |  |  |  |  |
| 14. | Dol starter 16A, 415V  | **1 no** |  |  |  |  |  |
| 15. | Star /Delta starter 20A,600V | **1 no** |  |  |  |  |  |
| 16. | Over load relay 1 to 2.5A  | **1 no** |  |  |  |  |  |
| 17. | Air break contactors 20A, 220V | **4 nos** |  |  |  |  |  |
| 18. | Push button 2A ,220V  | **2 nos** |  |  |  |  |  |
| 19. | Limit switch 20A,220V  | **1 no** |  |  |  |  |  |
| 20. | MCB 20A single pole  | **1 no** |  |  |  |  |  |
| 21. | MCB 20A double pole  | **1 no** |  |  |  |  |  |
| 22. | ELCB 2pole 20A,100mA  | **1 no** |  |  |  |  |  |
| 23. | ELCB 4POLE 20A,100mA  | **1 no** |  |  |  |  |  |
|  | **ELECTRONICS LAB** |
| 1. | Transformer 230/ 9-0-9V, 1A | **4 nos** |  |  |  |  |  |
| 2. | Resistor 1 KΩ/ ½ W | **3 nos** |  |  |  |  |  |
| 3. | Capacitor 1000 μF/25V | **4 nos** |  |  |  |  |  |
| 4. | IC 7805 | **1 no** |  |  |  |  |  |
| 5. | Logic Gates IC 7400, 7408, 7432, 7404, 7402, 7486 | **each 1 no** |  |  |  |  |  |
| 6. | Stepper Motor Drive kit  | **1 no** |  |  |  |  |  |
| 7. | Servo Motor Drive Kit | **1 no** |  |  |  |  |  |
| 8. | SMPS Trainer Kit | **1 no** |  |  |  |  |  |
| 9. | UPS Trainer Kit | **1 no** |  |  |  |  |  |
| 10. | Inverter Kit  | **1 no** |  |  |  |  |  |
| 11. | Digital Multimeter | **1 no** |  |  |  |  |  |
| 12. | LED 7Segment Laser Diode | **1 each** |  |  |  |  |  |

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| **V. ELECTRICAL AND ELECTRONICS ENGINEERING** |
| **V (A).** | **EEE - THIRD SEMESTER – ELECTRICAL CIRCUITS AND MACHINES PRACTICAL**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | DC Shunt Motor 3 / 5 KW (or more) with loading arrangement | **1** |  |  |  |  |  |
| 2. | DC Series Motor 3 / 5 KW (or more) with loading arrangement | **1** |  |  |  |  |  |
| 3. | DC Compound Motor 3 / 5 KW (or more) with loading arrangement | **1** |  |  |  |  |  |
| 4. | DC Shunt Generator 3 / 5 KW (or more) coupled with Prime Mover | **1** |  |  |  |  |  |
| 5. | DC Series Generator 3 / 5 KW (or more) coupled with Prime Mover | **1** |  |  |  |  |  |
| 6. | 1 phase Transformer 1KVA (or more) 220V/110V | **3** |  |  |  |  |  |
| 7. | 3 phase Transformer 1 KVA (or more) 440V/220V | **1** |  |  |  |  |  |
| 8. | 1 phase Variac 15 Amps | **3** |  |  |  |  |  |
| 9. | 3 phase Variac 15 Amps | **1** |  |  |  |  |  |
| 10. | Loading Rheostat 220V, 30A, Single phase loading Rheostat | **2** |  |  |  |  |  |
| 11. | Tachometer Analog type | **2** |  |  |  |  |  |
| 12. | Tachometer Digital | **1** |  |  |  |  |  |
| 13. | 3 point / 4 point starter | **6** |  |  |  |  |  |
| 14. | Rheostat – various ranges 50Ω-100Ω,1300Ω-600Ω | **10** |  |  |  |  |  |
| 15. | DC Ammeter- various ranger 0-1,0-2,0-15,0-30 Amps | **10** |  |  |  |  |  |
| 16. | DC Voltmeter- various ranges 0-75V,0-150V, 0-300V,0-600V | **10** |  |  |  |  |  |
| 17. | Wattmeter-various ranges LPF 75/150/300/600 Volts | **2** |  |  |  |  |  |
| 18. | Wattmeter-various ranges UPF 75/150/300/600 Volts | **2** |  |  |  |  |  |

