Mandatory Disclosure

| AICT | E FILE No.& Approval Date | F.No.Southern/1-9317613598 / 2021/ EOA & 10/07/2021 |
|------|---------------------------------------|---|
| | Name of the Institution | Karpagam Institute of Technology |
| | Address of the Institution | S.F.No.247, 248, L & T Bypass Road, Seerapalayam, Bodipalayam Post, Coimbatore |
| | City & PIN Code | Coimbatore – 641105 |
| | State | Tamil Nadu |
| 1 | Phone Number with STD code | 0422 - 3502440 |
| | FAX number with STD code | 0422 - 2980022 |
| | Mobile No | 9486730631 |
| | E-Mail | principalkit@gmail.com |
| | Website | www.karpagamtech.ac.in |
| | Name and address of the trust | Karpagam Charity Trust, No.14a, LIC Colony, SIDCO Industrial Estate, Coimbatore |
| 2 | Address of the organization | Karpagam Institutions, Eachanari Post, Pollachi Main Road, Coimbatore 641 021 |
| 2 | Phone Number with STD code | 0422 - 2980014 |
| | FAX number with STD code | 0422 - 2980022 |
| | Mobile No | 9443325669 |
| | Website of the organization | www.karpagam.edu.in |
| | Name of Principal | Dr. Manimaran P |
| | Exact Designation | Principal |
| 2 | Phone number with STD code | 0422 - 3502440 |
| 5 | FAX number with STD code | 0422 - 2980022 |
| 2 | Mobile No. | 9486730631 |
| | Email | drpmanimaran@gmail.com |
| 4 | Name of the affiliating University | Anna University |
| 7 | Address | Sardar Patel Road, Guindy, Chennai - 600 025 |

5. Governance

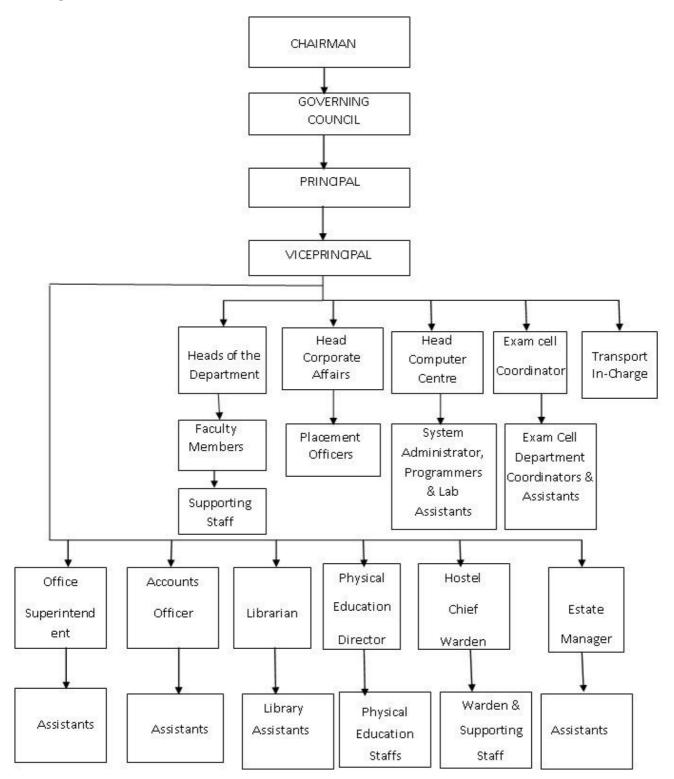
5.1 Governing Council

| 1. | Chairman | Dr.R.Vasanthakumar 14A, LIC Colony. SIDCO Industries Estate, Coimbatore - 641021 |
|-----|-------------------------------------|--|
| 2. | Member (Trust Nominee) | Mrs.V.Damayanthi 14A, LIC Colony. SIDCO Industries Estate, Coimbatore - 641021 |
| 3. | Member (Trust Nominee) | Mr.V.Karthick 14A, LIC Colony. SIDCO Industries Estate, Coimbatore - 641021 |
| 4. | Member (Trust Nominee) | Mr.K.Murugaiah New No.1056, LIC Colony, SIDCO Industries Estate, Coimbatore - 641021 |
| 5. | Member (Industrial Expert) | Mr.G.Subburaj 5A-1, 4th Street, Chinthamani Nagar, Saibaba Colony, K.K.Pudur, Coimbatore, Tamil Nadu – 641018 |
| 6. | Member (Anna University Nominee) | Dr.S.Usa New No.3, Old No.14, Sachidhanandha nagar II Cross Street, Seshadripuram Velachery, Chennai – 42 |
| 7. | Member (AICTE Nominee) | Southern Regional Officer AICTE – Southern Regional Office, 'Shastri Bhavan', 26, Haddows Road, Nungambakkam, Chennai – 600 006 |
| 8. | Member (DOTE Nominee) | Dr.V.Geetha Professor, Government College of Engineering - Salem, Bangalore Highways, Salem, Tamil Nadu-636 011. |
| 9. | Member (Faculty) | Dr.V.J.Arulkarthick, Professor/ECE, Karpagam Institute of Technology. |
| 10. | Member (Faculty) | Dr.S.Padmanaban, Professor/S&H, Karpagam Institute of Technology. |
| 11. | Member (Trust - Nominee) | Dr.D.Bhanu, Viceprincipal, Karpagam Institute of Technology. |
| 12. | Member Secretary | Dr.P.Manimaran, Principal, Karpagam Institute of Technology. |

5.2 Planning and Monitoring Board

| S. No | Name | Designation | | | | |
|-------|----------------------|---|--|--|--|--|
| | CONVENOR | | | | | |
| 1 | Dr.P.Manimaran | Principal | | | | |
| | MEMBERS | | | | | |
| 2 | Dr.D.Bhanu | Vice Principal | | | | |
| 3 | Dr.S.Gopinath | Professor / Electronics and Communication Engineering | | | | |
| 4 | Dr.S.Padmanaban | Professor / S&H | | | | |
| 5 | Mr.G.Subburaj | Managing Director- Industry Expert iRepute Pvt Ltd., Coimbatore. | | | | |
| 6 | Er.G.R.Vijayashankar | Civil Engineer- Representing Professional Service | | | | |

5.3 Organizational Chart and Processes



5.4 Nature and Extent of Involvement of Faculty and Students in Academic Affairs / Improvements

To improve the quality and standard of the education in the institution, following councils / committees have been formed by including various stakeholders.

- 1. Governing Council
- 2. Internal Quality Assurance Cell
- 3. Department Advisory Committees

5.5 Mechanism / Norms and Procedure for Democratic / Good Governance

The Institution has the following mechanism for good governance

- o Academic Calendar / Academic Schedule
- o Planned Academic Process and Documentation Procedure
- Accounts and Financial Procedure
- Staff Attendance Biometric
- o Library Management Information System
- Daily Attendance Report (Student)
- Mentor Mentee Records
- o Evaluation and Assessment procedures

5.6 Student Feedback on Institutional Governance / Faculty performance

Online feedback from the students about the performance of the teachers is taken twice in every semester and consolidated report is prepared for analysis and communicated to the staff concerned with relevant remarks. Similarly, feedbacks on facilities are collected from students during their course of study and also at the end of their course.

5.7 Grievance Redressal mechanism for Faculty and Students

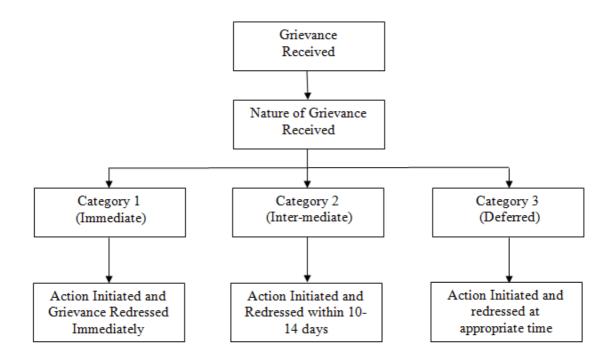
Grievance Redressal committee for Faculty members and Students is available. The constitution of the committee is given below.

| S. No. | Name | Category | Designation |
|--------|---------------------|----------|-----------------------------------|
| 1 | Dr.A.Saiyathibrahim | Convener | Associate Professor & Head / Mech |
| 2 | Dr.S.Padmanaban | Member | Professor & Head / S & H |
| 3 | Dr.N.Suma | Member | Professor / ECE |
| 4 | Ms.D.Anitha | Member | Associate Professor / S & H |
| 5 | Mr.S.N.Vijayan | Member | Deputy Warden |
| 6 | Dr.S.Thenmozhi | Member | Deputy Warden |

5.8 Establishment of Anti Ragging Committee

| S.No. | Name | Position | Category | Mobile Number | E-Mail D |
|-------|-------------------------|----------|--|------------------|-----------------------------------|
| 1 | Dr.P.Manimaran | Chairman | Principal | 9486730631 | principalkit@gmail.com |
| 2 | Mr.S.Murugesan | Member | Police Inspector | 9443881000 | madukarai_pc@yahoo.in |
| 3 | Ms.S.Neela | Member | Revenue Officer | 9994203038 | drotncbe@nic.in |
| 4 | Mr.A.S.Sankaranarayanan | Member | Official of NGO | 9443385107 | info@nmctngo.org |
| 5 | Mr.P.Sreenivasan | Member | Representatives of Parent | 9942512244 | pradeepasri2000@gmail.com |
| 6 | Ms.S.Karthikeyani | Member | Representatives of Student | 6379543169 | karthibabu1001@gmail.com |
| 7 | Ms.S.Pradeepa | Member | Representatives of Student | 9942512244 | pradeepasri2000@gmail.com |
| 8 | Mr.V.Suresh | Member | Representatives of Non- Teaching | 9944350635 | systemadmin@karpagamtech.ac.in |
| 9 | Dr.S.Padmanaban | Member | Representatives of Teaching | 8428211211 | padmanaban.mat@karpagamtech.ac.in |

5.9 Establishment of Online Grievance Redressal Mechanism



5.10 Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University

| S. No. | Name of the member | Designation |
|--------|---------------------|-----------------------------------|
| 1 | Dr.P.Manimaran | Principal |
| 2 | Dr.V.J.Arulkarthick | Professor / ECE |
| 3 | Dr.S.Gopinath | Professor & Head / ECE |
| 4 | Dr.S.Padmanaban | Professor & Head / S&H |
| 5 | Dr.T.Manojkumar | Placement Training Officer |
| 6 | Dr.K.Muthukumar | Associate Professor & Head / EEE |
| 7 | Dr.A.Saiyathibrahim | Associate Professor & Head / Mech |

| S. No. | Name | Position | Category | Mobile Number | E-Mail D |
|-----------|-------------------------|-------------|--|------------------|--------------------------------|
| 1 | Dr.D.Bhanu | Chairperson | Vice Principal | 9952717507 | bhanu.saran@gmail.com |
| 2 | Mr.P.N.Ramesh | Member | Assistant Professor | 9952294298 | letters4ramesh@gmail.com |
| 3 | Ms.A.Lathamaragatham | Member | Assistant Professor | 9976069610 | latha.phy@karpagamtech.ac.in |
| 4 | Mr.P.Lakshminarayanan | Member | Representatives of Non- Teaching | 9042272708 | pln@karpagamtech.ac.in |
| 5 | Mr.V.Suresh | Member | Representatives of Non- Teaching | 9944350635 | systemadmin@karpagamtech.ac.in |
| 6 | Mr.P.Sreenivasan | Member | Representatives of Parent | 9942512244 | pradeepasri2000@gmail.com |
| 7 | Ms.Pradeepa | Member | Representatives of Student | 9942512244 | pradeepasri2000@gmail.com |
| 8 | Ms.M.Swathilakshmi | Member | Representatives of Student | 7397013334 | swathi_lakshmi2000@gmail.com |
| 9 | Mr.A.S.Sankaranarayanan | Member | Official of NGO | 9443385107 | info@nmctngo.org |

5.11 Establishment of Internal Complaint Committee (ICC)

5.12 Establishment of Committee for SC/ ST

Scheduled Castes (SC) and Scheduled Tribes (ST) have been identified as the two most backward groups of Indian Society. They include all the castes, races or tribes, which have been socially, economically and educationally backward. The cell has been established to support and to bring students from such communities in the main stream. The SC/ST cell of the college was started with the purpose to empower the SC/ST students in the college. The college takes special interest in facilitating financial support to students from these communities from government agencies and other sources. They are also encouraged to enrol for career orientation programs, which would equip them with the necessary skills to choose a career option.

| S.No. | Name | Designation |
|-------|----------------------|----------------------------|
| 1 | Mr.S.N.Vijayan | Assistant Professor / Mech |
| 2 | Dr.P.Mayil Vel Kumar | Associate Professor / CSE |
| 3 | Dr.S.Gopinath | Professor / ECE |
| 4 | Dr.K.Muthukumar | Associate Professor / EEE |
| 5 | Dr.C.Vimalarani | Associate Professor / IT |
| 6 | Dr.A.Saiyathibrahim | Associate Professor / Mech |

5.13 Internal Quality Assurance Cell

IQAC functions under the guidance of the Management and Principal. IQAC ensures the effective implementation of quality initiatives through continuous reviews and periodic meetings. The following activities are periodically reviewed

- Academic schedule planning.
- Monitoring and conducting CIA and University Exams.
- Needs for the department & budget.
- Hosting the activities of the Department and institute in website.
- Establishment of Industrial Links.
- Training and Placement offered and maintaining Placement Data base.
- Scholarship availed and admission strategies.

| Sl. No | Composition Criteria Specified by NAAC | No. of Members | Members | Designation |
|--------|--|-------------------|---|---|
| 1. | Chairperson – Head of the Institution | 1 | Dr.P.Manimaran | Principal |
| 2. | One member from the Management | 1 | Shri.V.Karthick | Trustee |
| 3. | A few senior Administrative Officers 2 | | Dr.D.Bhanu Dr.V.J.Arulkarthick | Vice Principal Professor/ECE |
| 4. | One of the Senior Teachers as the Coordinator of the IQAC | Mr M Murugesan | | Assistant Professor/EEE |
| 5. | Faculty | 3 | Dr.A.Saiythibrahim Mr.V.Dinesh babu Mr.P.N.Ramesh | Associate Professor/MECH Assistant Professor/IT Assistant Professor/CSE |
| 6. | One/Two Nominees from Alumni/Local Society/Student | 1 | Mr.A.Anish Antony | Alumni 2014 passed out- B.E ECE Managing Director Yahel Tech Coimbatore |
| | Society/Student | 1 | Selvi.S Karthikeyani | Student Final Year B.Tech-IT (721218205009) |
| 7. | One/Two Nominees from Employers/Industrialists /Stakeholders | 1 | Mr.G.Subburaj | Industrialists Principal Consultant Repute technologies Coimbatore |

6. Programmes

6.1 Name of the Programmes Approved by AICTE

Under Graduate Programmes

- B.E. Computer Science & Engineering
- B.E. Electronics & Communication Engineering
- B.E. Electrical & Electronics Engineering
- B.E. Mechanical Engineering
- B.Tech. Information Technology
- B.Tech. Artificial Intelligence and Data Science

6.2 Name of the Programmes Accredited by AICTE (NBA)

> Nil

6.3 Status of Accreditation of the courses

- 6.3.1 Total number of courses 06 Courses
- 6.3.2 Number of courses applied for Accreditation 03 Courses
- 6.3.3 Status of Accreditation Applied

| Sl. No | Name of the Course | Accreditation Status | Accreditation letter Reference No. Date | | |
|-----------|---|------------------------|--|--|--|
| | | | | | |
| 1 | B.E. Computer Science and Engineering | Pre Qualifier Approved | 6487 - 06/02/2022 | | |
| 2 | B.E. Electronics & Communication Engineering | Pre Qualifier Approved | 6487 - 06/02/2022 | | |
| 3 | B.Tech. Information Technology | Pre Qualifier Approved | 6487 - 06/02/2022 | | |

| Name of | No of | | Academic Year | Cut off | OC | BC | MBC | SC / | Fee | |
|------------|-------|-----------------|------------------|---------|--------|--------|--------|--------|-------|-------|
| the Dept | Seats | | | Marks | UC | ЪС | MIDC | ST | GQ | MQ |
| B.E.CSE | 63 | 4 Years | 2021-22 | Max | 188.50 | 179.50 | 178.50 | 173.50 | 50000 | 90000 |
| D.E.CSE | 03 | 4 1 cars | 2021-22 | Min | 179.50 | 171.00 | 172.50 | 164.50 | 50000 | 90000 |
| B.E.ECE | 126 | 4 Years | 2021-22 | Max | 186.50 | 173.00 | 177.53 | 172.50 | 50000 | 90000 |
| D.E.ECE | 120 | 4 1 cars | 2021-22 | Min | 173.00 | 158.50 | 107.50 | 153.00 | | 90000 |
| B.E.EEE | 57 | 4 Years | Years 2021-22 | Max | 174.00 | 168.50 | 167.00 | 167.00 | 50000 | 90000 |
| D.E.EEE | 57 | | | Min | 169.00 | 154.00 | 154.50 | 132.00 | | |
| B.E. | 50 | 4 Years | ars 2021-22 | Max | 173.00 | 159.50 | 159.50 | 159.00 | 50000 | 90000 |
| MECH | 50 | 4 rears 2021-22 | Min | 162.00 | 135.50 | 136.00 | 139.00 | 50000 | 20000 | |
| B.Tech.IT | 63 | 4 Years | 2021-22 | Max | 185.50 | 179.50 | 179.50 | 180.50 | 50000 | 90000 |
| D. Iech.II | 05 | 4 Tears | | Min | 180.50 | 168.50 | 145.50 | 145.00 | 50000 | 70000 |
| B.Tech. | 62 | 62 4 Years | 2021-22 | Max | 184.50 | 178.50 | 177.00 | 176.50 | 50000 | 90000 |
| AI&DS | 02 | - 1 Cars | | Min | 178.50 | 143.00 | 170.50 | 163.00 | 50000 | 20000 |

6.4. For each Programme the following details are to be given

6.5 Campus Placement in Last Three Years with Minimum Salary, Maximum Salary and Average Salary

| Name | No of | Campus Placement in last three years with Minimum Salary, Maximum Salary and Average Salary in LPA | | | | | | | | | |
|----------------|----------------------|---|------|------|-----------|------|------|-----------|------|------|--|
| of the Dept | Companies Visited | 2020 - 21 | | | 2019 - 20 | | | 2018 – 19 | | | |
| | | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | |
| CSE | 85 | 6.00 | 2.40 | 3.00 | 5.00 | 2.50 | 2.75 | 4.00 | 2.25 | 2.60 | |
| IT | 85 | 5.00 | 2.40 | 2.80 | 4.25 | 2.50 | 2.60 | 3.60 | 2.25 | 2.50 | |
| ECE | 71 | 4.00 | 2.40 | 2.75 | 4.00 | 2.25 | 2.50 | 3.60 | 2.20 | 2.40 | |
| EEE | 36 | 4.00 | 2.28 | 2.35 | 4.00 | 2.16 | 2.25 | 3.30 | 2.16 | 2.14 | |
| MECH | 44 | 4.00 | 2.28 | 2.45 | 7.30 | 2.16 | 2.30 | 3.30 | 2.16 | 2.28 | |

7. Faculty

Branch wise list Faculty members

| Sl. No | Name of the Faculty Designation | | Qualification | | |
|---|---------------------------------|------------------------|---------------|--|--|
| COMPUTER SCIENCE AND ENGINEERING | | | | | |
| 1 | Dr.A.Sabanayagam | Professor | Ph.D. | | |
| 2 | Dr.S.Sharavanan | Professor | Ph.D. | | |
| 3 | Dr.R.Manikandan | Professor | Ph.D. | | |
| 4 | Dr.P.Mayil Vel Kumar | Associate Professor | Ph.D. | | |
| 5 | Mrs.K.Kalaiselvi | Assistant Professor | M.E. | | |
| 6 | Mr.P.N.Ramesh | Assistant Professor | M.E. | | |
| 7 | Mrs.S.Bhuvaneshwari | Assistant Professor | M.E. | | |
| 8 | Mr.C.Karthikeyan | Assistant Professor | M.E. | | |
| 9 | Mr.P.N.Vaitheeswaran | Assistant Professor | M.E. | | |
| 10 | Ms.L.Nithya | Assistant Professor | M.E. | | |
| 11 | Mrs.C.Kalpana | Assistant Professor | M.E. | | |
| 12 | Mrs.N.Suganya | Assistant Professor | M.E. | | |
| 13 | Mr.K.Sriramkumar | Assistant Professor | M.E. | | |
| 14 | Mr.P.Vigneshkumar | Assistant Professor | M.E. | | |

| Sl. No | Name of the Faculty | Designation | Qualification | | | |
|-----------|---|-------------|---------------|--|--|--|
| F | ELECTRONICS AND COMMUNICATION ENGINEERING | | | | | |
| 1 | Dr.V.J.Arulkarthick | Professor | Ph.D. | | | |
| 2 | Dr.N.Suma | Professor | Ph.D. | | | |

| 3 | Dr.S.Gopinath | Professor | Ph.D. | |
|----|--------------------------|------------------------|-------|--|
| 4 | Dr.M.S.Gowtham | Associate Professor | Ph.D. | |
| 5 | Dr.S.Syedjamaesha | Associate Professor | Ph.D. | |
| 6 | Dr.T.Manojkumar | Associate Professor | Ph.D. | |
| 7 | Mrs.H.Indrapriyadarshini | Assistant Professor | M.E. | |
| 8 | Mr.A.Manikandan | Assistant Professor | M.E. | |
| 9 | Mr.A.G.Paranthaman | Assistant Professor | M.E. | |
| 10 | Mrs.C.Nivedityaa | Assistant Professor | M.E. | |
| 11 | Mr.K.Ashokkumar | Assistant Professor | M.E. | |
| 12 | Ms.S.Madhumitha | Assistant Professor | M.E. | |
| 13 | Mr.K.Arun | Assistant Professor | M.E. | |
| 14 | Mr.S.Selvasivasankar | Assistant Professor | M.E. | |
| 15 | Mr.E.Veeraboopathy | Assistant Professor | M.E. | |
| 16 | Mr.S.Pragadeswaran | Assistant Professor | M.E. | |
| 17 | Mrs.B.Divyapreethi | Assistant Professor | M.E. | |
| 18 | Mrs.S.Pavithra | Assistant Professor | M.E. | |
| 19 | Ms.S.Gayathri | Assistant Professor | M.E. | |
| 20 | Mr.S.Jeniton | Assistant Professor | M.E. | |
| 21 | Mrs.M.Aiswarya | Assistant Professor | M.E. | |

| Sl. No | Name of the Faculty | Designation | Qualification | | |
|-----------|--|------------------------|---------------|--|--|
| | ELECTRICAL AND ELECTRONICS ENGINEERING | | | | |
| 1 | Dr.M.Jayaprakash | Professor | Ph.D. | | |
| 2 | Dr.A.Rajendran | Associate Professor | Ph.D. | | |
| 3 | Dr.K.Muthukumar | Associate Professor | Ph.D. | | |
| 4 | Mr.M.Nagarajan | Assistant Professor | M.E. | | |
| 5 | Mr.M.Murugesan | Assistant Professor | M.E. | | |
| 6 | Ms.R.Felshiya Rajakumari | Assistant Professor | M.E. | | |
| 7 | Mrs.R.Radha | Assistant Professor | M.E. | | |
| 8 | Mr.K.Sabareeshwaran | Assistant Professor | M.E. | | |
| 9 | Mr.M.Gunasekaran | Assistant Professor | M.E. | | |
| 10 | Mrs.R.Preetha | Assistant Professor | M.E. | | |

| Sl. No | Name of the Faculty | Designation | Qualification | | | |
|-----------|------------------------|------------------------|---------------|--|--|--|
| | MECHANICAL ENGINEERING | | | | | |
| 1 | Dr.S.Krishnakumar | Professor | Ph.D. | | | |
| 2 | Dr.P.Manimaran | Professor | Ph.D. | | | |
| 3 | Dr.S.Goshteeswaran | Associate Professor | Ph.D. | | | |
| 4 | Dr.A.Saiyathibrahim | Associate Professor | Ph.D. | | | |
| 5 | Dr.P.Pitchandi | Associate Professor | Ph.D. | | | |
| 6 | Mr.S.N.Vijayan | Assistant Professor | M.E. | | | |
| 7 | Mr.K.P.Harshawardhan | Assistant Professor | M.E. | | | |
| 8 | Mr.P.Prakash | Assistant Professor | M.E. | | | |

| 9 | Mr.R.Rameshbabu | Assistant Professor | M.E. | |
|----|--------------------------|------------------------|------|--|
| 10 | Ms.S.Karthika | Assistant Professor | M.E. | |
| 11 | Mr.S.Praveendhanapal | Assistant Professor | M.E. | |
| 12 | Mr.B.Manup | Assistant Professor | M.E. | |
| 13 | Mr.M.Pradeep | Assistant Professor | M.E. | |
| 14 | Mr.A.Infant Jegan Rakesh | Assistant Professor | M.E. | |
| 15 | Mr.P.Thangapandian | Assistant Professor | M.E. | |
| 16 | Mr.R.Muralikrishnan | Assistant Professor | M.E. | |
| 17 | Mr.R.Kathiravan | Assistant Professor | M.E. | |

| Sl. | Name of the Feeulty Designation | | | | | |
|-----|---------------------------------|------------------------|---------------|--|--|--|
| No | Name of the Faculty | Designation | Qualification | | | |
| | INFORMATION TECHNOLOGY | | | | | |
| 1 | Dr.D.Bhanu | Professor | Ph.D. | | | |
| 2 | Dr.B.Chella Prabha | Professor | Ph.D. | | | |
| 3 | Dr.C.Vimalarani | Associate Professor | Ph.D. | | | |
| 4 | Dr.A.Christopher Paul | Associate Professor | Ph.D. | | | |
| 5 | Mr.V.Dineshbabu | Assistant Professor | M.E. | | | |
| 6 | Ms.T.Yawanikha | Assistant Professor | M.E. | | | |
| 7 | Mr.B.Madusudhanan | Assistant Professor | M.E. | | | |
| 8 | Mr.Shyamprakash | Assistant Professor | M.E. | | | |
| 9 | Mr.V.Arulkumar | Assistant Professor | M.E. | | | |
| 10 | Ms.A.Mahalakshmi | Assistant Professor | M.E. | | | |
| 11 | Mrs.M.Sudha | Assistant Professor | M.E. | | | |
| 12 | Mr.M.Naga Suresh | Assistant Professor | M.E. | | | |

| Sl. No | Name of the Faculty Designation | | Qualification | | | |
|-----------|---|-----------|---------------|--|--|--|
| | ARTIFICIAL INTELLIEGENCE AND DATA SCIENCE | | | | | |
| 1 | Dr.M.Babu | Associate | Ph.D. | | | |
| 1 | Dinibuou | Professor | 1 11.12 . | | | |
| 2 | Mr.J.Santhosh | Assistant | M.E. | | | |
| 2 | | Professor | | | | |
| 3 | Mr M Vignach | Assistant | M.E. | | | |
| 5 | Mr.M.Vignesh | Professor | IVI.E. | | | |
| 4 | Ms.N.Manjubashini | Assistant | МЕ | | | |
| 4 | | Professor | M.E. | | | |

| Sl. No | Name of the Faculty | Designation | Qualification | | | |
|-----------|------------------------|------------------------|---------------|--|--|--|
| | SCIENCE AND HUMANITIES | | | | | |
| 1 | Dr.S.Padmanaban | Professor | Ph.D. | | | |
| 2 | Ms.J.Logeswari | Assistant Professor | M.Phil. | | | |
| 3 | Ms.S.Sharmilabanu | Assistant Professor | M.Phil. | | | |
| 4 | Ms.C.Banupriya | Assistant Professor | M.Phil. | | | |
| 5 | Dr.T.Nandhini | Assistant Professor | Ph.D. | | | |
| 6 | Dr.S.Thenmozhi | Assistant Professor | Ph.D. | | | |
| 7 | Ms.N.Kasthuri | Assistant Professor | M.Phil. | | | |
| 8 | Ms.A.R.Sweatha | Assistant Professor | M.Phil. | | | |
| 9 | MS.A.Vinitha | Assistant Professor | M.Phil. | | | |
| 10 | Ms S.Kokila | Assistant Professor | M.Phil. | | | |
| 11 | Dr.C.K.Kumar | Assistant Professor | Ph.D | | | |
| 12 | Ms D.Anitha | Assistant Professor | M.Phil. | | | |
| 13 | Dr.M.Petchiammal | Assistant Professor | Ph.D. | | | |
| 14 | Mrs.O.A.Sridevi | Assistant Professor | M.Phil. | | | |

| | | Assistant | | |
|-----|------------------------|-----------|-------------|--|
| 15 | Ms.Jayanthi | Professor | M.Phil. | |
| 1.5 | Ms.A.Lathamaragatham | Assistant | | |
| 16 | | Professor | M.Phil. | |
| 17 | | Assistant | | |
| 17 | Dr.P.Vidhya | Professor | Ph.D | |
| 18 | Dr.C.A.muthamhigai | Assistant | Dh D | |
| 18 | Dr.C.Amuthambigai | Professor | Ph.D | |
| 19 | Ms.R.Radhika | Assistant | M.Phil. | |
| 19 | WIS.K.Kaullika | Professor | IVI.FIIII. | |
| 20 | Ms.A.P.Aparna | Assistant | M.Phil. | |
| 20 | MS.A.F.Apama | Professor | IVI.F 1111. | |
| 21 | Mr.R.Nareshkumar | Assistant | M.Phil. | |
| 21 | WILK. Nateshkumat | Professor | IVI.I IIII. | |
| 22 | Mr.Rinsin S Anand | Assistant | M.Phil. | |
| 22 | Mil.Kiiisiii 5 Alland | Professor | 141.1 1111. | |
| 23 | Ms.M.Karthikeyani | Assistant | M.Phil. | |
| 23 | | Professor | 141.1 1111. | |
| 24 | Mr.D.Vaduganathan | Assistant | M.E. | |
| 24 | | Professor | 171.12. | |
| 25 | Mrs.S.Yamini | Assistant | M.E. | |
| 23 | | Professor | IVI.L. | |
| 26 | Mrs.D.Anitha | Assistant | M.E. | |
| 20 | | Professor | 141.12. | |
| 27 | Mrs.P.Megala | Assistant | M.E. | |
| 27 | | Professor | 141.12. | |
| 28 | Mr.P.Mohan | Assistant | M.E. | |
| 20 | | Professor | | |
| 29 | Mr.A.Parameswari | Assistant | M.E. | |
| | | Professor | | |
| 30 | Ms.K.Kavithamani | Assistant | M.E. | |
| | wis.ix.ixaviulaillalli | Professor | | |
| 31 | Mr.K.Lokesh Kumar | Assistant | M.E. | |
| | | Professor | | |
| 32 | Mr.S.Rajendran | Assistant | M.E. | |
| | MI.S.Rajenuran | Professor | | |

Permanent Faculty: Student Ratio- 1:14.7

8. PRINCIPAL PROFILE

| 1. | Name of the faculty | : | Dr.P.Manimaran |
|-----|-------------------------------------|---|----------------|
| 2. | Date of Birth | : | 15-07-1965 |
| 3. | Unique ID | : | 1-4643747453 |
| 4. | Educational Qualification | : | M.E., Ph.D |
| 5. | Working Experience | : | |
| | a. Teaching | : | 32 |
| | b. Research | : | 6 |
| | c. Industry | : | Nil |
| | d. Other | : | Nil |
| 6. | Area of specialization | : | Mechanical |
| | | | Engineering |
| 7. | Courses taught at Diploma | : | |
| | a. Under Graduate | : | |
| | b. Post Graduate | : | Mechanical |
| 8. | Research guide | : | |
| | a. No. of papers published In | : | 57 |
| | National/Inter National | | |
| | Journals/Conferences | | |
| 9. | Project carried out | : | Nil |
| 10. | Patents | : | Nil |
| 11. | Technology Transfer | : | Nil |
| 12. | Research publications | : | 57 |
| 13. | No. of books published with details | : | Nil |

9. Fee

9.1. Details of fee, as approved by State fee Committee

| Sl. No | Name of the Course | Accredited - Details | Fees |
|-----------|-----------------------------------|----------------------|------------|
| 1 | B.E. / B.Tech. – Govt. Quota | Non - Accredited | Rs.50000/- |
| 2 | B.E. / B.Tech. – Management Quota | Non - Accredited | Rs.90000/- |

9.2. Time schedule for payment of fee for the entire programme

 \blacktriangleright Within One month from the date of reopening of classes.

9.3. Number of scholarship offered by the Institutions, duration and amount

| Sl. No | Year | Amount | No. of Students |
|--------|---------|---------|-----------------|
| 1 | 2018-19 | 2454000 | 37 |
| 2 | 2019-20 | 6737000 | 103 |
| 3 | 2020-21 | 9095000 | 137 |

9.4 Criteria for fee waivers / scholarship

Management Scholarship for students based on the cut-off marks:

- **\diamond** Cut off marks of above 190 100% Tuition fee waiver and 50% Hostel Fee waiver.
- ♦ Cut off marks of between 185 189.75- 50% Tuition fee waiver and 50% Hostel Fee waiver.
- ♦ Cut off marks of between 180 184.75- 50% Tuition fee waiver.

9.5 Estimated cost of boarding and Lodging in Hostels

▶ Rs. 5500/- per Month for both boarding and lodging.

10. Admission

| Marshar | of acota | age of an ad | | | |
|---------|----------|--------------|----------|---------|----------|
| Number | of seats | sanctioned | with the | year of | approval |

| SI. | | Sanctioned Intake | | |
|-----|---|-------------------|-----------|--|
| No | Course | 2019 - 20 | 2020 - 21 | |
| 1 | B.E. Computer Science and Engineering | 60 | 60 | |
| 2 | B.E. Electronics and Communication Engineering | 120 | 120 | |
| 3 | B.E. Electrical and Electronics Engineering | 60 | 60 | |
| 4 | B.E. Mechanical Engineering | 120 | 60 | |
| 5 | B.Tech. Information Technology | 60 | 60 | |
| 6 | B.Tech. Artificial Intelligence and Data Science | - | 60 | |

Number of Students admitted under various categories each year in the last three years

| Name of the | 2019 – 20 | | 2020 – 21 | | | |
|-------------|-----------|----|-----------|----|----|-------|
| Dept | GQ | MQ | Total | GQ | MQ | Total |
| CSE | 26 | 30 | 56 | 33 | 30 | 63 |
| ECE | 53 | 11 | 64 | 71 | 26 | 97 |
| EEE | 11 | 1 | 12 | 29 | 1 | 30 |
| MECH | 21 | 6 | 27 | 25 | 7 | 32 |
| IT | 29 | 29 | 58 | 34 | 29 | 63 |
| AI & DS | 0 | 0 | 0 | 33 | 30 | 63 |

Number of applications received during last two years for admission under management Quota and number admitted

| Norra of the | 2019 - 20 | | 2020 – 21 | |
|---------------------|-------------------------------|----------------------------|-------------------------------|----------------------------|
| Name of the Dept | MQ Application Received | MQ Students Admitted | MQ Application Received | MQ Students Admitted |
| CSE | 36 | 30 | 41 | 30 |
| ECE | 15 | 11 | 35 | 26 |
| EEE | 4 | 1 | 7 | 1 |
| MECH | 10 | 6 | 13 | 7 |
| IT | 38 | 29 | 39 | 29 |
| AI & DS | 0 | 0 | 43 | 30 |

11. Admission Procedure

The institution is a self-financing institution; all the UG programmes offered are self-financed. With reference to the admission, and fee structure the AICTE regulations and guidelines of Tamil Nadu government are followed.

Website Link: www.tnea.ac.in

11.1 Admission Process

Karpagam Institute of Technology follows the Tamil Nadu Engineering Admission (TNEA) process. As per the Government of Tamil Nadu norms, 65% of the admission is done directly by the Affiliating University under Merit Category and the remaining 35% is offered to institutions as Management Quota. Admission is purely based on merit cum reservation basis.

- Government Quota Through On line admission process as prescribed by the Government of Tamil Nadu
- Management Quota Through Consortium of Self Financing Professional, Arts & Science Colleges in Tamil Nadu.

11.2 Publicity

Admission notification is hosted on college Website and published in leading national/ regional daily newspapers, through stalls and banners in education fairs and through Social Medias.

11.3 Transparency

The University follows on line admission (Counselling) based system to admit government quota students. Thus transparency is ensured from the stage of notification till the completion of the admission process. Students are admitted as per the rules framed by the consortium of Self Financing colleges in management quota.

11.4 Admission made through Management Quota UG Programs

For the Management Quota seats, the seats are allotted to the students as per the norms of Government of Tamil Nadu and on the basis of cut off marks.

11.5 Admission to UG Degree Course

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

| Sl. No | Community | Minimum % of marks |
|--------|--|--------------------|
| 1 | General Category | 45.00% |
| 2 | Backward class including Backward Class Muslim | 40.00% |
| 3 | MBC & DNC | 40.00% |
| 4 | SC / SCA / ST | 40.00% |

(OR)

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

| Sl. No | Community | Minimum % of marks |
|--------|--|--------------------|
| 1 | General Category | 45.00% |
| 2 | Backward class including Backward Class Muslim | 40.00% |
| 3 | MBC & DNC | 40.00% |
| 4 | SC / SCA / ST | 40.00% |

Note: A Pass with Minimum average marks in Related Subjects, Vocational Theory and Practical's put together is required

11.6 Lateral Entry Admission

The minimum eligibility marks for admission to direct second year B.E. degree courses under Lateral entry is just pass in Diploma in relevant engineering.

| Sl. No | Community | Minimum % of marks |
|--------|--|---|
| 1 | General Category | 55.00% |
| 2 | Backward class including Backward Class Muslim | 50.00% |
| 3 | MBC & DNC | 45.00% |
| 4 | SC / SCA / ST | Mere Pass in the qualifying examination |

11.7 SC / ST / OBC / Differently Abled / Minority Community

The community reservation is very strictly followed by the government of Tamil Nadu and the students are allotted admission through single window system. Hence the Government quota students belonging to SC/ST, OBC, Differently Abled and Minority Community find a place in the admission without even a single case of denial.

11.8 Women

Since the Government Quota follows a single window admission system based on cut off marks in the qualifying exams, there is no special preference given to women.

KIT has seen a trend of girl students joining in good numbers with the current ratio of girls to boys being above 40%: 60%

11.9 Economically Weaker Sections

In order to make engineering education affordable to the economically weaker sections, KIT management offers merit scholarship for students from both Government and Management quotas.

Merit Scholarship for Government Quota

- ➤ Cut off marks of above 190 100% Tuition fee waiver and 50% Hostel Fee waiver.
- ➤ Cut off marks of between 185 189.75- 50% Tuition fee waiver and 50% Hostel Fee waiver.
- \blacktriangleright Cut off marks of between 180 184.75- 50% Tuition fee waiver.

11.10 Merit Scholarship for Management Quota

Based on the scholarship test and the economic background of the student, KIT management grants scholarship.

11.11 Others (First Generation Graduate / Rural Students)

The Government of Tamil Nadu bears Rs.25,000/- of the total tuition fee payable every year by the student who is the first graduate in his/her family. To give a fair chance to the students from rural areas, Tamil Nadu Government has based the admission only on the marks scored in the qualifying examination.