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| **V (B).** | **EEE - THIRD SEMESTER – ELECTRONIC DEVICES AND CIRCUITS PRACTICAL**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | DC Regulated power supply (0-30V, 1A) | **10** |  |  |  |  |  |
| 2. | High Voltage Power Supply (0-250V, 1A) | **2** |  |  |  |  |  |
| 3. | Signal Generator (1MHz) | **4** |  |  |  |  |  |
| 4. | Dual trace CRO (20 MHz / 30MHz) | **5** |  |  |  |  |  |
| 5. | Digital Multi meter | **10** |  |  |  |  |  |
| 6. | DC Voltmeter (Analog) (Different Range) | **15** |  |  |  |  |  |
| 7. | DC Ammeter (Analog) (Different Range) | **15** |  |  |  |  |  |

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| **V (C).** | **EEE - THIRD SEMESTER – WORKSHOP PRACTICAL**  |
|  | **LATHE AND WELDING** |
|  | **REFER SECTION IV (E). MECHANICAL – MANUFACTURING TECHNOLOGY - I** |

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| **V (D).** | **EEE - THIRD SEMESTER – COMPUTER APPLICATIONS PRACTICAL**  |
| **REFER SECTION II (A). GENERAL [COMMON LABORATORIES]** |

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| **V (E).** | **EEE - FOURTH SEMESTER – ELECTRICAL MACHINES AND INSTRUMENTATION** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Synchronous Motor 3 / 5 HP (or more) | **1** |  |  |  |  |  |
| 2. | 3 Phase Squirrel cage Induction motor 5 HP 440V/20A | **1** |  |  |  |  |  |
| 3. | 1 phase Induction motor 1 HP 230V/0.5A | **1** |  |  |  |  |  |
| 4. | 3 phase Slip ring Induction motor 5HP 440V/20A | **1** |  |  |  |  |  |
| 5. | AC Ammeter (0-2)A | **2** |  |  |  |  |  |
| 6. | AC Ammeter (0-15)A | **2** |  |  |  |  |  |
| 7. | AC Ammeter (0-10)A | **2** |  |  |  |  |  |
| 8. | AC Ammeter (0-5)A | **5** |  |  |  |  |  |
| 9. | DC Ammeter (0-2)A | **3** |  |  |  |  |  |
| 10. | AC Voltmeter (0-300)V | **3** |  |  |  |  |  |
| 11. | AC Voltmeter(0-600)V | **6** |  |  |  |  |  |
| 12. | Wattmeter (0-24)V,5A,10A | **3** |  |  |  |  |  |
| 13. | Wattmeter (0-60)V,5A,10A | **7** |  |  |  |  |  |
| 14. | Wattmeter (0-750)W wattmeter multi range 1500W-10A,3000W- | **1** |  |  |  |  |  |
| 15. | Wheatstone bridge | **2** |  |  |  |  |  |
| 16. | Anderson Bridge | **2** |  |  |  |  |  |
| 17. | Schering Bridge | **2** |  |  |  |  |  |
| 18. | 1 Phase Energy meter Calibration Induction Type | **1** |  |  |  |  |  |
| 19. | 3 Phase Energy meter Calibration Induction Type | **1** |  |  |  |  |  |
| 20. | Earth Resistance Kit | **2** |  |  |  |  |  |
| 21. | LVDT Kit to measure Displacement | **2** |  |  |  |  |  |
| 22. | Load Cell calibration various Load arrangement | **2** |  |  |  |  |  |
| 23. | Alternator 1 phase | **1** |  |  |  |  |  |
| 24. | Alternator 3 phase | **1** |  |  |  |  |  |
| 25. | Tachometer Analog type | **2** |  |  |  |  |  |
| 26. | Tachometer Digital | **1** |  |  |  |  |  |
| 27. | Synchroscope  | **1** |  |  |  |  |  |
| 28. | Frequency meter | **2** |  |  |  |  |  |
| 29. |  PF meter (paver factor meter) | **2** |  |  |  |  |  |
| 30. | Single phase R.S.S meter | **1** |  |  |  |  |  |
| 31. | 3 phase R.S.S meter | **1** |  |  |  |  |  |

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| **V (F).** | **EEE - IV SEMESTER - DIGITAL ELECTRONICS AND LINEAR INTEGRATED CIRCUITS** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. |  IC trainer Kits | **10** |  |  |  |  |  |
| 2. | Function Generator  | **2** |  |  |  |  |  |
| 3. | 0-30V power supply | **2** |  |  |  |  |  |
| 4. | 20MHz CRO | **2** |  |  |  |  |  |