12. Criteria and Weightages for Admission

12.1 UG Admission

- > Applicant should appear for the consortium test conducted by self-financing association (MQ)
- > For GQ-Students selection is based on merit basis through on line counselling

12.2 As per the Tamil Nadu Government norms

13. List of Applicants

➢ Refer 6.4

14. Results of Admission under Management seats / vacant seats

The management quota students are admitted as per the norms prescribed by the association of selffinancing institution and the institutional selection committee is as given below.

| Sl. No | Name of the member | Designation |
|--------|--------------------|----------------|
| 1 | Dr.P.Manimaran | Principal |
| 2 | Dr.D.Bhanu | Vice Principal |

Merit list is provided by the association of self-financing institutions

Selection list is provided by the association of self-financing institutions

15. Information of Infrastructure and other Resources Available

| Sl. No | Room Type | No. of Units | Total Area (Sq.M) | Average Area (Sq.M.) |
|--------|--------------------------|--------------|----------------------|-------------------------|
| 1 | Number of Class Rooms | 36 | 486 | 75 |
| 2 | Number of Tutorial Rooms | 13 | 158 | 41.54 |
| 3 | Number of Laboratories | 30 | 3831.43 | 127.71 |
| 4 | Drawing Halls | 1 | 148 | 148 |
| 5 | Computer Centres | 3 | 320 | 106.67 |
| 6 | Examination Centre | 1 | 89 | 89 |

Number of Class Rooms and size of each

Barrier Free built Environment for disabled and elderly persons

- > Ramp at the entrance
- Rest room facilities
- Relocation of the Class Room to the ground floor
- ➢ Wheel Chair
- Reserved ground floor accommodation in the hostels
- > Housing of facilities like office, rest rooms, food court, reprography centre, library, etc., in the ground floor

Hostel Facilities

| Sl. No | Facility | Particulars | | | |
|--------|---------------------|--|--|--|--|
| | General Facilities | | | | |
| 1 | Boys Hostel | 112 rooms to accommodate 448 students | | | |
| 2 | Ladies Hostel | 87 rooms to accommodate 348 students | | | |
| 3 | Hostel Mess | 2 | | | |
| 4 | Hostel Office | 2 | | | |
| 5 | Warden Room | 2 | | | |
| 6 | Staff Hostel | 6 | | | |
| 7 | 24x7 Security Guard | 4 | | | |
| 8 | Hostel Management | Attendance Register, Phone for parent communication, Room allocation, In & | | | |

| | | Out Register for both faculty and students |
|----|--|--|
| 9 | Purified Drinking Water | Both Boys & Girls |
| 10 | Solar Water Heaters | Both Boys & Girls |
| 11 | Laundry Service | Both Boys & Girls |
| | Other Facili | ties |
| 1 | Dispensary | 1 |
| 2 | 24x7 on call driver and vehicle for medical emergencies | 1 |
| 3 | Medical Officer on call | 1 |
| 4 | First Aid Box | 12 |
| 5 | Ambulance | 1 |
| 6 | Library with select list of book | 2 |
| 7 | Wi-Fi Enabled Hostel Campus | Yes |
| 8 | Cable Connected Television in common room | 2 No's |

Library Facilities

| Particulars | Required | Available | |
|--|----------|-----------|--|
| Science Human | | | |
| No. of Volumes(M1) | 1000 | 1950 | |
| No. of Volumes addedfor the year 2021-2022(M3) | 120 | 750 | |
| Total No. of Volumes (M1+M2+M3) | 8680 | 21584 | |
| Engineering | | | |
| No. of Titles(T) | 1200 | 4650 | |
| No. of Volumes(M2) | 7560 | 18884 | |

List of Major Equipments

| Sl. No | Name of the Laboratory | Major Equipments | | |
|--------|---|--|--|--|
| | Department of Electronics and Communication Engineering | | | |
| 1 | Analog and digital Laboratory | CRO, Signal Generator, DC Regulated Power Supply, Digital trainer kit | | |
| 2 | Integrated circuits Laboratory | IC tester, CRO, Signal Generator, DC Regulated Power Supply | | |
| 3 | Communication Systems Laboratory | Optical trainer kits, Communication Trainer kits, DSO, Function Generator, Microwave test benches | | |
| 4 | Signal processing Laboratory | DSP Trainer kits, FPGA Trainer kits | | |
| 5 | Embedded System Laboratory | ARM processor kits, Keil µ Vision, Flash Magic, Putty | | |
| 6 | Communication Networks Laboratory | Data Communication Trainer kits, LAN trainer kit | | |

| Sl. No | Name of the Laboratory | Major Equipments |
|--|--|--|
| Department of Computer Science and Engineering | | |
| 1 | Dennis Ritchie Laboratory | Computers:70, Printers:3, Scanner, Switch, LCD with Screen, UPS |
| 2 | James Gosling Laboratory | Computers:70, Printers:3 Switch, LCD with Screen UPS |
| 3 | Computer Science Research Laboratory | Computers:10, Printers:1 Switch, LCD with Screen |
| 4 | Repute Powered Application Development Laboratory | Computers:15, Printers:1 Switch, LCD with Screen |

| Sl. No | Name of the Laboratory | Major Equipments | |
|--|--|--|--|
| Department of Electrical and Electronics Engineering | | | |
| 1 | Control and Instrumentation Laboratory | DC Servomotor, AC Servomotor, AC and DC position control with DC servomotor, Stepper Motor, Linear system simulator, Digital storage oscilloscope, AC Synchro transmitter & Receiver, LVDT | |
| 2 | Engineering Practices Laboratory | CRO, Digital Laser Range Finder, Digital Live wire Detector, Single phase auto transformer, Function generator, DC Dual RPS, Digital IC Trainer kit | |
| 3 | Renewable Energy Systems Laboratory | PV panels (100W, 24V) | |
| 4 Electrical Machines Laboratory | | DC Shunt Motor, DC Compound Motor, DC Series Motor, DC Shunt Motor coupled with 3 kw DC compound machine with starter, DC Shunt Motor coupled with 2 kw DC Shunt | |

| | | Generator with 3 point starter, Slip ring Induction Motor with loading arrangement, Single phase 240 V, 120 RPM with loading arrangement and starter, squirrel cage motor with loading arrangement |
|---|------------------------------|--|
| 5 | Power Electronics Laboratory | SCR, TRIAC, MOSFET & IGBT Characteristics, AC to DC Half and Full Converter, MOSFET & IGBT PWM Inverter |

| Sl. No | Name of the Laboratory | Major Equipments | | |
|--------|--------------------------------------|--|--|--|
| | Department of Mechanical Engineering | | | |
| 1. | Fluid Mechanics Laboratory | Orifice meter setup and Venturi meter setup, closed Circuit Test Rig, Rota meter setup, Pipe Friction test rig, Centrifugal pump test rig, Reciprocating pump test rig, Gear pump setup, Pelton wheel turbine test rig, Francis turbine test rig, Kaplan turbine test rig, Heleshaw Model Apparatus, Jet Pump test Rig, Gear Pump test rig, | | |
| 2. | CAD/CAM Laboratory | CNC Lathe trainer kit, CNC milling machine trainer kit, CAD/CAM Software- EDGECAM software, Educational license 2012, | | |
| 3. | Thermal Engineering Laboratory | Cut Section Model Of Two-Stroke Petrol Engine, Parallel Flow And Counter Flow Heat Exchanger, Gas Turbine Engine Study Model, Thermal Conductivity Of Metal Bar/Rod Apparatus, Heat Transfer Through Composite Wall Apparatus, Cut Section Model Of Four Stroke Diesel Engine, Four Stoke Twin Cylinder Diesel Engine Test Rig, Redwood Viscometer, Vapour Compression Refrigeration Test Rig, Vapour Compression Air Conditioning Test Rig, Air Blower Test Rig Multi Cylinder Four Stroke Petrol Engine- Test Rig, Cleveland Flash And Fire Point Apparatus (Open Cup), Pensky Marten's Flash And Fire Point Apparatus (Closed Cup),Two Stage Air Compressor – Test Rig, Thermal Conductivity Of Guarded Hot Plate Method Apparatus, Heat Transfer Through Lagged Pipe Apparatus, Heat Transfer In Natural Convection Apparatus. Pin Fin Apparatus, Stefen- Boltzman Apparatus,Emissivity Measurement Apparatus, Forced Convection Apparatus, Single Cylinder Four stroke Diesel engine test rig, Single Cylinder Four stroke Petrol engine test rig,Single Cylinder Four stroke Slow Speed Diesel engine test rig, | | |
| 4. | Strength of Materials Laboratory | Universal Testing Machine 40 T Capacity With Analog Accessories, Izord / Charpy Impact Testing Machine, Fatigue Testing Machine With Rotating Beam Method, Rockwell Cum Brinell Hardness Tester- 250kgf Loading, Torsion Testing Machine 20 Kgm, Spring Testing Machine 250 Kgf Tension And Compression Test, Metallurgical Microscope, Metallographic Disc Polishing / Lapping, Machine – 10'' Double Disc , Binocular Microscope With Co Axial Standerd Optics | | |

| | | ,Heat Treatment Muffle Furnace. |
|------|--|--|
| 5. | Manufacturing Technology Laboratory | Drill machine vice (6"), Radial Drilling Machine & Accessories, Heavy Duty Shaping Machine, Shaping Machine, Shaping Machine, Heavy Duty Slotting machine, Universal Dividing Head, Tool Makers Microscope, Heavy Duty Planning Machine, Vertical Milling Machine, Horizontal Milling Machine, Cylindrical Grinding Machine, Surface Grinding Machine, Centreless Grinding Machine, Capstan and Turret lathe, Radial Drilling Machine, Gear Hobbing Machine, Tool & Cutter Grinder, Bench Grinder, Centre Lathe, Power Hacksaw Machine, Vernier calliper (0-200mm), Vernier calliper (0-150mm), |
| 6. | Kinematics and Dynamics Laboratory | Simple Gear Train, Compound Gear Train, Epicyclic Gear Train, Differential Gear Train, Slider Crank Mechanisms, Crank Rocker Mechanisms, Kinematic Models Of Single And Double, Universal Joints, Fly Wheel And Axle System, Connecting Rod and Fly Wheel, Transverse Vibration free beam, Turn Table Apparatus, Bifilar Suspension and Compound Pendulum, Compound Pendulum and Fly wheel System, Motorized Gyroscope, Universal Governor, Cam Profile Analyzer, Spring Mass System, Single And Double Rotor Systems, Vibration Absorber, Whirling Of Shafts, Balancing Of Rotating Masses Setup, Balancing Of Reciprocating Masses Setup, Vibrating system – Spring mass system, Free, Forced torsinal vibration setup, Kinematics of Oscillating cylinder Mechanism, Forced Vibration Of Cantilever Beam Setup, Vibrating Table, F.F.T. Analyzer, Dynamic Balancing Machine. |
| 7. | Metrology and Measurements Laboratory | Micrometer 25 mm, Vernier Caliper 300 mm, Vernier Height Gauge 300 mm, Vernier depth Gauge, Slip Gauge Set 112 Pieces Gear Tooth Vernier, Sine Bar 200 mm, Sine Bar, Bevel Protractor, Sine Centre, Floating Carriage Micrometer, Tool Makers Microscope, Mechanical Comparator, Pneumatic Comparator, Electrical Comparator, Autocollimator, Temperature Measuring Setup, Displacement Measuring Setup, Force Measuring Setup Torque Measuring Setup, Vibration/Shock Measuring Setup, Profile Projector. |
| 8. 1 | Mechatronics Laboratory | electro Pneumatic Trainer Kit, PLC controlled pneumatic Trainer Kit, Servo control interfacing for D.C. motor, PID controller setup, Stepper motor interface with 8051 microcontroller, Lab view for 10 users, Design & testing of fluid power circuits, Computerised data logging system for pressure flow & temperature. Air compressor. |
| 9. | Engineering Practices Laboratory | Arc Welding Machine. |

| Sl. No | Name of the Laboratory | Major Equipments |
|--------------------------------------|------------------------|---|
| Department of Information Technology | | nent of Information Technology |
| 1 | Alan Turing Laboratory | 70 Systems, LCD with Screen, 7 Printers, Scanner, Switch, UPS |
| 2 | Alan Kay Laboratory | 70 Systems, LCD with Screen, 7 Printers, Switch, UPS |
| 3 | IT Research Laboratory | 10 Systems, LCD with Screen, 1 Printers, Switch |

| Sl. No | Name of the Laboratory | Major Equipments |
|--|------------------------|------------------|
| Department of Artificial Intelligence and Data Science | | |
| 1 Elon Musk Laboratory 70 Systems, 7 Printers, LCD with Screen, Switch UPS | | |

| Sl. No | Name of the Laboratory | Major Equipments | |
|--------|---|--|--|
| | Department of Science and Humanities | | |
| 1 | Communication skill | Computers, Printers, Software, | |
| 1 | Laboratory | Video camera, Headphone with Mic and LCD projector | |
| 2 | 2 Chemistry Laboratory Conductometer, pectro photometer, Flame photometer, PI Demineralisation plant Hotplate and Bomb calorimeter | | |
| 3 | Physics Laboratory | Spectrometer, Ultrasonic inter interferometer, Travelling microscope, Laser Source, Torsional Pendulum and Air Wedge apparatus | |

Computing Facilities

| Sl. No | Particulars | Available No's |
|-----------|--|----------------|
| 1 | Internet Bandwidth | 300Mbps |
| 2 | Number and Configuration of System | 465 |
| 3 | Total number of system Connected by LAN | 465 |
| 4 | Total number of system connected by WAN | 250 |
| 5 | Major Software Packages Available | Yes |
| 6 | Printer Facilities available | 42 |
| 7 | Projector facilities available | Available |
| 8 | WIFI facilities available Available | |
| 9 | Special purpose facilities available (Conduct of Online Meetings / Webinars / Workshops, etc.) | Available |
| 10 | Facilities for Conduct of Classes in Online Mode (Theory & Practical) | Available |

Innovation Cell

- Responsible for research and innovation activities
- Review and approval of patent applications
- Review and approval of students/faculty project proposals for funding
- Review of final year students' projects
- Organizing idea contests
- Counselling faculty for pursuing PhD Programs
- Establishing and managing University Approved Research Centres
- Coordinating with funding agencies for research programs
- Conducting skill development and outreach programs funded by external agencies

Social Media Cell

The Media Club of Karpagam Institute of Technology is responsible for handling and nurturing the image of brand KIT in the eyes of all the stakeholders and to debate the students in this field and finding out one's self creation in a certain domain thereby extending their learning. It works in the direction of amplifying the brand equity of KIT and reverberates the successful growth of the institute and also this develops knowledge and their internal power and imagination by showcasing the photos with what elements to exclude, what angle to frame the photo, to express an impression of an objects in a subjective form.

The Media Club acts as a bridge between KIT fraternity and the external world encompassing the neighboring communities of KIT, the media and the general public. The team is involved in developing and maintaining a positive reputation with the public through various forms of communication- be it the traditional media or the new age digital media. Media Club of KIT aims to increase the visibility of KIT on different digital media platforms, like Face book, Instagram, LinkedIn, YouTube, Twitter and other allied social media and posting platforms for effective positioning and enhancing the brand image of KIT.

Team Media Club also holds the responsibility for adding relevant content like banners for achievements in Competitions and updating the KIT website with the latest happenings on the campus. Being the media interface, the team collaborates with all the other clubs, and covers their events and activities. All the communication regarding the external events, activities, and participation from the institute in the same also falls under the purview of the committee.

Games and Sports Facilities

➤ Total Open Ground Area: 180*167=30060 Sq.m

| Description | Nos | Area (Sq.m) | Size |
|-------------------|----------|---------------|------------------|
| Sports | | | |
| 400m track | 1 | 15400 | 175*88 |
| Longiume | 1 | 30 | 3*10(pit) |
| Long jump | 1 | 48.8 | 1.22*40(Run Way) |
| Triala iuma | 1 | 30 | 3*10(Pit) |
| Triple jump | 1 | 48.8 | 1.22*40(Run Way) |
| High jump | 1 | 24 | 6*4 |
| Shot put | 1 | 6.71 | 2.135(diameter) |
| Javelin throw | 1 | 120 | 4*30(Run way) |
| Hammer throw | 1 | 6.71 | 2.135(diameter) |
| Discus throw | 1 | 7.85 | 2.50(diameter) |
| | | Indoor Games | |
| Table tennis | 3 Boards | 12.5355 | 2.74*1.525 |
| Chess | 3 Boards | - | - |
| Carrom | 3 Boards | - | - |
| Bad Minton | | 81.74 | 13.40*6.10 |
| | | Outdoor Games | |
| Cricket Ground | 1 | 18200 | - |
| Football field | 1 | 60000 | 100*60 |
| Handball Court | 1 | 800 | 40*20 |
| Hockey field | 1 | 5032.5 | 91.40*55 |
| Volley ball court | 3 | 486 | 18*9 |

| Kabaddi Court | 1 | 130 | 13*10 |
|----------------------|---|--------|-------------|
| Ball Badminton Court | 1 | 288 | 24*12 |
| Throw ball Court | 1 | 223.26 | 18.30*12.20 |
| Kho-Kho | 1 | 464 | 29*16 |
| Basket ball | 1 | 420 | 28*15 |

GYM

| Description | No's |
|-----------------------------------|---------|
| Weight lifting Olympic rod | 4 |
| Normal bench presser rod | 5 |
| Zig-Zag bench presser rod | 3 |
| Dumbbell sets | 26 sets |
| Elliptical | 1 |
| Abdominal king | 1 |
| Hydraulic bench | 1 |
| Pressure and Squad horizontal bar | 1 |
| Parallel bar | 1 |

Yoga Center:

The College offers yoga training as means of recreational for both student and staff. Yoga training is conducted often and yoga day is celebrated students make the best use of yoga center.

Cultural Activities:

Cultural activities are conducted regularly in the college so as to understand the cultural heritage of our country. The college conducts events like Annual day and VARNAM to relish the cultural heritage. These events help students to enrich their cultural values.

Extra-Curricular Activities

| Sl.No | Name of the student | Sports/ Cultura l | Team / Individual | University/State/Nation al/ International | Name of the award/ medal | | | |
|---------|---------------------|-------------------------|----------------------|--|-------------------------------|--|--|--|
| 2019-20 | | | | | | | | |
| 1. | S.Sudharsan | Sports | Individual | Intercollegiate | 20KM Walk Silver Medal | | | |
| 2. | T.Vinitha | Sports | Individual | Intercollegiate | 5KM Walk Bronze Medal | | | |
| 3. | M.Gokulavasan | Sports | Individual | Intercollegiate | Shot put Gold Medal | | | |
| 4. | M.Gokulavasan | Sports | Individual | Intercollegiate | Javelin Throw Silver Medal | | | |
| 5. | M.Gokulavasan | Sports | Individual | Intercollegiate | 50M Walk Gold Medal | | | |
| 6. | N.Mahendran | Sports | Individual | Intercollegiate | Bronze Medal | | | |
| 7. | S.Sudharsan | Sports | Individual | Intercollegiate | 20KM Walk Bronze Medal | | | |
| 8. | A.R.Aathira | Sports | Team | Intercollegiate | Bronze Medal | | | |
| 9. | K.Amirtha Varshini | Spotrs | Team | Intercollegiate | Bronze Medal | | | |
| | 2018-19 | | | | | | | |
| 1. | M.Veda Sruti | Sports | Team | Intercollegiate | Bronze Medal | | | |
| 2. | M.P.Mano Bharath | Sports | Individual | National | Gold Medal | | | |
| 3. | M.P.Mano Bharath | Sports | Individual | National | Bronze Medal | | | |
| 4. | M.P.Mano Bharath | Sports | Individual | National | Gold Medal | | | |
| 2017-18 | | | | | | | | |
| 1. | M.Veda Sruti | Sports | Team | Intercollegiate | Silver medal | | | |
| 2. | A.R.Aathira | Sports | Team | Intercollegiate | Silver medal | | | |
| 3. | K.Amirtha Varshini | Sports | Team | Intercollegiate | Silver medal | | | |
| 4. | A.Preethi Mispha | Sports | Team | Intercollegiate | Silver medal | | | |
| 5. | B.Keerthana | Sports | Team | Intercollegiate | Silver medal | | | |
| 6. | M.Veda Sruti | Sports | Team | Intercollegiate | Bronze medal | | | |
| 7. | A.R.Aathira | Sports | Team | Intercollegiate | Bronze medal | | | |
| 8. | B.Keerthana | Sports | Team | Intercollegiate | Bronze medal | | | |

| 9. | M.Dinesh | Sports | Individual | Intercollegiate | Bronze medal | | |
|-----|------------------|--------|------------|-----------------|--------------|--|--|
| 10. | S.Saravana Kumar | Sports | Team | Intercollegiate | Bronze medal | | |
| 11. | S.Kathirvel | Sports | Team | Intercollegiate | Bronze medal | | |
| 12. | S.Kathirvel | Sports | Individual | State | Participated | | |
| 13. | S.Kathirvel | Sports | Individual | State | Participated | | |
| | 2016-17 | | | | | | |
| 1. | P.Prabakaran | Sports | Team | Intercollegiate | Silver medal | | |
| 2. | S.Kathirvel | Sports | Individual | State | Silver medal | | |
| | 2015-16 | | | | | | |
| 1. | K.Muthuraj | Sports | Individual | Inter national | Silver medal | | |
| 2. | K.Muthuraj | Sports | Individual | Inter national | Silver medal | | |
| 3. | K.Muthuraj | Sports | Individual | Inter national | Bronze medal | | |
| 4. | K.Muthuraj | Sports | Individual | National | Bronze medal | | |
| 5. | K.Muthuraj | Sports | Individual | National | Silver medal | | |
| 6. | E.Monisha | Sports | Individual | Intercollegiate | Silver medal | | |
| 7. | M.Dinesh | Sports | Individual | Intercollegiate | Silver medal | | |
| 8. | K.Muthuraj | Sports | Team | Intercollegiate | Gold medal | | |
| 9. | T.Jeganathan | Sports | Individual | Intercollegiate | Gold medal | | |

Soft Skill Development Facilities

- The training and placement cell plays a main role in providing necessary rigorous training to all students to enable them to acquire the basic skills for recruitment. Various training programmes are organized to train the students in the areas of aptitude, quantitative reasoning, logical reasoning, and verbal through the experienced and trained members of the faculty.
- There is an exclusive Training and placement Cell is there with all necessary facilities like Seminar hall, Interview halls, Group Discussion Halls, Interview Panels to conduct the placement activity in a smooth manner.
- There is a separate computer lab is there for placement cell alone. An auditorium with 400 seating capacity for conducting pre-placement talks and other activities.
- Facility is created to take test through online mode.

Teaching Learning Planning

Curriculum and Syllabus for each Program

ANNA UNIVERSITY, CHENNAI

AFFILIATED INSTITUTIONS

B.E. COMPUTER SCIENCE AND ENGINEERING

REGULATIONS – 2017

CHOICE BASED CREDIT SYSTEM

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

1. To enable graduates to pursue higher education and research, or have a successful career in industries associated with Computer Science and Engineering, or as entrepreneurs. To ensure that graduates will have the ability and attitude to adapt to emerging technological changes.

PROGRAM OUTCOMES POs:

Engineering Graduates will be able to:

- 1. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
- 2. **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **3. Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineeringactivities with an understanding of the limitations.
- 6. **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

- 10. **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11. **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **12. Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OBJECTIVES (PSOs)

To analyze, design and develop computing solutions by applying foundational concepts ofComputer Science and Engineering.

To apply software engineering principles and practices for developing quality software for scientificand business applications.

To adapt to emerging Information and Communication Technologies (ICT) to innovate ideas and solutions to existing/novel problems.

Mapping of POs/PSOs to PEOs

Contribution

1: Reasonable

2:Significant

3:Strong

| | PEOs | |
|--|---|---|
| POs | Graduates will pursue higher education and research, or have a successful career in industries associated with Computer Science and Engineering, or as entrepreneurs. | 2. Graduates will have the ability and attitude to adapt to emerging technological changes. |
| 1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. | 3 | 1 |
| 2. Problem analysis : Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. | 3 | 1 |
| 3. Design/development of solutions : Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmentalconsiderations. | 3 | 2 |
| 4. Conduct investigations of complex problems : Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. | 3 | 2 |
| 5. Modern tool usage : Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations. | 2 | 3 |
| 6. The engineer and society : Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. | 2 | 2 |
| 7. Environment and sustainability : Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | 2 | 1 |
| 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. | 3 | 1 |
| 9. Individual and team work : Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. | 3 | 2 |

| 10. Communication : Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. | 3 | 2 |
|---|---|---|
| 11. Project management and finance : Demonstrate knowledge and understanding of the engineering and | | |
| management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. | 2 | 2 |
| 12. Life-long learning : Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. | 1 | 3 |
| | | |

| PSOs | | |
|---|---|---|
| 1. Analyze, design and develop computing solutions by applying foundational concepts of computer science and engineering. | 3 | 1 |
| 2. Apply software engineering principles and practices for developing quality software for scientific and business applications. | 3 | 1 |
| 3. Adapt to emerging information and communication technologies (ICT) to innovate ideas and solutions to existing/novel problems. | 1 | 3 |

MAPPING OF COURSE OUTCOMES WITH PROGRAMME OUTCOMES

A broad relation between the Course Outcomes and Programme Outcomes is given in thefollowing table

| | Course Title | | | | | Pro | ogram | me O | utcom | e (PO |) | | |
|-------------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----|--------------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | Communicative English | | | | | | | | \checkmark | | \checkmark | | \checkmark |
| | Engineering Mathematics - I | \checkmark | | | | | | | | \checkmark | | | |
| | Engineering Physics | \checkmark | | | | | | | | | | | |
| | Engineering Chemistry | \checkmark | \checkmark | | | | | | | | | | |
| SEMESTER I | Problem Solving and Python Programming | \checkmark | \checkmark | | | | | | | | | | |
| SEMI | Engineering Graphics | \checkmark | | | | | | | \checkmark | | \checkmark | | |
| | Problem Solving and Python Programming Laboratory | \checkmark | | \checkmark | | \checkmark | | | | \checkmark | V | | |
| | Physics and Chemistry Laboratory | V | V | V | | | | | V | V | V | | |
| | | | 1 | | | | | | | | | | |
| | Technical English | | | | | | | | | | | | |
| | Engineering Mathematics II | \checkmark | | | | | | | | \checkmark | | | |
| | Physics for Information Science | V | V | V | | | | | | | | | |
| SEMESTER II | Basic Electrical, Electronics and Measurement Engineering | V | V | \checkmark | | | | | | | | | |
| SEME | Environmental Science and Engineering | V | V | V | | | | \checkmark | \checkmark | | | | |
| | Programming in C | | | | | | | | | | | | |
| | Engineering Practices Laboratory | V | \checkmark | V | \checkmark | \checkmark | \checkmark | | \checkmark | \checkmark | V | | |
| | C Programming Laboratory | \checkmark | \checkmark | \checkmark | | | | | \checkmark | \checkmark | | | |

| | | | | Pl | ROGI | RAMI | ME O | UTC | OME | (PO) | | | | |
|------------|-----------------|---|--------------|--------------|--------------|------|--------------|--------------|-----|--------------|--------------|--------------|----|--------------|
| | | COURSE TITLE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | Discrete Mathematics | \checkmark | | | | | | | | \checkmark | | | |
| | | Digital Principles and Design | \checkmark | \checkmark | \checkmark | | | | | | | | | |
| | | Data Structures | | \checkmark | | | | | | | | | | |
| | TER | Object Oriented Programming | \checkmark | | | | | | | | | | | |
| | SEMESTER III | Communication Engineering | \checkmark | | \checkmark | | | | | | | | | |
| | SE | Data Structures Laboratory | \checkmark | | \checkmark | | | | | \checkmark | \checkmark | \checkmark | | \checkmark |
| | | Object Oriented Programming Laboratory | \checkmark | | \checkmark | | | | | \checkmark | \checkmark | \checkmark | | \checkmark |
| | | Digital Systems Laboratory | \checkmark | | | | | \checkmark | | \checkmark | \checkmark | \checkmark | | \checkmark |
| YEAR II | | Interpersonal Skills/Listening &Speaking | | | | | | | | \checkmark | \checkmark | \checkmark | | \checkmark |
| YE. I | | | | | | | | | | | | | | |
| YE | | Probability and Queueing Theory | \checkmark | \checkmark | \checkmark | | | | | | \checkmark | \checkmark | | |
| | | Computer Architecture | \checkmark | | | | | | | | | | | |
| | | Database Management Systems | \checkmark | | V | | | | | | | | | |
| | TER IV | Design and Analysis of Algorithms | \checkmark | | V | | | | | | | \checkmark | | \checkmark |
| | SEMESTER | Operating Systems | \checkmark | | | | | | | | | | | |
| | SE | Software Engineering | \checkmark | | \checkmark | | \checkmark | \checkmark | | \checkmark | \checkmark | \checkmark | | \checkmark |
| | | Database Management Systems Laboratory | \checkmark | \checkmark | \checkmark | | | | | \checkmark | \checkmark | \checkmark | | \checkmark |
| | | Operating Systems Laboratory | | \checkmark | \checkmark | | | | | \checkmark | \checkmark | \checkmark | | |
| | | Advanced Reading and Writing | | | | | | | | \checkmark | \checkmark | \checkmark | | \checkmark |
| | | | | | | | | | | | | | | |

| | | - | | | | | | | | | | 1 | 1 | |
|---------|--------------|----------------------------|--------------|---|---|---|----------|---|---|---|--------------|--------------|---|--------------|
| | | Algebra and | \checkmark | | | | | | | | \checkmark | | | |
| | | Number Theory | | | | | | | | | | | | |
| | | Computer Networks | \checkmark | | | | | | | | | | | |
| | | Microprocessors | | | | | | | | | | | | |
| | | and | | | | | | | | | | | | |
| | | Microcontrollers | | | | | | | | | | | | |
| | | Theory of | 1 | 1 | 1 | | | | | | | | | |
| | | Computation | \checkmark | | | | | | | | | | | |
| | SEMESTER V | Object Oriented | | | | | | | | | | | | |
| | EF | Analysis and | | | | | | | | | | | | |
| 2 | LS | Design | | | | | | | | | | | | |
| YEAR | IE | Open Elective I | | | | | | | | | | | | |
| K | E | Microprocessors | | | | | | | | | | | | |
| | S | and | 1 | , | 1 | | | | | 1 | 1 | 1 | | 1 |
| | | Microcontrollers | \checkmark | | | | | | | | | | | \checkmark |
| | | Laboratory | | | | | | | | | | | | |
| | | Object Oriented | 1 | | | İ | 1 | İ | | | | | | |
| | | Analysis and | | | | | | | | | | al | | |
| | | Design | N | N | N | | N | N | | N | N | | | N |
| | | Laboratory | | | | | | | | | | | | |
| | | Networks | | | | | | | | | | | | |
| | | Laboratory | N | N | v | | | | | N | N | v | | N |
| | | | | | | | | | | | | | | |
| | | | - | | 1 | r | T | r | 1 | 1 | 1 | | r | 1 |
| | | Internet | \checkmark | | | | | | | | | | | |
| | | Programming | | | | | | | | | | | | |
| | | Artificial | | | | | | | | | | | | |
| | | Intelligence | | | | | | | | | | | | |
| | | Mobile | | | | | | | | | | | | |
| | | Computing | | | | | | | | | | | | |
| | | Compiler Design | \checkmark | | | | | | | | | | | |
| | ER | Distributed | | | | | | | | | | | | |
| | LS | Systems | | | | | | | | | | | | |
| | ME | Professional Elective I | | | | | | | | | | | | |
| | SEMESTER VI | Internet | | | | | | | | | | | | |
| | | Programming | \checkmark | | | | | | | | | | | |
| | | Laboratory | Ň | N | v | | v | | | Ň | N | v | | v |
| | | Mobile | | | | | | | | | | | | |
| | | Application | , | , | , | | , | , | | , | , | , | | , |
| | | Development | \checkmark | | | | | | | | \checkmark | | | |
| | | Laboratory | | | | | | | | | | | | |
| | | Mini Project | | | | | | | | | | | | |
| | | Professional | | | | | 1 | | | | | I | | |
| | | Communication | | | | | | | | | | \checkmark | | |
| | | | | | | • | • | • | | | | | | |
| | Π | Principles of | | | | | | | | | | | | |
| | | Management | V | N | N | | | | | | | | N | |
| | ER | Cryptography | | | | | | | | | | | | |
| AF | LS | and Network | \checkmark | | | | | | | | | | | |
| YEAR IV | Æ | Security | , | | , | | | | | | | | | |
| | SEMESTER VII | Cloud Computing | | | | ļ | <u> </u> | | | | | | | |
| | | Open Elective II | 1 | | | | 1 | 1 | | | | | | |

| | Professional Elective II | | | | | | | | | |
|------------------|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------|--------------|--------------|
| | Professional Elective III | | | | | | | | | |
| | Cloud Computing Laboratory | \checkmark | \checkmark | \checkmark | \checkmark | | \checkmark | \checkmark | | \checkmark |
| | Security Laboratory | \checkmark | \checkmark | \checkmark | \checkmark | | \checkmark | \checkmark | | \checkmark |
| | | | | | | | | | | |
| R | Professional Elective IV | | | | | | | | | |
| SEMESTER VIII | Professional Elective V | | | | | | | | | |
| SEM | Project Work | \checkmark | | | | \checkmark | | \checkmark | \checkmark | \checkmark |

PROFESSIONAL ELECTIVES

| SEM | COURSE TITLE | | | | | | | | | | | | |
|------|----------------------------------|--------------|---|----|---|---|---|---|---|---|----|----|--------------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| VI | Data Warehousing and Data | | | al | | | | | | | | | |
| | Mining | Ň | N | | | | | | | | | | |
| | Software Testing | | | | | | | | | | | | |
| | Embedded Systems | | | | | | | | | | | | |
| | Agile Methodologies | | | | | | | | | | | | |
| | Graph Theory and Applications- | | | | | | | | | | | | |
| | Intellectual Property Rights | | | | | | | | | | | | |
| | Digital Signal Processing | | | | | | | | | | | | |
| VII | Big Data Analytics | | | | | | | | | | | | |
| | Machine Learning Techniques | | | | | | | | | | | | |
| | Computer Graphics and | | | | | | | | | | | | |
| | Multimedia | N | N | N | | | | | | | | | |
| | Software Project Management | | | | | | | | | | | | \checkmark |
| | Internet of Things | | | | | | | | | | | | |
| | Service Oriented Architecture | | | | | | | | | | | | |
| | Total Quality Management | | | | | | | | | | | | |
| | Multi-core Architectures | | | | | | | | | | | | |
| | and Programming | N | N | N | | | | | | | | | |
| | Human Computer Interaction | | | | | | | | | | | | |
| | C# and .Net Programming | | | | | | | | | | | | |
| | Wireless Adhoc and Sensor | | | | | | | | | | | | |
| | Networks | N | N | N | | | | | | | | | |
| | Advanced Topics on Databases | | | | | | | | | | | | |
| | Foundation Skills in Integrated | | | | | | | | | | | | |
| | Product Development | N | N | | | | | | | | | | |
| | Human Rights | | | | | | | | | | | | |
| | Disaster Management | | | | | | | | | | | | |
| VIII | Digital Image Processing | | | | | | | | | | | | |
| | Social Network Analysis | | | | | | | | | | | | |
| | Information Security | | | | | | | | | | | | |
| | Software Defined Networks | | | | | | | | | | | | |
| | Cyber Forensics | | | | | | | | | | | | |
| | Soft Computing | | | | | | | | | | | | |
| | Professional Ethics in | | | | | | | | | | | | |
| | Engineering | | | | | | v | v | v | v | v | | v |
| | Information Retrieval Techniques | | | | | | | | | | | | |
| | Green Computing | | | | | | | | | | | | |
| | GPU Architecture and | \checkmark | | | | | _ | | | | | | |
| | Programming | | | | | | | | | | | | |
| | Natural Language Processing | | | | | | | | | | | | |
| | Parallel Algorithms | | | | | | | | | | | | |
| | Speech Processing | | | | | | | | | | | | |
| | Fundamentals of Nanoscience | | | | | | | | | | | | |

ANNA UNIVERSITY, CHENNAI

AFFILIATED INSTITUTIONS

B.E. COMPUTER SCIENCE AND ENGINEERING

REGULATIONS – 2017

CHOICE BASED CREDIT SYSTEM

I - VIII SEMESTERS CURRICULA AND SYLLABI

SEMESTER I

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---|-----------|--------------------|----|---|----|----|
| | | | THEORY | | | | | |
| 1. | HS8151 | Communicative English | HS | 4 | 4 | 0 | 0 | 4 |
| 2. | MA8151 | Engineering Mathematics - I | BS | 4 | 4 | 0 | 0 | 4 |
| 3. | PH8151 | Engineering Physics | BS | 3 | 3 | 0 | 0 | 3 |
| 4. | CY8151 | Engineering Chemistry | BS | 3 | 3 | 0 | 0 | 3 |
| 5. | GE8151 | Problem Solving and Python Programming | ES | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8152 | Engineering Graphics | ES | 6 | 2 | 0 | 4 | 4 |
| | • | P | RACTICALS | | | | | |
| 7. | GE8161 | Problem Solving and Python Programming Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 8. | BS8161 | Physics and Chemistry Laboratory | BS | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 31 | 19 | 0 | 12 | 25 |

SEMESTER II

| SI.No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-------|----------------|--|-----------|--------------------|----|---|---|----|
| | | | THEORY | | | | | |
| 1. | HS8251 | Technical English | HS | 4 | 4 | 0 | 0 | 4 |
| 2. | MA8251 | Engineering Mathematics - II | BS | 4 | 4 | 0 | 0 | 4 |
| 3. | PH8252 | Physics for Information Science | BS | 3 | 3 | 0 | 0 | 3 |
| 4. | BE8255 | Basic Electrical, Electronics and Measurement Engineering | ES | 3 | 3 | 0 | 0 | 3 |
| 5. | GE8291 | Environmental Science and Engineering | HS | 3 | 3 | 0 | 0 | 3 |
| 6. | CS8251 | Programming in C | PC | 3 | 3 | 0 | 0 | 3 |
| | | P | RACTICALS | | | | | |
| 7. | GE8261 | Engineering Practices Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 8. | CS8261 | C Programming Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 28 | 20 | 0 | 8 | 24 |

| | | SEM | ESTER III | | | | | |
|-------|----------------|--|-----------|--------------------|----|---|----|----|
| Sl.No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
| | | Т | HEORY | | | | | |
| 1. | MA8351 | Discrete Mathematics | BS | 4 | 4 | 0 | 0 | 4 |
| 2. | CS8351 | Digital Principles and System Design | ES | 4 | 4 | 0 | 0 | 4 |
| 3. | CS8391 | Data Structures | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8392 | Object Oriented Programming | PC | 3 | 3 | 0 | 0 | 3 |
| 5. | EC8395 | Communication Engineering | ES | 3 | 3 | 0 | 0 | 3 |
| | | PRA | ACTICALS | | | | | |
| б. | CS8381 | Data Structures Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 7. | CS8383 | Object Oriented Programming Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | CS8382 | Digital Systems Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 9. | HS8381 | Interpersonal Skills/Listening &Speaking | EEC | 2 | 0 | 0 | 2 | 1 |
| | | | TOTAL | 31 | 17 | 0 | 14 | 24 |