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| **V (G).** | **EEE - FOURTH SEMESTER – COMMUNICATION AND LIFE SKILL PRACTICAL**  |
| **REFER SECTION II (B). GENERAL [COMMON LABORATORIES]** |

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| **VI. ELECTRONICS AND COMMUNICATION ENGINEERING** |
| **VI (A).** | **ECE - THIRD SEMESTER – ELECTRONIC DEVICES AND CIRCUITS PRACTICAL**  |
| **If the Institution is offering EEE Branch, the following details for ELECTRONIC DEVICES AND CIRCUITS Lab need not be provided. Otherwise, the Institution is requested to fill up the following details for ELECTRONIC DEVICES AND CIRCUITS Practical** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | DC Regulated power supply (0-30V, 1A) | **10** |  |  |  |  |  |
| 2. | High Voltage Power Supply (0-250V, 1A) | **2** |  |  |  |  |  |
| 3. | Signal Generator (1MHz) | **4** |  |  |  |  |  |
| 4. | Dual trace CRO (20 MHz / 30MHz) | **5** |  |  |  |  |  |
| 5. | Digital Multi meter | **10** |  |  |  |  |  |
| 6. | DC Voltmeter (Analog) (Different Range) | **15** |  |  |  |  |  |
| 7. | DC Ammeter (Analog) (Different Range) | **15** |  |  |  |  |  |

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| **VI (B).** | **ECE - THIRD SEMESTER – ELECTRICAL CIRCUITS AND INSTRUMENTATION** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Regulated power supply (0-30V, 1A) | **8** |  |  |  |  |  |
| 2. | Dual trace CRO (20MHz) | **4** |  |  |  |  |  |
| 3. | Signal Generator (1MHz) | **3** |  |  |  |  |  |
| 4. | Voltmeter (0 – 15 volts) | **8** |  |  |  |  |  |
| 5. | Ammeter (0 – 15 mA) | **6** |  |  |  |  |  |
| 6. | Digital Multi meter  | **4** |  |  |  |  |  |
| 7. | Ammeter (0 – 100 mA) | **8** |  |  |  |  |  |
| 8. | Galvanometer  | **1** |  |  |  |  |  |
| 9. | Decade resistance box  | **1** |  |  |  |  |  |

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| **VI (C).** | **ECE - THIRD SEMESTER – PROGRAMMING IN C** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Desktop Computers | **36 nos** |  |  |  |  |  |
| 2. | Laser Printer | **4 nos** |  |  |  |  |  |
| 3. | C – Compiler with Editor | **36 License** |  |  |  |  |  |

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| **VI (D).** | **ECE - THIRD SEMESTER – COMPUTER APPLICATIONS PRACTICAL**  |
| **REFER SECTION II (A). GENERAL [COMMON LABORATORIES]** |

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| **VI (E).** | **ECE - IV SEMESTER – INDUSTRIAL ELECTRONICS AND COMMUNICATION ENGG.**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Regulated power supply(0-30V) | **5** |  |  |  |  |  |
| 2. | Dual trace CRO | **2** |  |  |  |  |  |
| 3. | Signal Generator | **2** |  |  |  |  |  |
| 4. | PAM Kit | **1** |  |  |  |  |  |
| 5. | PWM Kit | **1** |  |  |  |  |  |
| 6. | PPM Kit | **1** |  |  |  |  |  |
| 7. | PCM Kit | **1** |  |  |  |  |  |
| 8. | PLC  | **2** |  |  |  |  |  |

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| **VI (F).** | **ECE - FOURTH SEMESTER – INTEGRATED CIRCUITS PRACTICAL**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. |  IC trainer Kits | **10** |  |  |  |  |  |
| 2. | Function Generator  | **2** |  |  |  |  |  |
| 3. | 0-30V power supply | **2** |  |  |  |  |  |
| 4. | 20MHz CRO | **2** |  |  |  |  |  |

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| **VI (G).** | **ECE - FOURTH SEMESTER – COMMUNICATION AND LIFE SKILL PRACTICAL**  |
| **REFER SECTION II (B). GENERAL [COMMON LABORATORIES]** |