SEMESTER III

SEMESTER IV

| Sl. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---|-----------|--------------------|----|---|----|----|
| | | | THEORY | | | | | |
| 1. | MA8402 | Probability and Queueing Theory | BS | 4 | 4 | 0 | 0 | 4 |
| 2. | CS8491 | Computer Architecture | PC | 3 | 3 | 0 | 0 | 3 |
| 3. | CS8492 | Database Management Systems | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8451 | Design and Analysis of Algorithms | PC | 3 | 3 | 0 | 0 | 3 |
| 5. | CS8493 | Operating Systems | PC | 3 | 3 | 0 | 0 | 3 |
| 6. | CS8494 | Software Engineering | PC | 3 | 3 | 0 | 0 | 3 |
| | | PI | RACTICALS | | | | | |
| 7. | CS8481 | Database Management Systems Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | CS8461 | Operating Systems Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 9. | HS8461 | Advanced Reading and Writing | EEC | 2 | 0 | 0 | 2 | 1 |
| | | | TOTAL | 29 | 19 | 0 | 10 | 24 |

| Sl. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|--|----------|--------------------|----|---|----|----|
| | | T | HEORY | | | | | |
| 1. | MA8551 | Algebra and Number Theory | BS | 4 | 4 | 0 | 0 | 4 |
| 2. | CS8591 | Computer Networks | PC | 3 | 3 | 0 | 0 | 3 |
| 3. | EC8691 | Microprocessors and Microcontrollers | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8501 | Theory of Computation | PC | 3 | 3 | 0 | 0 | 3 |
| 5. | CS8592 | Object Oriented Analysis and Design | PC | 3 | 3 | 0 | 0 | 3 |
| 6. | | Open Elective I | OE | 3 | 3 | 0 | 0 | 3 |
| | | PRA | CTICALS | | | | | |
| 7. | EC8681 | Microprocessors and Microcontrollers Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | CS8582 | Object Oriented Analysis and Design Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 9. | CS8581 | Networks Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 31 | 19 | 0 | 12 | 25 |

SEMESTER V

SEMESTER VI

| Sl. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|--|----------|--------------------|----|---|----|----|
| | | Т | HEORY | | | | | |
| 1. | CS8651 | Internet Programming | PC | 3 | 3 | 0 | 0 | 3 |
| 2. | CS8691 | Artificial Intelligence | PC | 3 | 3 | 0 | 0 | 3 |
| 3. | CS8601 | Mobile Computing | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8602 | Compiler Design | PC | 5 | 3 | 0 | 2 | 4 |
| 5. | CS8603 | Distributed Systems | PC | 3 | 3 | 0 | 0 | 3 |
| 6. | | Professional Elective I | PE | 3 | 3 | 0 | 0 | 3 |
| | | PRA | ACTICALS | | | | | |
| 7. | CS8661 | Internet Programming Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | CS8662 | Mobile Application Development Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 9. | CS8611 | Mini Project | EEC | 2 | 0 | 0 | 2 | 1 |
| 10. | HS8581 | Professional Communication | EEC | 2 | 0 | 0 | 2 | 1 |
| | | | TOTAL | 32 | 18 | 0 | 14 | 25 |

SEMESTER VII

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|--------------------------------------|------------|--------------------|----|---|---|----|
| | | | THEORY | | | | | |
| 1. | MG8591 | Principles of Management | HS | 3 | 3 | 0 | 0 | 3 |
| 2. | CS8792 | Cryptography and Network Security | PC | 3 | 3 | 0 | 0 | 3 |
| 3. | CS8791 | Cloud Computing | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | | Open Elective II | OE | 3 | 3 | 0 | 0 | 3 |
| 5. | | Professional Elective II | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | | Professional Elective III | PE | 3 | 3 | 0 | 0 | 3 |
| | | P | PRACTICALS | | | | | |
| 7. | CS8711 | Cloud Computing Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | IT8761 | Security Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 26 | 18 | 0 | 8 | 22 |

SEMESTER VIII

| Sl. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|--------------------------|----------|--------------------|---|---|----|----|
| | | | THEORY | | | | | |
| 1. | | Professional Elective IV | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | | Professional Elective V | PE | 3 | 3 | 0 | 0 | 3 |
| | • | PR | ACTICALS | | | | | |
| 3. | CS8811 | Project Work | EEC | 20 | 0 | 0 | 20 | 10 |
| | | | TOTAL | 26 | 6 | 0 | 20 | 16 |

TOTAL NO. OF CREDITS: 185

HUMANITIES AND SOCIAL SCIENCES (HS)

| Sl. NO | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|--|----------|--------------------|---|---|---|---|
| 1. | HS8151 | Communicative English | HS | 4 | 4 | 0 | 0 | 4 |
| 2. | HS8251 | Technical English | HS | 4 | 4 | 0 | 0 | 4 |
| 3. | GE8291 | Environmental Science and Engineering | HS | 3 | 3 | 0 | 0 | 3 |
| 4. | MG8591 | Principles of Management | HS | 3 | 3 | 0 | 0 | 3 |

BASIC SCIENCES (BS)

| Sl. NO | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|-------------------------------------|----------|--------------------|---|---|---|---|
| 1. | MA8151 | Engineering Mathematics I | BS | 4 | 4 | 0 | 0 | 4 |
| 2. | PH8151 | Engineering Physics | BS | 3 | 3 | 0 | 0 | 3 |
| 3. | CY8151 | Engineering Chemistry | BS | 3 | 3 | 0 | 0 | 3 |
| 4. | BS8161 | Physics and Chemistry Laboratory | BS | 4 | 0 | 0 | 4 | 2 |
| 5. | MA8251 | Engineering Mathematics II | BS | 4 | 4 | 0 | 0 | 4 |
| 6. | PH8252 | Physics for Information Science | BS | 3 | 3 | 0 | 0 | 3 |
| 7. | MA8351 | Discrete Mathematics | BS | 4 | 4 | 0 | 0 | 4 |
| 8. | MA8402 | Probability and Queueing Theory | BS | 4 | 4 | 0 | 0 | 4 |
| 9. | MA8551 | Algebra and Number Theory | BS | 4 | 4 | 0 | 0 | 4 |

ENGINEERING SCIENCES (ES)

| Sl. NO | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | GE8151 | Problem Solving and Python Programming | ES | 3 | 3 | 0 | 0 | 3 |
| 2. | GE8152 | Engineering Graphics | ES | 6 | 2 | 0 | 4 | 4 |
| 3. | GE8161 | Problem Solving and Python Programming Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 4. | BE8255 | Basic Electrical, Electronics and Measurement Engineering | ES | 3 | 3 | 0 | 0 | 3 |
| 5. | GE8261 | Engineering Practices Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 6. | CS8351 | Digital Principles and System Design | ES | 4 | 4 | 0 | 0 | 4 |
| 7. | EC8395 | Communication Engineering | ES | 3 | 3 | 0 | 0 | 3 |
| 8. | CS8382 | Digital Systems Laboratory | ES | 4 | 0 | 0 | 4 | 2 |

PROFESSIONAL CORE (PC)

| Sl. | COURSE | | | CONTACT | | T | n | a |
|-----|--------|--|----------|---------|---|---|---|---|
| NO | CODE | COURSE TITLE | CATEGORY | PERIODS | L | Т | Р | С |
| 1. | CS8251 | Programming in C | PC | 3 | 3 | 0 | 0 | 3 |
| 2. | CS8261 | C Programming Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 3. | CS8391 | Data Structures | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8392 | Object Oriented Programming | PC | 3 | 3 | 0 | 0 | 3 |
| 5. | CS8381 | Data Structures Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 6. | CS8383 | Object Oriented Programming Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 7. | CS8491 | Computer Architecture | PC | 3 | 3 | 0 | 0 | 3 |
| 8. | CS8492 | Database Management Systems | PC | 3 | 3 | 0 | 0 | 3 |
| 9. | CS8451 | Design and Analysis of Algorithms | PC | 3 | 3 | 0 | 0 | 3 |
| 10. | CS8493 | Operating Systems | PC | 3 | 3 | 0 | 0 | 3 |
| 11. | CS8494 | Software Engineering | PC | 3 | 3 | 0 | 0 | 3 |
| 12. | CS8481 | Database Management Systems Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 13. | CS8461 | Operating Systems Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 14. | CS8591 | Computer Networks | PC | 3 | 3 | 0 | 0 | 3 |
| 15. | EC8691 | Microprocessors and Microcontrollers | PC | 3 | 3 | 0 | 0 | 3 |
| 16. | CS8501 | Theory of Computation | PC | 3 | 3 | 0 | 0 | 3 |
| 17. | CS8592 | Object Oriented Analysis and Design | PC | 3 | 3 | 0 | 0 | 3 |
| 18. | EC8681 | Microprocessors and Microcontrollers Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 19. | CS8582 | Object Oriented Analysis and Design Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 20. | CS8581 | Networks Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 21. | CS8651 | Internet Programming | PC | 3 | 3 | 0 | 0 | 3 |
| 22. | CS8691 | Artificial Intelligence | PC | 3 | 3 | 0 | 0 | 3 |
| 23. | CS8601 | Mobile Computing | PC | 3 | 3 | 0 | 0 | 3 |
| 24. | CS8602 | Compiler Design | PC | 5 | 3 | 0 | 2 | 4 |
| 25. | CS8603 | Distributed Systems | PC | 3 | 3 | 0 | 0 | 3 |
| 26. | CS8661 | Internet Programming Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 27. | CS8662 | Mobile Application Development Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 28. | CS8792 | Cryptography and Network Security | PC | 3 | 3 | 0 | 0 | 3 |
| 29. | CS8791 | Cloud Computing | PC | 3 | 3 | 0 | 0 | 3 |
| 30. | CS8711 | Cloud Computing Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 31. | IT8761 | Security Laboratory | PC | 4 | 0 | 0 | 4 | 2 |

PROFESSIONAL ELECTIVES (PE)

| | | ELE | CTIVE - I | | | | | |
|-----------|----------------|-------------------------------------|-----------|--------------------|---|---|---|---|
| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
| 1. | CS8075 | Data Warehousing and Data Mining | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | IT8076 | Software Testing | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | IT8072 | Embedded Systems | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8072 | Agile Methodologies | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | CS8077 | Graph Theory and Applications- | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | IT8071 | Digital Signal Processing | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8075 | Intellectual Property Rights | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VI ELECTIVE - I

SEMESTER VII ELECTIVE - II

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|----------------------------------|----------|--------------------|---|---|---|---|
| 1. | CS8091 | Big Data Analytics | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | CS8082 | Machine Learning Techniques | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | CS8092 | Computer Graphics and Multimedia | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | IT8075 | Software Project Management | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | CS8081 | Internet of Things | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | IT8074 | Service Oriented Architecture | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8077 | Total Quality Management | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VII ELECTIVE - III

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | CS8083 | Multi-core Architectures and Programming | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | CS8079 | Human Computer Interaction | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | CS8073 | C# and .Net Programming | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8088 | Wireless Adhoc and Sensor Networks | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | CS8071 | Advanced Topics on Databases | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8072 | Foundation Skills in Integrated Product Development | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8074 | Human Rights | PE | 3 | 3 | 0 | 0 | 3 |
| 8. | GE8071 | Disaster Management | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VIII ELECTIVE - IV

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---------------------------------------|----------|--------------------|---|---|---|---|
| 1. | EC8093 | Digital Image Processing | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | CS8085 | Social Network Analysis | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | IT8073 | Information Security | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8087 | Software Defined Networks | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | CS8074 | Cyber Forensics | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | CS8086 | Soft Computing | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8076 | Professional Ethics in Engineering | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VIII ELECTIVE - V

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|-------------------------------------|----------|--------------------|---|---|---|---|
| 1. | CS8080 | Information Retrieval Techniques | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | CS8078 | Green Computing | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | CS8076 | GPU Architecture and Programming | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8084 | Natural Language Processing | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | CS8001 | Parallel Algorithms | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | IT8077 | Speech Processing | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8073 | Fundamentals of Nanoscience | PE | 3 | 3 | 0 | 0 | 3 |

EMPLOYABILITY ENHANCEMENT COURSES (EEC)

| Sl. NO | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---|----------|--------------------|---|---|----|----|
| 1. | HS8381 | Interpersonal Skills/Listening& Speaking | EEC | 2 | 0 | 0 | 2 | 1 |
| 2. | HS8461 | Advanced Reading and Writing | EEC | 2 | 0 | 0 | 2 | 1 |
| 3. | CS8611 | Mini Project | EEC | 2 | 0 | 0 | 2 | 1 |
| 4. | HS8581 | Professional Communication | EEC | 2 | 0 | 0 | 2 | 1 |
| 5. | CS8811 | Project Work | EEC | 20 | 0 | 0 | 20 | 10 |

SUMMARY

| | | | C | | CREDITS TOTAL | Percentage | | | | | |
|-------|---------------------------|----|----|-----|------------------|------------|----|-----|------|-----|-------|
| S.NO. | SUBJECTAREA | I | II | III | V | v | VI | VII | VIII | | |
| 1. | HS | 4 | 7 | | | | | 3 | | 14 | 7.60% |
| 2. | BS | 12 | 7 | 4 | 4 | 4 | | | | 31 | 16.8% |
| 3. | ES | 9 | 5 | 9 | | | | | | 23 | 12.5% |
| 4. | РС | | 5 | 10 | 19 | 18 | 20 | 10 | | 82 | 44.5% |
| 5. | PE | | | | | | 3 | 6 | 6 | 15 | 8.15% |
| 6. | OE | | | | | 3 | | 3 | | 6 | 3.3% |
| 7. | EEC | | | 1 | 1 | | 2 | | 10 | 14 | 7.65% |
| | Total | 25 | 24 | 24 | 24 | 25 | 25 | 22 | 16 | 185 | |
| 8. | Non Credit / Mandatory | | | | | | | | | | |

ANNA UNIVERSITY, CHENNAI

AFFILIATED INSTITUTIONS

B.E. ELECTRONICS AND COMMUNICATION ENGINEERING REGULATIONS – 2017

PROGRAMME EDUCATIONAL OBJECTIVES:

- PEO1: To enable graduates to pursue research, or have a successful career in academia or industries associated with Electronics and Communication Engineering, or as entrepreneurs.
- PEO2: To provide students with strong foundational concepts and also advanced techniques and tools in order to enable them to build solutions or systems of varying complexity.
- PEO3: To prepare students to critically analyze existing literature in an area of specialization and ethically develop innovative and research oriented methodologies to solve the problems identified.

PROGRAMME OUTCOMES:

Engineering Graduates will be able to:

- 1. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **3. Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

- 4. **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineeringactivities with an understanding of the limitations.
- 6. **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. **Individual and team work**: Function effectively as an individual, and as a member orleader in diverse teams, and in multidisciplinary settings.
- 10. **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11. **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **12. Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OBJECTIVES (PSOs)

- 1. To analyze, design and develop solutions by applying foundational concepts of electronics and communication engineering.
- 2. To apply design principles and best practices for developing quality products for scientificand business applications.
- **3**. To adapt to emerging information and communication technologies (ICT) to innovate ideasand solutions to existing/novel problems.

| Contribution 1: | : | Reasonable | 2: | Significant | 3: | Strong |
|-----------------|---|------------|----|-------------|----|--------|
|-----------------|---|------------|----|-------------|----|--------|

MAPPING OF PROGRAMME EDUCATIONAL OBJECTIVES WITH PROGRAMME OUTCOMES

A broad relation between the programme objective and the outcomes is given in the following table

| PROGRAMME EDUCATIONA | | | | | | ROGRAI DUTCON | | | | | | |
|-------------------------|---|---|---|---|---|------------------|---|---|---|---|---|---|
| L | Α | В | С | D | Ε | F | G | Η | Ι | J | K | L |
| OBJECTIVES | | | | | | | | | | | | |
| 1 | 3 | 3 | 2 | 3 | 2 | 1 | 1 | 2 | 1 | 1 | 3 | 1 |
| 2 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 1 | 2 | 2 | 2 |

MAPPING OF PROGRAM SPECIFIC OBJECTIVES WITH PROGRAMME OUTCOMES

A broad relation between the Program Specific Objectives and the outcomes is given in the following table

| PROGRAM SPECIFIC | | | | | | ROGRAN DUTCON | | | | | | | | |
|---------------------|---|---|---|---|---|------------------|---|---|---|---|---|---|--|--|
| OBJECTIVES | Α | B | B C D E F G H I J | | | | | | | | | | | |
| 1 | 3 | 3 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | |
| 2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 1 | 3 | 3 | 3 | | |
| 3 | 3 | 3 | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | | | | | | | |

ANNA UNIVERSITY, CHENNAI

AFFILIATED INSTITUTIONS

B.E. ELECTRONICS AND COMMUNICATION ENGINEERING REGULATIONS – 2017

CHOICE BASED CREDIT SYSTEM

MAPPING OF COURSE OUTCOMES WITH PROGRAMME OUTCOMES:

A broad relation between the Course Outcomes and Programme Outcomes is given in thefollowing table

| | COURSE OUTCOMES | | | PRO | OGI | RAN | 1M | E OI | UTC | CON | 1ES | | |
|-----|--|----------|--------|--------|--------|--------|-----------|------|-----|-----|-----|--------|----------|
| Sem | Course Name | а | b | c | d | e | f | g | h | i | j | k | 1 |
| | Communicative English | | | | | | ٧ | ٧ | ٧ | ٧ | ٧ | ٧ | |
| | Engineering Mathematics – I | V | ٧ | ٧ | ٧ | | | | | | | ٧ | ٧ |
| | Engineering Physics | V | ٧ | ٧ | ٧ | | | | | | | ٧ | ٧ |
| | Engineering Chemistry | V | ٧ | ٧ | ٧ | | | | | | | ٧ | ٧ |
| Ι | Problem Solving and Python Programming | V | ٧ | ٧ | ٧ | V | | | | | | V | ٧ |
| | Engineering Graphics | V | | | | | | | | | V | V | ٧ |
| | Problem Solving and Python Programming | | | | | | | | | | | | |
| | Laboratory | V | ٧ | ٧ | ٧ | ٧ | | | | | | ٧ | ٧ |
| | Physics and Chemistry Laboratory | V | ٧ | ٧ | ٧ | | | | | | | ٧ | ٧ |
| | | | | | | | | | | | | | |
| | Technical English | | | | | V | V | ٧ | ٧ | ٧ | ٧ | V | ٧ |
| | Engineering Mathematics – II | V | ٧ | ٧ | ٧ | | | | | | | ٧ | ٧ |
| | Physics for Electronics Engineering | V | ٧ | ٧ | ٧ | | | | | | | ٧ | ٧ |
| | Basic Electrical and Instrumentation | ., | ., | | | | | | | | | ., | |
| II | Engineering Circuit Anglusia | V | V , | V , | V , | ۷ ر | V , | | | | | V v | V , |
| | Circuit Analysis Electronic Devices | V | V , | V | V | ۷ ر | ۷ ر | | | | | ۷ ر | √ , |
| | | V | V | V | V | V | ٧ | | | | | ۷ ر | √ , |
| | Circuits and Devices Laboratory | ۷ | V | V | V | ٧ | | | | | | V | V |
| | Engineering Practices Laboratory | ٧ | V | V | V | ٧ | | | | | | ٧ | V |
| | Linear Algebra and Partial Differential Equations | V | v | v | v | v | | | | | | v | v |
| | Fundamentals of Data Structures In C | V | ٧ | ٧ | ٧ | V | V | | | | | V | ٧ |
| | Electronic Circuits- I | V | ٧ | ٧ | ٧ | V | V | | | | | V | V |
| | Signals and Systems | V | ٧ | ٧ | ٧ | V | V | | | | | V | ٧ |
| II | Digital Electronics | V | ٧ | ٧ | ٧ | V | V | | | | | V | ٧ |
| Ι | Control System Engineering | V | ٧ | ٧ | ٧ | V | V | | | | | V | V |
| | Fundamentals of Data Structures in C Laboratory | ٧ | ٧ | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| | Analog and Digital Circuits Laboratory | V | ٧ | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| | Interpersonal Skills/Listening &Speaking | | | | | | ٧ | | ٧ | ٧ | ٧ | ٧ | V |
| | | | . | . | . | | | | | | | | <u> </u> |
| | Probability and Random Processes Electronic Circuits II | <u>۷</u> | V | V | V | V | | | | | | V | V |
| | Electronic Circuits II | V | ٧ | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |

| | Communication Theory | V | V | V | V | v | V | | | | | V | v |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Electromagnetic Fields | V | V | V | V | v | V | | | | | V | V |
| IV | Linear Integrated Circuits | V | v | v | V | V | V | | | | | V | V |
| | Environmental Science and Engineering | V | V | - | V | - | V | v | V | | | V | V |
| | Circuits Design and Simulation Laboratory | V | V | ٧ | V | ٧ | V | - | | | | V | V |
| | Linear Integrated Circuits Laboratory | V | V | V | V | V | V | | | | | V | V |
| | | | - | - | - | - | - | | | | | | - |
| | Digital Communication | V | ٧ | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| | Discrete-Time Signal Processing | V | V | V | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| | Computer Architecture and Organization | V | ٧ | ٧ | ٧ | | ٧ | | | | | ٧ | ٧ |
| | Communication Networks | V | V | V | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| V | Professional Elective I | | | | | | | | | | | | |
| | Open Elective I | | | | | | | | | | | | |
| | Digital Signal Processing Laboratory | V | ٧ | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| | Communication Systems Laboratory | V | ٧ | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| | Networks Laboratory | V | V | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| | | | | | | | | | | | | | |
| | Microprocessors and Microcontrollers | V | V | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| | VLSI Design | V | V | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| | Wireless Communication | V | V | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| | Principles of Management | | | | | | ٧ | ٧ | ٧ | | ٧ | ٧ | ٧ |
| VI | Transmission Lines and RF Systems | V | V | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| • • • | Professional Elective -II | | | | | | | | | | | | |
| | Microprocessors and Microcontrollers | V | v | v | v | v | v | | | | | v | v |
| | Laboratory | | | | - | _ | - | | | | | | - |
| | VLSI Design Laboratory | V | V | ٧ | V | V | V | | | | | V | V |
| | Technical Seminar | | | | | | | | | | | | |
| | Professional Communication | | | | | | ٧ | | | | ٧ | | V |
| | | | | | | | | | | | | | |
| | Antennas and Microwave Engineering | V | ٧ | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| | Optical Communication | V | V | ٧ | ٧ | | ٧ | | | | | ٧ | ٧ |
| | Embedded and Real Time Systems | V | V | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| VII | Ad hoc and Wireless Sensor Networks | V | V | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| • 11 | Professional Elective -III | | | | | | | | | | | | |
| | Open Elective - II | | | | | | | | | | | | |
| | Embedded Laboratory | V | V | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| | Advanced Communication Laboratory | V | ٧ | ٧ | ٧ | ٧ | ٧ | | | | | ٧ | ٧ |
| | | | | | | | | | | | | | |
| ***** | Professional Elective - IV | | | | | | | | | | | | |
| VIII | Professional Elective - V | , | | | | | | | | | | | |
| | Project Work | V | V | V | V | ٧ | V | | V | ٧ | ٧ | V | V |

ANNA UNIVERSITY, CHENNAIAFFILIATED INSTITUTIONS

B.E. ELECTRONICS AND COMMUNICATION ENGINEERING REGULATIONS – 2017

CHOICE BASED CREDIT SYSTEM

I - VIII SEMESTERS CURRICULA AND SYLLABI

| | SEMESTER I | | | | | | | | | | | | |
|-----------|----------------|--|----------|--------------------|----|---|----|----|--|--|--|--|--|
| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С | | | | | |
| | | TI | HEORY | | | | | | | | | | |
| 1. | HS8151 | Communicative English | HS | 4 | 4 | 0 | 0 | 4 | | | | | |
| 2. | MA8151 | Engineering Mathematics - I | BS | 4 | 4 | 0 | 0 | 4 | | | | | |
| 3. | PH8151 | Engineering Physics | BS | 3 | 3 | 0 | 0 | 3 | | | | | |
| 4. | CY8151 | Engineering Chemistry | BS | 3 | 3 | 0 | 0 | 3 | | | | | |
| 5. | GE8151 | Problem Solving and Python Programming | ES | 3 | 3 | 0 | 0 | 3 | | | | | |
| 6. | GE8152 | Engineering Graphics | ES | 6 | 2 | 0 | 4 | 4 | | | | | |
| | • | PRA | CTICALS | | | | | | | | | | |
| 7. | GE8161 | Problem Solving and Python Programming Laboratory | ES | 4 | 0 | 0 | 4 | 2 | | | | | |
| 8. | BS8161 | Physics and Chemistry Laboratory | BS | 4 | 0 | 0 | 4 | 2 | | | | | |
| | | | TOTAL | 31 | 19 | 0 | 12 | 25 | | | | | |

SEMESTER II

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|--|----------|--------------------|----|---|---|----|
| | | TI | IEORY | | | | | |
| 1. | HS8251 | Technical English | HS | 4 | 4 | 0 | 0 | 4 |
| 2. | MA8251 | Engineering Mathematics - II | BS | 4 | 4 | 0 | 0 | 4 |
| 3. | PH8253 | Physics for Electronics Engineering | BS | 3 | 3 | 0 | 0 | 3 |
| 4. | BE8254 | Basic Electrical and Instrumentation Engineering | ES | 3 | 3 | 0 | 0 | 3 |
| 5. | EC8251 | Circuit Analysis | PC | 4 | 4 | 0 | 0 | 4 |
| 6. | EC8252 | Electronic Devices | PC | 3 | 3 | 0 | 0 | 3 |
| | | PRA | CTICALS | | | | | |
| 7. | EC8261 | Circuits and Devices Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | GE8261 | Engineering Practices Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 29 | 21 | 0 | 8 | 25 |

SEMESTER III

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|--|----------|--------------------|----|---|----|----|
| | | T | HEORY | • | | | | |
| 1. | MA8352 | Linear Algebra and Partial Differential Equations | BS | 4 | 4 | 0 | 0 | 4 |
| 2. | EC8393 | Fundamentals of Data Structures In C | ES | 3 | 3 | 0 | 0 | 3 |
| 3. | EC8351 | Electronic Circuits- I | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | EC8352 | Signals and Systems | PC | 4 | 4 | 0 | 0 | 4 |
| 5. | EC8392 | Digital Electronics | PC | 3 | 3 | 0 | 0 | 3 |
| 6. | EC8391 | Control Systems Engineering | PC | 3 | 3 | 0 | 0 | 3 |
| | | PRA | CTICALS | · | | | | |
| 7. | EC8381 | Fundamentals of Data Structures in C Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 8. | EC8361 | Analog and Digital Circuits Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 9. | HS8381 | Interpersonal Skills/Listening &Speaking | EEC | 2 | 0 | 0 | 2 | 1 |
| | | | TOTAL | 30 | 20 | 0 | 10 | 25 |

SEMESTER IV

| Sl. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|--|----------|--------------------|----|---|---|----|
| | | THE | CORY | | | | | |
| 1. | MA8451 | Probability and Random Processes | BS | 4 | 4 | 0 | 0 | 4 |
| 2. | EC8452 | Electronic Circuits II | PC | 3 | 3 | 0 | 0 | 3 |
| 3. | EC8491 | Communication Theory | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | EC8451 | Electromagnetic Fields | PC | 4 | 4 | 0 | 0 | 4 |
| 5. | EC8453 | Linear Integrated Circuits | PC | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8291 | Environmental Science and Engineering | HS | 3 | 3 | 0 | 0 | 3 |
| | • | PRAC | FICALS | | | | | |
| 7. | EC8461 | Circuits Design and Simulation Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | EC8462 | Linear Integrated Circuits Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 28 | 20 | 0 | 8 | 24 |

SEMESTER V

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---|----------|--------------------|----|---|----|----|
| | | ĵ | THEORY | | | | | |
| 1. | EC8501 | Digital Communication | PC | 3 | 3 | 0 | 0 | 3 |
| 2. | EC8553 | Discrete-Time Signal Processing | PC | 4 | 4 | 0 | 0 | 4 |
| 3. | EC8552 | Computer Architecture and Organization | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | EC8551 | Communication Networks | PC | 3 | 3 | 0 | 0 | 3 |
| 5. | | Professional Elective I | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | | Open Elective I | OE | 3 | 3 | 0 | 0 | 3 |
| | | PR | ACTICALS | | | | | |
| 7. | EC8562 | Digital Signal Processing Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | EC8561 | Communication Systems Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 9. | EC8563 | Communication Networks Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 31 | 19 | 0 | 12 | 25 |

SEMESTER VI

| Sl. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|--|----------|--------------------|----|---|----|----|
| | | 1 | THEORY | | | | | |
| 1. | EC8691 | Microprocessors and Microcontrollers | PC | 3 | 3 | 0 | 0 | 3 |
| 2. | EC8095 | VLSI Design | PC | 3 | 3 | 0 | 0 | 3 |
| 3. | EC8652 | Wireless Communication | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | MG8591 | Principles of Management | HS | 3 | 3 | 0 | 0 | 3 |
| 5. | EC8651 | Transmission Lines and RF Systems | PC | 3 | 3 | 0 | 0 | 3 |
| 6. | | Professional Elective -II | PE | 3 | 3 | 0 | 0 | 3 |
| | | PR | ACTICALS | | | | | |
| 7. | EC8681 | Microprocessors and Microcontrollers Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | EC8661 | VLSI Design Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 9. | EC8611 | Technical Seminar | EEC | 2 | 0 | 0 | 2 | 1 |
| 10. | HS8581 | Professional Communication | EEC | 2 | 0 | 0 | 2 | 1 |
| | | | TOTAL | 30 | 18 | 0 | 12 | 24 |

SEMESTER VII

| SI.No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С | | |
|-------|--------------------------|--|----------|--------------------|----|---|---|----|--|--|
| | | T | HEORY | | | | | | | |
| 1. | Engineering PC 3 3 0 0 3 | | | | | | | | | |
| 2. | EC8751 | Optical Communication | PC | 3 | 3 | 0 | 0 | 3 | | |
| 3. | EC8791 | Embedded and Real Time Systems | PC | 3 | 3 | 0 | 0 | 3 | | |
| 4. | EC8702 | Ad hoc and Wireless Sensor Networks | PC | 3 | 3 | 0 | 0 | 3 | | |
| 5. | | Professional Elective -III | PE | 3 | 3 | 0 | 0 | 3 | | |
| 6. | | Open Elective - II | OE | 3 | 3 | 0 | 0 | 3 | | |
| | | PRA | CTICALS | | | | | | | |
| 7. | EC8711 | Embedded Laboratory | PC | 4 | 0 | 0 | 4 | 2 | | |
| 8. | EC8761 | Advanced Communication Laboratory | PC | 4 | 0 | 0 | 4 | 2 | | |
| | | | TOTAL | 26 | 18 | 0 | 8 | 22 | | |

SEMESTER VIII

| Sl. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С | |
|------------|----------------|-----------------------------|----------|--------------------|---|---|----|----|--|
| THEORY | | | | | | | | | |
| 1. | | Professional Elective IV | PE | 3 | 3 | 0 | 0 | 3 | |
| 2. | | Professional Elective V | PE | 3 | 3 | 0 | 0 | 3 | |
| PRACTICALS | | | | | | | | | |
| 3. | EC8811 | Project Work | EEC | 20 | 0 | 0 | 20 | 10 | |
| | | | TOTAL | 26 | 6 | 0 | 20 | 16 | |

TOTAL NO. OF CREDITS: 186

HUMANITIES AND SOCIALSCIENCES (HS)

| SI.NO | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-------|----------------|--|----------|--------------------|---|---|---|---|
| 1. | HS8151 | Communicative English | HS | 4 | 4 | 0 | 0 | 4 |
| 2. | HS8251 | Technical English | HS | 4 | 4 | 0 | 0 | 4 |
| 3. | GE8291 | Environmental Science and Engineering | HS | 3 | 3 | 0 | 0 | 3 |
| 4. | MG8591 | Principles of Management | HS | 3 | 3 | 0 | 0 | 3 |

BASIC SCIENCES (BS)

| Sl.NO | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | MA8151 | Engineering Mathematics I | BS | 4 | 4 | 0 | 0 | 4 |
| 2. | PH8151 | Engineering Physics | BS | 3 | 3 | 0 | 0 | 3 |
| 3. | CY8151 | Engineering Chemistry | BS | 3 | 3 | 0 | 0 | 3 |
| 4. | BS8161 | Physics and Chemistry Laboratory | BS | 4 | 0 | 0 | 4 | 2 |
| 5. | MA8251 | Engineering Mathematics II | BS | 4 | 4 | 0 | 0 | 4 |
| 6. | PH8253 | Physics for Electronics Engineering | BS | 3 | 3 | 0 | 0 | 3 |
| 7. | MA8352 | Linear Algebra and Partial Differential Equations | BS | 4 | 4 | 0 | 0 | 4 |
| 8. | MA8451 | Probability and Random Processes | BS | 4 | 4 | 0 | 0 | 4 |

ENGINEERING SCIENCES (ES)

| Sl. NO | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | GE8151 | Problem Solving and Python Programming | ES | 3 | 3 | 0 | 0 | 3 |
| 2. | GE8152 | Engineering Graphics | ES | 6 | 2 | 0 | 4 | 4 |
| 3. | GE8161 | Problem Solving and Python Programming Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 4. | BE8254 | Basic Electrical and Instrumentation Engineering | ES | 3 | 3 | 0 | 0 | 3 |
| 5. | GE8261 | Engineering Practices Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 6. | EC8393 | Fundamentals of Data Structures In C | ES | 3 | 3 | 0 | 0 | 3 |
| 7. | EC8381 | Fundamentals of Data Structures in C Laboratory | ES | 4 | 0 | 0 | 4 | 2 |

PROFESSIONAL CORE (PC)

| Sl.NO | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | EC8251 | Circuit Analysis | PC | 4 | 4 | 0 | 0 | 4 |
| 2. | EC8252 | Electronic Devices | PC | 3 | 3 | 0 | 0 | 3 |
| 3. | EC8261 | Circuits and Devices Lab | РС | 4 | 0 | 0 | 4 | 2 |
| 4. | EC8351 | Electronic Circuits- I | РС | 3 | 3 | 0 | 0 | 3 |
| 5. | EC8352 | Signals and Systems | PC | 4 | 4 | 0 | 0 | 4 |
| 6. | EC8392 | Digital Electronics | PC | 3 | 3 | 0 | 0 | 3 |
| 7. | EC8391 | Control System Engineering | РС | 3 | 3 | 0 | 0 | 3 |
| 8. | EC8361 | Analog and Digital Circuits Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 9. | EC8452 | Electronic Circuits II | PC | 3 | 3 | 0 | 0 | 3 |
| 10. | EC8491 | Communication Theory | PC | 3 | 3 | 0 | 0 | 3 |
| 11. | EC8451 | Electromagnetic Fields | PC | 4 | 4 | 0 | 0 | 4 |
| 12. | EC8453 | Linear Integrated Circuits | PC | 3 | 3 | 0 | 0 | 3 |
| 13. | EC8461 | Circuits Design and Simulation Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 14. | EC8462 | Linear Integrated Circuits Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 15. | EC8501 | Digital Communication | PC | 3 | 3 | 0 | 0 | 3 |
| 16. | EC8553 | Discrete-Time Signal Processing | PC | 4 | 4 | 0 | 0 | 4 |
| 17. | EC8651 | Transmission Lines and RF Systems | PC | 3 | 3 | 0 | 0 | 3 |
| 18. | EC8552 | Computer Architecture and Organization | PC | 3 | 3 | 0 | 0 | 3 |
| 19. | EC8551 | Communication Networks | PC | 3 | 3 | 0 | 0 | 3 |
| 20. | EC8562 | Digital Signal Processing Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 21. | EC8561 | Communication Systems Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 22. | EC8563 | Communication Networks Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 23. | EC8691 | Microprocessors and Microcontrollers | PC | 3 | 3 | 0 | 0 | 3 |
| 24. | EC8095 | VLSI Design | PC | 3 | 3 | 0 | 0 | 3 |
| 25. | EC8652 | Wireless Communication | РС | 3 | 3 | 0 | 0 | 3 |
| 26. | EC8661 | VLSI Design Laboratory | РС | 4 | 0 | 0 | 4 | 2 |

| 27. | EC8681 | Microprocessors and Microcontrollers Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
|-----|--------|---|----|---|---|---|---|---|
| 28. | EC8701 | Antennas and Microwave Engineering | PC | 3 | 3 | 0 | 0 | 3 |
| 29. | EC8751 | Optical Communication | PC | 3 | 3 | 0 | 0 | 3 |
| 30. | EC8791 | Embedded and Real Time Systems | PC | 3 | 3 | 0 | 0 | 3 |
| 31. | EC8702 | Ad hoc and Wireless Sensor Networks | PC | 3 | 3 | 0 | 0 | 3 |
| 32. | EC8711 | Embedded Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 33. | EC8761 | Advanced Communication Laboratory | PC | 4 | 0 | 0 | 4 | 2 |

PROFESSIONAL ELECTIVES (PE)^{*} SEMESTER V

ELECTIVE I

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|----------------------------------|----------|--------------------|---|---|---|---|
| 1. | CS8392 | Object Oriented Programming | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | EC8073 | Medical Electronics | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | CS8493 | Operating Systems | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | EC8074 | Robotics and Automation | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | EC8075 | Nano Technology and Applications | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8074 | Human Rights | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8077 | Total Quality Management | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VI ELECTIVE II

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | CS8792 | Cryptography and Network Security | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | EC8091 | Advanced Digital Signal Processing | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | EC8001 | MEMS and NEMS | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | EC8002 | Multimedia Compression and Communication | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | EC8003 | CMOS Analog IC Design | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | EC8004 | Wireless Networks | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8075 | Intellectual Property Rights | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VII ELECTIVE III

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | EC8092 | Advanced Wireless Communication | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | EC8071 | Cognitive Radio | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | GE8072 | Foundation Skills in Integrated Product Development | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8082 | Machine Learning Techniques | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | EC8005 | Electronics Packaging and Testing | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | EC8006 | Mixed Signal IC Design | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8071 | Disaster Management | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VIII

ELECTIVE IV

| SI.No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | EC8072 | Electro Magnetic Interference and Compatibility | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | EC8007 | Low power SoC Design | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | EC8008 | Photonic Networks | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | EC8009 | Compressive Sensing | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | EC8093 | Digital Image Processing | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8076 | Professional Ethics in Engineering | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VIII ELECTIVE V

| SI.No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-------|----------------|-------------------------------------|----------|--------------------|---|---|---|---|
| 1. | EC8010 | Video Analytics | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | EC8011 | DSP Architecture and Programming | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | EC8094 | Satellite Communication | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8086 | Soft Computing | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | IT8006 | Principles of Speech Processing | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8073 | Fundamentals of Nanoscience | PE | 3 | 3 | 0 | 0 | 3 |

*Professional Electives are grouped according to elective number as was done previously.