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| **VII. COMPUTER ENGINEERING** |
| **VII (A).** | **COMPUTER ENGG. - THIRD SEMESTER – ELECTRICAL AND ELECTRONICS LAB** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Digital Multimeter | **6** |  |  |  |  |  |
| 2. | Ammeter (0-50) mA | **6** |  |  |  |  |  |
| 3. | Voltmeter (0-20) V, (0-1v) | **6 + 6** |  |  |  |  |  |
| 4. | Power supply 0-30V | **6** |  |  |  |  |  |
| 5. | Digital Trainer Kit | **6** |  |  |  |  |  |
| 6. | Bread Board | **6** |  |  |  |  |  |
| 7. | Fixed Dual Power Supply 0-15 V | **2** |  |  |  |  |  |
| 8. | Signal generator 1 MHz | **2** |  |  |  |  |  |
| 9. | CRO Dual Trace 30 MHz | **6** |  |  |  |  |  |
| 10. | Single Phase Transformer |  |  |  |  |  |  |
|  | **COMPONENTS** |
|  | Resistors (150Ω, 1KΩ, 2.2KΩ, 10KΩ, 2 20Ω) |  |  |  |  |  |  |
|  | Capacitor (10µF, 4.7µF) |  |  |  |  |  |  |
|  | PN Diode (IN4007) |  |  |  |  |  |  |
|  | Zener Diode (Z11.1) |  |  |  |  |  |  |
|  | Transistor (SL100, CL100) |  |  |  |  |  |  |
|  | IC7400, IC7402, IC7404, IC7408, IC7432, IC7486 |  |  |  |  |  |  |
|  | IC74161 (Counter) |  |  |  |  |  |  |
|  | IC74153 (MUX)  |  |  |  |  |  |  |
|  | IC74139 (DMUX) |  |  |  |  |  |  |
|  | IC7476 (Flip-Flop) |  |  |  |  |  |  |
|  | IC74194 (Shift Register) |  |  |  |  |  |  |

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| **VII (B).** | **COMPUTER ENGG. – THIRD SEMESTER – LINUX PRACTICAL**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Server [LINUX] | **1 No.** |  |  |  |  |  |
| 2. | Desktop Computers | **36 Nos** |  |  |  |  |  |
| 3. | Laser Printer | **4 Nos** |  |  |  |  |  |
| 4. | LINUX Server OS | **1 no** |  |  |  |  |  |
| 5. | Linux Client OS | **36 Nos** |  |  |  |  |  |

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| **VII (C).** | **COMPUTER ENGG. – THIRD SEMESTER – C PROGRAMMING PRACTICAL**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Desktop Computers | **36 Nos** |  |  |  |  |  |
| 2. | Laser Printer | **4 Nos** |  |  |  |  |  |
| 3. | C – Compiler with Editor | **36 License** |  |  |  |  |  |

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| **VII (D).** | **COMPUTER ENGG. – THIRD SEMESTER – COMPUTER APPLICATIONS PRACTICAL**  |
| **REFER SECTION II (A). GENERAL [COMMON LABORATORIES]** |

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| **VII (E).** | **COMPUTER ENGG. – FOURTH SEMESTER – JAVA PROGRAMMING PRACTICAL**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Desktop Computers | **36 Nos** |  |  |  |  |  |
| 2. | Laser Printer | **4 Nos** |  |  |  |  |  |
| 3. | JDK 1.3 or JDK 1.4 | **36 Nos** |  |  |  |  |  |

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| **VII (F).** | **COMPUTER ENGG. – FOURTH SEMESTER – DATA STRUCTURES USING C LAB** |
| **REFER SECTION VII (C). COMPUTER ENGG. – THIRD SEMESTER – C PROGRAMMING PRACTICAL**  |

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| **VII (G).** | **COMPUTER ENGG. – FOURTH SEMESTER – COMMUNICATION AND LIFE SKILL LAB** |
| **REFER SECTION II (B). GENERAL [COMMON LABORATORIES]** |