EMPLOYABILITY ENHANCEMENT COURSES (EEC)

| S.NO | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|------|----------------|---|----------|--------------------|---|---|----|----|
| 1. | HS8381 | Interpersonal Skills/Listening & Speaking | EEC | 2 | 0 | 0 | 2 | 1 |
| 2. | EC8611 | Technical Seminar | EEC | 2 | 0 | 0 | 2 | 1 |
| 3. | HS8581 | Professional Communication | EEC | 2 | 0 | 0 | 2 | 1 |
| 4. | EC8811 | Project Work | EEC | 20 | 0 | 0 | 20 | 10 |

SUMMARY

| C NO | SUBJECT | | CR | EDIT | TS AS | S PER | R SEN | /IEST | ER | CREDITS TOTAL | Percentage |
|-------|---------------------------|----|----|------|-------|-------|-------|-------|------|------------------|------------|
| S.NO. | AREA | Ι | II | III | IV | v | VI | VII | VIII | | |
| 1. | HS | 4 | 4 | | 3 | | 3 | | | 14 | 7.56% |
| 2. | BS | 12 | 7 | 4 | 4 | | | | | 27 | 14.6% |
| 3. | ES | 9 | 5 | 5 | | | | | | 19 | 10.27% |
| 4. | РС | | 9 | 15 | 17 | 19 | 16 | 16 | | 92 | 50% |
| 5. | PE | | | | | 3 | 3 | 3 | 6 | 15 | 8.10% |
| 6. | OE | | | | | 3 | | 3 | | 6 | 3.24% |
| 7. | EEC | | | 1 | | | 2 | | 10 | 13 | 6.48% |
| | Total | 25 | 25 | 25 | 24 | 25 | 24 | 22 | 16 | 186 | |
| 8. | Non Credit / Mandatory | | | | | | | | | | |

ANNA UNIVERSITY, CHENNAI AFFILIATED INSTITUTIONS

B.E. ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATIONS – 2017

CHOICE BASED CREDIT SYSTEM

Educational Objectives

Bachelor of Electrical and Electronics Engineering curriculum is designed to prepare the graduateshaving attitude and knowledge to

- 1. Have successful technical and professional careers in their chosen fields such as circuit theory, Field theory, control theory and computational platforms.
- 2. Engross in life long process of learning to keep themselves abreast of new developments in thefield of Electronics and their applications in power engineering.

Programme Outcomes

The graduates will have the ability to

- a. Apply the Mathematical knowledge and the basics of Science and Engineering to solve the problems pertaining to Electronics and Instrumentation Engineering.
- b. Identify and formulate Electrical and Electronics Engineering problems from research literature and be ability to analyze the problem using first principles of Mathematics and Engineering Sciences.
- **c.** Come out with solutions for the complex problems and to design system components or process that fulfill the particular needs taking into account public health and safety and the social, cultural and environmental issues.
- d. Draw well-founded conclusions applying the knowledge acquired from research and research methods including design of experiments, analysis and interpretation of data and synthesis of information and to arrive at significant conclusion.
- e. Form, select and apply relevant techniques, resources and Engineering and IT tools for Engineering activities like electronic prototyping, modeling and control of systems and also being conscious of the limitations.
- f. Understand the role and responsibility of the Professional Electrical and Electronics Engineer and to assess societal, health, safety issues based on the reasoning received from the contextual knowledge.

- g. Be aware of the impact of professional Engineering solutions in societal and environmental contexts and exhibit the knowledge and the need for Sustainable Development.
- h. Apply the principles of Professional Ethics to adhere to the norms of the engineering practice and to discharge ethical responsibilities.
- i. Function actively and efficiently as an individual or a member/leader of different teams and multidisciplinary projects.
- j. Communicate efficiently the engineering facts with a wide range of engineering community and others, to understand and prepare reports and design documents; to make effective presentations and to frame and follow instructions.
- k. Demonstrate the acquisition of the body of engineering knowledge and insight and Management Principles and to apply them as member / leader in teams and multidisciplinary environments.
- I. Recognize the need for self and life-long learning, keeping pace with technological challenges in the broadest sense.

| PEO \PO | а | b | С | d | е | f | g | h | i | j | k | I |
|---------|---|---|---|---|---|---|---|---|---|---|---|--------------|
| 1 | ~ | ~ | ~ | ✓ | ✓ | ✓ | ✓ | | | | | \checkmark |
| 2 | ~ | ~ | ~ | ~ | ~ | ~ | | √ | | ~ | | |

| SEMESTER | NAME OF THE SUBJECT | PROGRAM OUTCOMES | | | | | | | | | | | | |
|----------|--|------------------|--------------|---|--------------|---|---|---|---|---|---|---|---|--|
| | | a | b | с | d | e | f | g | h | i | j | k | 1 | |
| | THEORY | | | | | | | | | | | | | |
| | Communicative English | | | | | | | | | ✓ | ✓ | | ✓ | |
| | Engineering Mathematics - I | ✓ | ✓ | | | ✓ | | | | | | | ✓ | |
| | Engineering Physics | ✓ | \checkmark | ✓ | | ✓ | | ✓ | | | | | ✓ | |
| | Engineering Chemistry | ✓ | \checkmark | ✓ | | ✓ | | | | | | | ✓ | |
| SEM I | Problem Solving and Python Programming | ~ | ✓ | ~ | √ | • | | | | | | | ~ | |
| | Engineering Graphics | | | ✓ | ✓ | | | | | | | | | |
| | PRACTICAL | | | | | | | | | | | | | |
| | Problem Solving and Python Programming Laboratory | ~ | | ~ | ~ | ~ | ~ | | | | ~ | | ~ | |
| | Physics and Chemistry Laboratory | ✓ | ✓ | | | | | | | | | | | |
| | THEORY | | | | | | | | | | | | 1 | |
| | Technical English | | | | | | | | | ✓ | ✓ | | ✓ | |
| | Engineering Mathematics - II | ✓ | ✓ | ✓ | | ✓ | | | | | | | ✓ | |
| | Physics For Electronics Engineering | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | | | ✓ | |
| | Basic Civil and Mechanical Engineering | | | | ~ | | ~ | | | | | | | |
| SEM II | Circuit Theory | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | ✓ | |
| | Environmental Science and Engineering | ~ | ~ | | | √ | ✓ | ~ | √ | | | | ~ | |
| | PRACTICALS | | | | | | | | | | | | | |
| | Engineering Practices Laboratory | ✓ | | ✓ | \checkmark | ✓ | ✓ | | | | ✓ | | | |
| | Electric Circuits Lab | ✓ | | ✓ | ✓ | ✓ | ✓ | | | | ✓ | | ✓ | |
| | THEORY | | | | | | | | | | | | | |
| | Transforms and Partial Differential Equations | ~ | ✓ | | | • | | | | | | | ~ | |
| | Digital Logic Circuits | | | | ✓ | ✓ | | | | | | | | |
| SEM III | Electromagnetic Theory | ~ | ~ | ~ | ~ | ~ | | | | | ~ | | ~ | |
| | Electrical Machines – I | ✓ | ✓ | ~ | ✓ | ✓ | | | | | ✓ | | | |

| | Electron Devices and Circuits | ✓ | ✓ | \checkmark | ✓ | ✓ | | | | | | | \checkmark |
|--------|--|---|---|-----------------------|---|---|---|---|---|--------------|--------------|--------------|--------------|
| | Power Plant Engineering | | | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | | |
| | PRACTICALS | | | | | | | | | | | | |
| | Electronics Laboratory | ✓ | | | ✓ | ✓ | | | | | | ✓ | \checkmark |
| | Electrical Machines Laboratory - I | ✓ | | | ✓ | ✓ | | | | | | ✓ | \checkmark |
| | THEORY | | | | | | | | | | | | |
| | Numerical Methods | ✓ | ✓ | ✓ | | | | | | | | | \checkmark |
| | Electrical Machines – II | ~ | ~ | ✓ | ~ | ~ | | ✓ | | | | | ~ |
| | Transmission and Distribution | ✓ | ~ | ~ | ~ | ✓ | | ~ | | | | | ~ |
| | Measurements and Instrumentation | ✓ | ~ | ~ | ~ | ~ | | | | | | | ~ |
| SEM IV | Linear Integrated Circuits and Applications | ~ | ~ | ~ | | ~ | | | | | | | |
| | Control Systems | ~ | ~ | ~ | ~ | ~ | | | | | | | ~ |
| | PRACTICALS | | | | | | | | | | | | |
| | Electrical Machines Lab II | ~ | ~ | ✓ | ~ | ✓ | | | | | | | ~ |
| | Linear and Digital Integrated Circuits Laboratory | ~ | | ~ | ~ | | | | | | ~ | ~ | ~ |
| | Technical Seminar | | | | | | | | | \checkmark | \checkmark | \checkmark | |
| | THEORY | | | | | | | | | | | | |
| | Power System Analysis | ~ | ~ | ✓ | ~ | ✓ | | ✓ | | | | | ~ |
| | Microprocessors and Microcontrollers | ~ | | ~ | | ✓ | | | ~ | ~ | | ~ | ~ |
| | Power Electronics | ~ | ~ | ~ | ~ | ~ | | ✓ | | | | | |
| SEM V | Digital Signal Processing | ✓ | ~ | ~ | ~ | ~ | | ✓ | | | | | ~ |
| | Object Oriented Programming | | | ~ | ✓ | ✓ | | | | | | | ~ |
| | Open Elective I | | | | | | | | | | | | |
| | PRACTICALS | | | | | | | | | | | | |
| | Control and Instrumentation Laboratory | | | ✓ | ✓ | ~ | ✓ | | | ✓ | ✓ | | |

| | Professional Communication | | | | | | | ✓ | ✓ | ✓ | |
|----------|--|---|--------------|-----------------------|-----------------------|--------------|--------------|---|---|---|--------------|
| | Object Oriented Programming Laboratory | | | ~ | ~ | ~ | | | | | ✓ |
| | THEORY | | | | | | | | | | |
| | Solid State Drives | ~ | ✓ | ✓ | ✓ | ~ | ~ | | | | |
| | Protection and Switchgear | ✓ | ✓ | ✓ | ✓ | ~ | ~ | | | | ~ |
| | Embedded Systems | | | | | | | | | | |
| | Professional Elective I | | | | | | | | | | |
| SEM VI | Professional Elective II | | | | | | | | | | |
| | PRACTICALS | | | | | | | | | | |
| | Power Electronics and Drives Laboratory | ~ | | ~ | ~ | | | | ~ | ~ | ✓ |
| | Microprocessors and Microcontrollers Laboratory | ✓ | | ~ | ~ | | | | ~ | ✓ | ~ |
| | Mini Project | ✓ | | ✓ | ✓ | | | | ✓ | ✓ | \checkmark |
| | THEORY | | | | | | | | | | |
| | High Voltage Engineering | √ | \checkmark | ✓ | \checkmark | \checkmark | \checkmark | | | | ✓ |
| | Power System Operation and Control | ~ | ~ | ~ | ~ | ~ | ~ | | | | ~ |
| | Renewable Energy Systems | ~ | ~ | ~ | ~ | ~ | ~ | | | | ✓ |
| | Open Elective II | | | | | | | | | | |
| SEM VII | Professional Elective III | | | | | | | | | | |
| | Professional Elective IV | | | | | | | | | | |
| | PRACTICALS | | | | | | | | | | |
| | Power System Simulation | ~ | | ✓ | ~ | | | | ~ | ~ | ✓ |
| | Laboratory Renewable Energy Systems Laboratory | ✓ | | ~ | ~ | | | | ~ | ~ | ~ |
| SEM VIII | THEORY | | | | | | | | | | |
| | Professional Elective V | | | | | | | | | | |

| Professional Elective VI | | | | | | | | | | | | |
|--------------------------|--------------|---|---|---|---|---|---|--------------|---|---|---|---|
| PRACTICALS | | | | | | | | | | | | |
| Project Work | \checkmark | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | \checkmark | ✓ | ✓ | ✓ | ✓ |

PROFESSIONAL ELECTIVE

| SL.NO. | NAME OF THE SUBJECT | PROGRAM OUTCOMES | | | | | | | | | | | | | |
|----------------|--|------------------|---|-----------------------|---|-----------------------|-----------------------|---|---|---|---|-----------------------|---|--|--|
| | | a | b | С | d | e | f | g | h | i | j | k | 1 | | |
| | THEORY | | | | | | | | | | | | | | |
| | Advanced Control System | | ✓ | ✓ | | | | | ✓ | ~ | | | | | |
| | Visual Languages and Applications | ✓ | ✓ | | ✓ | ✓ | | | | | | | | | |
| ELECTIVE – I | Design of Electrical Apparatus | ✓ | | ✓ | ✓ | ✓ | | ✓ | | | | | | | |
| | Power Systems Stability | | | | ✓ | ✓ | | | | | | | | | |
| | Modern Power Converters | ✓ | | ✓ | ✓ | ✓ | | ✓ | | | | | | | |
| | Intellectual Property Rights | | | | | | | | ✓ | | ✓ | | ✓ | | |
| | | | | | | | | | | | | | | | |
| | Principles of Robotics | \checkmark | | \checkmark | | \checkmark | | | | | | | | | |
| | Special Electrical Machines | ✓ | | ✓ | ✓ | ✓ | | | ~ | | | | | | |
| ELECTIVE – II | Power Quality | ~ | | ~ | ✓ | ✓ | | | ✓ | | | | ✓ | | |
| | EHVAC Transmission | ~ | | ~ | ✓ | ~ | | | ~ | | | | ✓ | | |
| | Communication Engineering | | | | | | | | | | | | | | |
| | Disaster Management | ✓ | | ✓ | | ✓ | ✓ | | | | | ✓ | ✓ | | |
| | Human Rights | | | ✓ | ✓ | ✓ | ✓ | | | | | | | | |
| | Operations Research | ✓ | ✓ | ✓ | | | | | ✓ | ✓ | | | ✓ | | |
| ELECTIVE – III | Probability and Statistics | | | | | | | | | | | | | | |
| | Fibre Optics and Laser | ✓ | ✓ | | | ✓ | | | | | | ✓ | ✓ | | |
| | Instrumentation | | | | | | | | | | | | | | |
| | Foundation Skills in Integrated Product Development | | | | | | | | | | | | | | |

| | System Identification and Adaptive | ✓ | ✓ | ✓ | | ✓ | | | | | | | |
|---------------|------------------------------------|---|---|--------------|--------------|--------------|---|--------------|---|---|---|---|---|
| | Control | | | | | | | | | | | | |
| | Computer Architecture | ✓ | | ✓ | | ✓ | | | | | | | |
| ELECTIVE – IV | Control of Electrical Drives | ✓ | | ~ | | ~ | | | ✓ | | | | ✓ |
| | VLSI Design | ✓ | ✓ | ~ | | | ✓ | ✓ | | | | | |
| | Power Systems Transients | | ✓ | | ✓ | ✓ | | | | | | | |
| | Total Quality Management | | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | | | | | | | | | | | | | |
| | Flexible AC Transmission Systems | ✓ | ✓ | ✓ | | ~ | | | | | ✓ | | ✓ |
| | Soft Computing Techniques | ~ | | \checkmark | | √ | | | | | | | |
| | Power Systems Dynamics | ✓ | | \checkmark | | \checkmark | | | | | | | |
| ELECTIVE – V | SMPS and UPS | ✓ | | \checkmark | | \checkmark | | | | | | | |
| | Electric Energy Generation, | ✓ | ~ | \checkmark | \checkmark | \checkmark | | \checkmark | | | | | ✓ |
| | Utilization and Conservation | | | | | | | | | | | | ľ |
| | Professional Ethics in Engineering | ✓ | ✓ | | ✓ | | | ✓ | | | | ✓ | ✓ |
| | Principals of Management | | | | | ~ | ✓ | | | ✓ | | | ľ |
| | Energy Management and Auditing | | ✓ | | | ~ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Data Structures | | | | | ~ | ✓ | | | ✓ | | | |
| | High Voltage Direct Current | ✓ | ✓ | ~ | | | | | ✓ | ✓ | | | ✓ |
| | Transmission | | | | | | | | | | | | ľ |
| ELECTIVE – VI | Microcontroller Based System | ✓ | ~ | ✓ | | | | | ✓ | ✓ | | | ✓ |
| | Design | | | | | | | | | | | | ľ |
| | Smart Grid | ✓ | ✓ | ✓ | | | | | ✓ | ✓ | | | ✓ |
| | Biomedical Instrumentation | ~ | | ~ | ~ | ~ | ~ | | | | | | |
| | Fundamentals of Nano Science | | | | | | | | | | | | |

ANNA UNIVERSITY, CHENNAI

AFFILIATED INSTITUTIONS

B.E. ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATIONS – 2017

CHOICE BASED CREDIT SYSTEM

I TO VIII SEMESTERS CURRICULA & SYLLABI

| S.NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-------|----------------|---|----------|--------------------|----|---|----|----|
| | | ſ | THEORY | | | | | |
| 1. | HS8151 | Communicative English | HS | 4 | 4 | 0 | 0 | 4 |
| 2. | MA8151 | Engineering Mathematics - I | BS | 4 | 4 | 0 | 0 | 4 |
| 3. | PH8151 | Engineering Physics | BS | 3 | 3 | 0 | 0 | 3 |
| 4. | CY8151 | Engineering Chemistry | BS | 3 | 3 | 0 | 0 | 3 |
| 5. | GE8151 | Problem Solving and Python Programming | ES | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8152 | Engineering Graphics | ES | 6 | 2 | 0 | 4 | 4 |
| | | PR | ACTICALS | | | | | |
| 7. | GE8161 | Problem Solving and Python Programming Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 8. | BS8161 | Physics and Chemistry Laboratory | BS | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 31 | 19 | 0 | 12 | 25 |

SEMESTER I

SEMESTER II

| S.NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-------|----------------|--|----------|--------------------|----|---|---|----|
| | | | THEORY | | | | | |
| 1. | HS8251 | Technical English | HS | 4 | 4 | 0 | 0 | 4 |
| 2. | MA8251 | Engineering Mathematics - II | BS | 4 | 4 | 0 | 0 | 4 |
| 3. | PH8253 | Physics for Electronics Engineering | BS | 3 | 3 | 0 | 0 | 3 |
| 4. | BE8252 | Basic Civil and Mechanical Engineering | ES | 4 | 4 | 0 | 0 | 4 |
| 5. | EE8251 | Circuit Theory | PC | 4 | 2 | 2 | 0 | 3 |
| 6. | GE8291 | Environmental Science and Engineering | HS | 3 | 3 | 0 | 0 | 3 |
| | | PR | ACTICALS | | | | | |
| 7. | GE8261 | Engineering Practices Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 8. | EE8261 | Electric Circuits Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 30 | 20 | 2 | 8 | 25 |

SEMESTER III

| S.NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTAC T | L | Т | Р | С |
|-------|----------------|-------------------------|---------------------------------------|-------------|----|---|---|----|
| | | | | PERIODS | | | | |
| THEC | DRY | | · · · · · · · · · · · · · · · · · · · | | | | | |
| 1. | MA8353 | Transforms and Partial | BS | | 4 | 0 | 0 | 4 |
| | | Differential Equations | | 4 | 4 | 0 | 0 | 4 |
| 2. | EE8351 | Digital Logic Circuits | PC | 4 | 2 | 2 | 0 | 3 |
| 3. | EE8391 | Electromagnetic | PC | 4 | 2 | 2 | 0 | 3 |
| | | Theory | | | 2 | Z | 0 | 3 |
| 4. | EE8301 | Electrical Machines - I | PC | 4 | 2 | 2 | 0 | 3 |
| 5. | EC8353 | Electron Devices and | ES | | | 0 | | 2 |
| | | Circuits | | 3 | 3 | 0 | 0 | 3 |
| 6. | ME8792 | Power Plant | ES | | 2 | 0 | 0 | 2 |
| | | Engineering | | 3 | 3 | 0 | 0 | 3 |
| PRAC | TICALS | • | | | | | | |
| 7. | EC8311 | Electronics Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 8. | EE8311 | Electrical Machines | PC | 4 | 0 | 0 | 4 | 2 |
| | | Laboratory - I | | | 0 | 0 | 4 | Z |
| | | | TOTAL | 30 | 16 | 6 | 8 | 23 |