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| **VIII. INFORMATION TECHNOLOGY** |
| **VIII (A).** | **IT - THIRD SEMESTER – ELECTRICAL AND ELECTRONICS LAB** |
| **If the Institution is offering COMPUTER ENGG Branch, the following details for ELECTRICAL AND ELECTRONICS Lab need not be provided. Otherwise, the Institution is requested to fill up the following details for ELECTRICAL AND ELECTRONICS Lab.** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Digital Multimeter | **6** |  |  |  |  |  |
| 2. | Ammeter (0-50) mA | **6** |  |  |  |  |  |
| 3. | Voltmeter (0-20) V, (0-1v) | **6 + 6** |  |  |  |  |  |
| 4. | Power supply 0-30V | **6** |  |  |  |  |  |
| 5. | Digital Trainer Kit | **6** |  |  |  |  |  |
| 6. | Bread Board | **6** |  |  |  |  |  |
| 7. | Fixed Dual Power Supply 0-15 V | **2** |  |  |  |  |  |
| 8. | Signal generator 1 MHz | **2** |  |  |  |  |  |
| 9. | CRO Dual Trace 30 MHz | **6** |  |  |  |  |  |
| 10. | Single Phase Transformer |  |  |  |  |  |  |
|  | **COMPONENTS** |
|  | Resistors (150Ω, 1KΩ, 2.2KΩ, 10KΩ, 2 20Ω) |  |  |  |  |  |  |
|  | Capacitor (10µF, 4.7µF) |  |  |  |  |  |  |
|  | PN Diode (IN4007) |  |  |  |  |  |  |
|  | Zener Diode (Z11.1) |  |  |  |  |  |  |
|  | Transistor (SL100, CL100) |  |  |  |  |  |  |
|  | IC7400, IC7402, IC7404, IC7408, IC7432, IC7486 |  |  |  |  |  |  |
|  | IC74161 (Counter) |  |  |  |  |  |  |
|  | IC74153 (MUX)  |  |  |  |  |  |  |
|  | IC74139 (DMUX) |  |  |  |  |  |  |
|  | IC7476 (Flip-Flop) |  |  |  |  |  |  |
|  | IC74194 (Shift Register) |  |  |  |  |  |  |

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| **VIII (B).** | **IT – THIRD SEMESTER – LINUX PRACTICAL**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Server [LINUX] | **1 No.** |  |  |  |  |  |
| 2. | Desktop Computers | **36 Nos** |  |  |  |  |  |
| 3. | Laser Printer | **4 Nos** |  |  |  |  |  |
| 4. | LINUX Server OS | **1 no** |  |  |  |  |  |
| 5. | Linux Client OS | **36 Nos** |  |  |  |  |  |

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| **VIII (C).** | **IT – THIRD SEMESTER – C PROGRAMMING PRACTICAL**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Desktop Computers | **36 Nos** |  |  |  |  |  |
| 2. | Laser Printer | **4 Nos** |  |  |  |  |  |
| 3. | C – Compiler with Editor | **36 License** |  |  |  |  |  |

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| **VIII (D).** | **IT – THIRD SEMESTER – COMPUTER APPLICATIONS PRACTICAL**  |
| **REFER SECTION II (A). GENERAL [COMMON LABORATORIES]** |

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| **VIII (E).** | **IT – FOURTH SEMESTER – JAVA PROGRAMMING PRACTICAL**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Desktop Computers | **36 Nos** |  |  |  |  |  |
| 2. | Laser Printer | **4 Nos** |  |  |  |  |  |
| 3. | JDK 1.3 or JDK 1.4 | **36 Nos** |  |  |  |  |  |

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| **VIII (F).** | **IT – FOURTH SEMESTER – DATA STRUCTURES USING C LAB** |
| **REFER SECTION VIII (C). IT – THIRD SEMESTER – C PROGRAMMING PRACTICAL** |

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| **VIII (G).** | **IT – FOURTH SEMESTER – COMMUNICATION AND LIFE SKILL LAB** |
| **REFER SECTION II (B). GENERAL [COMMON LABORATORIES]** |

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| **IX. AUTOMOBILE ENGINEERING** |
| **IX (A).** | **AUTOMOBILE - THIRD SEMESTER – MECHANICAL TESTING & QUALITY CONTROL**  |
| **If the Institution is offering MECHANICAL ENGG Branch, the following details for MECHANICAL TESTING & QUALITY CONTROL Lab need not be provided. Otherwise, the Institution is requested to fill up the following details for MECHANICAL TESTING & QUALITY CONTROL Lab.** |
| S.No | List of Equipments | Quantity Required (in Nos) | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | UTM | **1**  |  |  |  |  |  |
| 2. | Rockwell’s Hardness Testing Machine | **1** |  |  |  |  |  |
| 3. | Torsion testing machine | **1** |  |  |  |  |  |
| 4. | Deflection testing arrangement | **1** |  |  |  |  |  |
| 5. | Impact testing machine | **1** |  |  |  |  |  |
| 6. | Tension testing arrangements | **1** |  |  |  |  |  |
| 7. | Shear testing machine | **1** |  |  |  |  |  |
| 8. | Vernier calliper | **2**  |  |  |  |  |  |
| 9. | Metallurgical Microscope  | **6** |  |  |  |  |  |
| 10. | Sample Specimen for ferrous & non- ferrous (Identification)  | **6 EACH** |  |  |  |  |  |
| 11. | For LPT1. Die
2. Cleaner
3. Developer
 | **2 no’s****4 no’s****4 no’s** |  |  |  |  |  |
| 12. | Magnetic particle test equipment | **2 no’s** |  |  |  |  |  |
| 13. | Belt polishing machine | **1** |  |  |  |  |  |
| 14. | Lapping machine | **1** |  |  |  |  |  |
| 15. | Sample Specimen | **10 no’s** |  |  |  |  |  |

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| **IX (B).** | **AUTOMOBILE - THIRD SEMESTER – AUTOMOBILE CHASSIS AND TRANSMISSION** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Valcanizing kit | **2 nos** |  |  |  |  |  |
| 2. | Four Wheel alignment kit | **1 no** |  |  |  |  |  |
| 3. | Wheel balancing device | **1 no** |  |  |  |  |  |
| 4. | Mechanical / Hydraulic Press | **1 no** |  |  |  |  |  |
| 5. | Hydraulic brake system fixed in the frame | **1 no** |  |  |  |  |  |
| 6. | Screw jack / Hydraulic jack  | **2 nos** |  |  |  |  |  |
| 7. | Hoist | **2 nos** |  |  |  |  |  |
| 8. | Trolley | **2 nos** |  |  |  |  |  |
| 9. | Spanners & Tools | **6 sets** |  |  |  |  |  |

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| **IX (C).** | **AUTOMOBILE -THIRD SEMESTER – COMPUTER APPLICATIONS PRACTICAL**  |
| **REFER SECTION II (A). GENERAL [COMMON LABORATORIES]** |

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| **IX (D).** | **AUTOMOBILE - FOURTH SEMESTER – COMPUTER AIDED MACHINE DRAWING** |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Personal computer (With latest processor to suit Auto CAD) | **30 Nos** |  |  |  |  |  |
| 2. | MS Windows OS | **30 Nos**  |  |  |  |  |  |
| 3. | AutoCAD software (release 2000 or above) | **30 users** |  |  |  |  |  |

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| **IX (E).** | **AUTOMOBILE - FOURTH SEMESTER – MANUFACTURING TECHNOLOGY - I LAB** |
| **REFER SECTION IV (E). MECHANICAL – IV SEM. – MANUFACTURING TECHNOLOGY-I** |

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| **IX (F).** | **AUTOMOBILE - FOURTH SEMESTER – HEAT POWER ENGINEERING PRACTICAL**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Model for Port timing diagram / Valve timing diagram | **Each 1 no** |  |  |  |  |  |
| 2. | Open cup apparatus and Closed cup apparatus | **Each 1 no** |  |  |  |  |  |
| 3. | Say bolt viscometer | **1 no** |  |  |  |  |  |
| 4. | Red wood viscometer | **1 no** |  |  |  |  |  |
| 5. | Bomb Calorimeter  | **1 no** |  |  |  |  |  |
| 6. | Petrol engine test rig to conduct load test | **1 no** |  |  |  |  |  |
| 7. | Diesel engine test rig to conduct load test | **1 no** |  |  |  |  |  |
| 8. | Multi cylinder Petrol or Diesel engine. |  |  |  |  |  |  |
| 9. | Petrol / Diesel Engine test rig to find heat balance sheet.  | **1 no** |  |  |  |  |  |
| 10. | Exhaust gas analyzer. | **1 no** |  |  |  |  |  |
| 11. | Smoke meter. | **1 no** |  |  |  |  |  |

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| **IX (G).** | **AUTOMOBILE - FOURTH SEMESTER – INDUSTRIAL AUTOMATION PRACTICAL**  |
| S.No | List of Equipments | Quantity Required | Quantity Available | Adequate or Not | If Not, Whether Order has been placed? | If YES, Purchase Order details | Remarks |
| 1. | Pneumatic trainer kit  | **2 nos** |  |  |  |  |  |
| 2. | Air compressor | **1 no** |  |  |  |  |  |
| 3. | Hydraulic trainer kit with hydraulic power pack | **2 nos** |  |  |  |  |  |
| 4. | Programmable logic controller | **2 nos** |  |  |  |  |  |
| 5. | Boards to fix the component | **Min.** **6 nos** |  |  |  |  |  |
| 6. | Sufficient Pneumatic and Hydraulic components. |  |  |  |  |  |  |