SEMESTER IV

| S.NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-------|----------------|---|------------|--------------------|----|---|----|----|
| | | | THEORY | | | | | |
| 1. | MA8491 | Numerical Methods | BS | 4 | 4 | 0 | 0 | 4 |
| 2. | EE8401 | Electrical Machines - II | PC | 4 | 2 | 2 | 0 | 3 |
| 3. | EE8402 | Transmission and Distribution | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | EE8403 | Measurements and Instrumentation | PC | 3 | 3 | 0 | 0 | 3 |
| 5. | EE8451 | Linear Integrated Circuits and Applications | PC | 3 | 3 | 0 | 0 | 3 |
| 6. | IC8451 | Control Systems | PC | 5 | 3 | 2 | 0 | 4 |
| | | | PRACTICALS | | | | | |
| 7. | EE8411 | Electrical Machines Laboratory - II | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | EE8461 | Linear and Digital Integrated Circuits Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 9. | EE8412 | Technical Seminar | EEC | 2 | 0 | 0 | 2 | 1 |
| | | | TOTAL | 32 | 18 | 4 | 10 | 25 |

SEMESTER V

| S.NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-------|----------------|--|------------|--------------------|----|---|----|----|
| | | · | THEORY | | | | | |
| 1. | EE8501 | Power System Analysis | PC | 3 | 3 | 0 | 0 | 3 |
| 2. | EE8551 | Microprocessors and Microcontrollers | PC | 3 | 3 | 0 | 0 | 3 |
| 3. | EE8552 | Power Electronics | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | EE8591 | Digital Signal Processing | PC | 4 | 2 | 2 | 0 | 3 |
| 5. | CS8392 | Object Oriented Programming | ES | 3 | 3 | 0 | 0 | 3 |
| 6. | | Open Elective I* | OE | 3 | 3 | 0 | 0 | 3 |
| | | • | PRACTICALS | | | | | |
| 7. | EE8511 | Control and Instrumentation Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | HS8581 | Professional Communication | EEC | 2 | 0 | 0 | 2 | 1 |
| 9. | CS8383 | Object Oriented Programming Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 29 | 17 | 2 | 10 | 23 |

SEMESTER VI

| S.NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-------|----------------|---|------------|--------------------|----|---|----|----|
| | • | | THEORY | | | | | |
| 1. | EE8601 | Solid State Drives | PC | 3 | 3 | 0 | 0 | 3 |
| 2. | EE8602 | Protection and | PC | 3 | 3 | 0 | 0 | 3 |
| | | Switchgear | | | | | | |
| 3. | EE8691 | Embedded Systems | ES | 3 | 3 | 0 | 0 | 3 |
| 4. | | Professional Elective I | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | | Professional Elective II | PE | 3 | 3 | 0 | 0 | 3 |
| | | | PRACTICALS | | | | | |
| 6. | EE8661 | Power Electronics and Drives Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 7. | EE8681 | Microprocessors and Microcontrollers Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | EE8611 | Mini Project | EEC | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 27 | 15 | 0 | 12 | 21 |

SEMESTER VII

| S.NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-------|----------------|--|------------|--------------------|----|---|---|----|
| | | | THEORY | | | | | |
| 1. | EE8701 | High Voltage Engineering | PC | 3 | 3 | 0 | 0 | 3 |
| 2. | EE8702 | Power System Operation and Control | PC | 3 | 3 | 0 | 0 | 3 |
| 3. | EE8703 | Renewable Energy Systems | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | | Open Elective II* | OE | 3 | 3 | 0 | 0 | 3 |
| 5. | | Professional Elective III | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | | Professional Elective IV | PE | 3 | 3 | 0 | 0 | 3 |
| | • | | PRACTICALS | | | | | |
| 7. | EE8711 | Power System Simulation Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | EE8712 | Renewable Energy Systems Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 26 | 18 | 0 | 8 | 22 |

SEMESTER VIII

| S.NO. | COURSE CODE | COURSE TITLE | CATEG ORY | CONTACT PERIODS | L | Т | Р | С | | |
|-------|----------------|--------------------------|--------------|--------------------|---|---|----|----|--|--|
| | THEORY | | | | | | | | | |
| 1. | | Professional Elective V | PE | 3 | 3 | 0 | 0 | 3 | | |
| 2. | | Professional Elective VI | PE | 3 | 3 | 0 | 0 | 3 | | |
| | | PRA | ACTICALS | | | | | | | |
| 3. | EE8811 | Project Work | EEC | 20 | 0 | 0 | 20 | 10 | | |
| | | | TOTAL | 26 | 6 | 0 | 20 | 16 | | |

TOTAL NO. OF CREDITS: 180

*Course from the curriculum of other UG Programmes.

| S.NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-------|----------------|-----------------------------------|----------|--------------------|---|---|---|---|
| 1. | IC8651 | Advanced Control System | PE | 4 | 2 | 2 | 0 | 3 |
| 2. | EE8001 | Visual Languages and Applications | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | EE8002 | Design of Electrical Apparatus | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | EE8003 | Power Systems Stability | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | EE8004 | Modern Power Converters | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8075 | Intellectual Property Rights | PE | 3 | 3 | 0 | 0 | 3 |

PROFESSIONAL ELECTIVE -I (VI SEMESTER)

PROFESSIONAL ELECTIVE – II (VI SEMESTER)

| 1. | RO8591 | Principles of Robotics | PE | 3 | 3 | 0 | 0 | 3 |
|----|--------|-----------------------------|----|---|---|---|---|---|
| 2. | EE8005 | Special Electrical Machines | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | EE8006 | Power Quality | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | EE8007 | EHVAC Transmission | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | EC8395 | Communication Engineering | PE | 3 | 3 | 0 | 0 | 3 |

PROFESSIONAL ELECTIVE – III (VII SEMESTER)

| | | | • | , | | | | |
|----|--------|---|----|---|---|---|---|---|
| 1. | GE8071 | Disaster Management | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | GE8074 | Human Rights | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | MG8491 | Operations Research | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | MA8391 | Probability and Statistics | PE | 4 | 4 | 0 | 0 | 4 |
| 5. | EI8075 | Fibre Optics and Laser Instrumentation | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8072 | Foundation Skills in Integrated Product Development | PE | 3 | 3 | 0 | 0 | 3 |

PROFESSIONAL ELECTIVE – IV (VII SEMESTER)

| 1. | EE8008 | System Identification and Adaptive Control | PE | 3 | 3 | 0 | 0 | 3 |
|----|--------|---|----|---|---|---|---|---|
| 2. | CS8491 | Computer Architecture | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | EE8009 | Control of Electrical Drives | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | EC8095 | VLSI Design | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | EE8010 | Power Systems Transients | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8077 | Total Quality Management | PE | 3 | 3 | 0 | 0 | 3 |

| 1. | EE8011 | Flexible AC Transmission Systems | PE | 3 | 3 | 0 | 0 | 3 |
|----|--------|---|----|---|---|---|---|---|
| 2. | EE8012 | Soft Computing Techniques | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | EE8013 | Power Systems Dynamics | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | EE8014 | SMPS and UPS | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | EE8015 | Electric Energy Generation, Utilization and Conservation | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8076 | Professional Ethics in Engineering | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | MG8591 | Principles of Management | PE | 3 | 3 | 0 | 0 | 3 |

PROFESSIONAL ELECTIVE – V (VIII SEMESTER)

PROFESSIONAL ELECTIVE - VI (VIII SEMESTER)

| 1. | EE8016 | Energy Management and Auditing | PE | 3 | 3 | 0 | 0 | 3 |
|----|--------|---|----|---|---|---|---|---|
| 2. | CS8391 | Data Structures | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | EE8017 | High Voltage Direct Current Transmission | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | EE8018 | Microcontroller Based System Design | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | EE8019 | Smart Grid | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | EI8073 | Biomedical Instrumentation | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8073 | Fundamentals of Nanoscience | PE | 3 | 3 | 0 | 0 | 3 |

*Professional Electives are grouped according to elective number as was done previously.

| S.No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | HS8151 | CommunicativeEnglish | HS | 4 | 4 | 0 | 0 | 4 |
| 2. | HS8251 | Technical English | HS | 4 | 4 | 0 | 0 | 4 |
| 3. | GE8291 | Environmental Science and Engineering | HS | 3 | 3 | 0 | 0 | 3 |

HUMANITIES AND SOCIALSCIENCES (HS)

BASIC SCIENCES (BS)

| S.No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | MA8151 | Engineering Mathematics I | BS | 4 | 4 | 0 | 0 | 4 |
| 2. | PH8151 | Engineering Physics | BS | 3 | 3 | 0 | 0 | 3 |
| 3. | CY8151 | Engineering Chemistry | BS | 3 | 3 | 0 | 0 | 3 |
| 4. | BS8161 | Physics and Chemistry Laboratory | BS | 4 | 0 | 0 | 4 | 2 |
| 5. | MA8251 | Engineering Mathematics II | BS | 4 | 4 | 0 | 0 | 4 |
| 6. | PH8253 | Physics For Electronics Engineering | BS | 3 | 3 | 0 | 0 | 3 |
| 7. | MA8353 | Transforms and Partial Differential Equations | BS | 4 | 4 | 0 | 0 | 4 |
| 8. | MA8491 | Numerical Methods | BS | 4 | 4 | 0 | 0 | 4 |

ENGINEERING SCIENCES (ES)

| S.NO | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | GE8151 | Problem Solving and Python programming | ES | 3 | 3 | 0 | 0 | 3 |
| 2. | GE8152 | Engineering Graphics | ES | 6 | 2 | 0 | 4 | 4 |
| 3. | GE8161 | Problem Solving and Python programming Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 4. | BE8252 | Basic Civil and Mechanical Engineering | ES | 4 | 4 | 0 | 0 | 4 |
| 5. | GE8261 | Engineering Practices Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 6. | EC8353 | Electron Devices and Circuits | ES | 3 | 3 | 0 | 0 | 3 |

| 7. | ME8792 | Power Plant | ES | 3 | 3 | 0 | 0 | 3 |
|-----|--------|--|----|---|---|---|---|---|
| | | Engineering | | | 3 | 0 | 0 | 3 |
| 8. | EC8311 | Electronics Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 9. | CS8392 | Object Oriented Programming | ES | 3 | 3 | 0 | 0 | 3 |
| 10. | CS8383 | Object Oriented Programming Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 11. | EE8691 | Embedded Systems | ES | 3 | 3 | 0 | 0 | 3 |

PROFESSIONAL CORE (PC)

| S.No | COURSE | COURSE TITLE | CATEGORY | CONTACT | L | Т | Р | С |
|-------|--------|---|----------|---------|---|---|---|---|
| 54110 | CODE | | | PERIODS | - | - | - | C |
| 1. | EE8251 | Circuit Theory | PC | 4 | 2 | 2 | 0 | 3 |
| 2. | EE8261 | Electric Circuits Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 3. | EE8351 | Digital Logic Circuits | PC | 4 | 2 | 2 | 0 | 3 |
| 4. | EE8391 | Electromagnetic Theory | PC | 4 | 2 | 2 | 0 | 3 |
| 5. | EE8301 | Electrical Machines - I | PC | 4 | 2 | 2 | 0 | 3 |
| 6. | EE8311 | Electrical Machines Laboratory - I | PC | 4 | 0 | 0 | 4 | 2 |
| 7. | EE8401 | Electrical Machines - II | PC | 4 | 2 | 2 | 0 | 3 |
| 8. | EE8402 | Transmission and Distribution | PC | 3 | 3 | 0 | 0 | 3 |
| 9. | EE8403 | Measurements and Instrumentation | PC | 3 | 3 | 0 | 0 | 3 |
| 10. | EE8451 | Linear Integrated Circuits and Applications | PC | 3 | 3 | 0 | 0 | 3 |
| 11. | IC8451 | Control Systems | PC | 5 | 3 | 2 | 0 | 4 |
| 12. | EE8411 | Electrical Machines Laboratory II | PC | 4 | 0 | 0 | 4 | 2 |

| 13. | EE8461 | Linear and Digital Integrated Circuits Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
|-----|--------|--|----|---|---|---|---|---|
| 14. | EE8501 | Power System Analysis | PC | 3 | 3 | 0 | 0 | 3 |
| 15. | EE8551 | Microprocessors and Microcontrollers | PC | 3 | 3 | 0 | 0 | 3 |
| 16. | EE8552 | Power Electronics | PC | 3 | 3 | 0 | 0 | 3 |
| 17. | EE8591 | Digital Signal Processing | PC | 4 | 2 | 2 | 0 | 3 |
| 18. | EE8511 | Control and Instrumentation Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 19. | EE8601 | Solid State Drives | PC | 3 | 3 | 0 | 0 | 3 |
| 20. | EE8602 | Protection and Switchgear | PC | 3 | 3 | 0 | 0 | 3 |
| 21. | EE8661 | Power Electronics and Drives Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 22. | EE8681 | Microprocessors and Microcontrollers Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 23. | EE8701 | High Voltage Engineering | PC | 3 | 3 | 0 | 0 | 3 |
| 24. | EE8702 | Power System Operation and Control | PC | 3 | 3 | 0 | 0 | 3 |
| 25. | EE8703 | Renewable Energy Systems | PC | 3 | 3 | 0 | 0 | 3 |
| 26. | EE8711 | Power System Simulation Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 27. | EE8712 | Renewable Energy Systems Laboratory | PC | 4 | 0 | 0 | 4 | 2 |

EMPLOYABILITY ENHANCEMENT COURSES (EEC)

| S.No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|------|----------------|-------------------------------|----------|--------------------|---|---|----|----|
| 1. | EE8412 | Technical seminar | EEC | 2 | 0 | 0 | 2 | 1 |
| 2. | HS8581 | Professional Communication | EEC | 2 | 0 | 0 | 2 | 1 |
| 3. | EE8611 | Mini Project | EEC | 4 | 0 | 0 | 4 | 2 |
| 4. | EE8811 | Project work | EEC | 20 | 0 | 0 | 20 | 10 |

SUMMARY

| | SUBJECT | | - | С | REDIT | TS AS P | ER SE | MESTI | ER | CREDITS TOTAL |
|-------|---------------------------|----|----|-----|-------|---------|-------|-------|------|------------------|
| S.NO. | AREA | I | Π | III | IV | v | VI | VII | VIII | |
| 1. | HS | 4 | 7 | - | - | - | - | - | | 11 |
| 2. | BS | 12 | 7 | 4 | 4 | - | - | - | | 27 |
| 3. | ES | 9 | 6 | 8 | - | 5 | 3 | - | | 31 |
| 4. | РС | - | 5 | 11 | 20 | 14 | 10 | 13 | - | 73 |
| 5. | PE | | | | | | 6 | 6 | 6 | 18 |
| 6. | OE | | | | | 3 | - | 3 | | 6 |
| 7. | EEC | | | | 1 | 1 | 2 | | 10 | 14 |
| | Total | 25 | 25 | 23 | 25 | 23 | 21 | 22 | 16 | 180 |
| | Non Credit / Mandatory | - | - | - | - | - | - | - | - | 0 |

ANNA UNIVERSITY, CHENNAI AFFILIATED INSTITUTIONS B.E. MECHANICAL ENGINEERING REGULATIONS – 2017 CHOICE BASED CREDIT SYSTEM

PROGRAMME EDUCATIONAL OBJECTIVES:

Bachelor of Mechanical Engineering curriculum is designed to impart Knowledge, Skill and Attitude on the graduates to

- 1. Have a successful career in Mechanical Engineering and allied industries.
- 2. Have expertise in the areas of Design, Thermal, Materials and Manufacturing.
- **3.** Contribute towards technological development through academic research and industrial practices.
- 4. Practice their profession with good communication, leadership, ethics and social responsibility.
- 5. Graduates will adapt to evolving technologies through life-long learning.

PROGRAMME OUTCOMES

- 1. An ability to apply knowledge of mathematics and engineering sciences to develop mathematical models for industrial problems.
- 2. An ability to identify, formulates, and solve complex engineering problems. with high degree of competence.
- **3**. An ability to design and conduct experiments, as well as to analyze and interpret data obtained through those experiments.
- 4. An ability to design mechanical systems, component, or a process to meet desired needs within the realistic constraints such as environmental, social, political and economic sustainability.
- 5. An ability to use modern tools, software and equipment to analyze multidisciplinary problems.
- 6. An ability to demonstrate on professional and ethical responsibilities.
- 7. An ability to communicate, write reports and express research findings in a scientificcommunity.
- 8. An ability to adapt quickly to the global changes and contemporary practices.
- 9. An ability to engage in life-long learning.

PEO / PO Mapping

| Programme Educational Objectives | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | P07 | PO8 | PO9 |
|-------------------------------------|--------------|--------------|-----|-----|-----|-----|-----|-----|-----|
| Ι | \checkmark | \checkmark | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| II | \checkmark | ~ | ~ | | ~ | | | ~ | |
| | | ~ | | ✓ | ~ | ~ | | ~ | |
| IV | | | | | ~ | ~ | ~ | | ~ |
| V | | ~ | ✓ | ~ | ~ | | | | ~ |

| | | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | P07 | PO8 | PO9 |
|------|---|---|-----|-----|--------------|-----|---|--------------|--------------|------------|-----------------------|
| | | CommunicativeEnglish | | | | | | | ✓ | | |
| | | Engineering Mathematics I | ✓ | ✓ | ✓ | | ··· ··· | | \checkmark | | |
| | | Engineering Physics | ✓ | ✓ | ✓ | | | | | | ✓ |
| | 11 | Engineering Chemistry | | | | √ | | | | | |
| | Ш | Problem Solving and Python Programming | | | | | √ | | | | |
| | 0) | Engineering Graphics | | ✓ | ✓ | | | | ✓ | | |
| | | Problem Solving and Python Programming Laboratory | | | ✓ | | ✓ | | | | |
| | | Physics and Chemistry Laboratory | | | ✓ | | | | | | |
| _ [| | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | P07 | PO8 | PO9 |
| R 1 | | Technical English | | | | | | | ✓ | | |
| YEAR | | Engineering Mathematics II | ✓ | ✓ | \checkmark | | | | \checkmark | | ✓ |
| ≻ | | Materials Science | | | | ✓ | | | | √ | |
| | N 2 | Basic Electrical, Electronics and Instrumentation Engineering | | | | ✓ | | | | ✓ | |
| | Ĕ | Environmental Science and Engineering | | | | ✓ | | | | | |
| | 0) | Engineering Mechanics | ✓ | ✓ | | | | | ✓ | ✓ | ✓ |
| | | Engineering Practices Laboratory | | | √ | | | | | | |
| | | Basic Electrical, Electronics and Instrumentation Engineering | | | ✓ | | | | | | |
| | 4 SEM 3 SEM 2 SEM 3 SEM 2 SEM 3 SEM | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | P07 | PO8 | PO9 |
| | | Transforms and Partial Differential Equations | ✓ | √ | √ | | | | | √ | ✓ |
| | | Engineering Thermodynamics | √ | ✓ | ✓ | | | | ✓ | ✓ | |
| | | Fluid Mechanics and Machinery | ✓ | ✓ | ✓ | | | | | | |
| | | Manufacturing Technology - I | | | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ |
| | Σ | Electrical Drives and Controls | | | | | | | | | |
| | S | Manufacturing Technology Laboratory - I | | | √ | √ | | | | √ | √ |
| | | Computer Aided Machine Drawing | | | \checkmark | √ | √ | \checkmark | | ✓ | √ |
| 2 2 | | Electrical Engineering Laboratory | | | √ | | | | | | |
| YEAR | | Interpersonal Skills / Listening & Speaking | | | √ | | | | | | |
| ۲E | | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | P07 | PO8 | PO9 |
| | 4 | Statistics and Numerical Methods | ✓ | ✓ | | | | | | | |
| | Ĕ | Kinematics of Machinery | ✓ | ✓ | ✓ | | ✓ | | | | |
| | SE | Manufacturing Technology– II | ✓ | | ✓ | ✓ | ✓ | | | ✓ | \checkmark |
| | - • | Engineering Metallurgy | | | | | | | \checkmark | | |

| | | Strength of Materials for Mechanical Engineers | ✓ | ✓ | ✓ | \checkmark | | | | | |
|---------|-----|--|--------------|--------------|--------------|--------------|-----|------------|--------------|--------------|--------------|
| | | Thermal Engineering- I | ✓ | √ | | | √ | | | | |
| | | Manufacturing Technology Laboratory–II | | | √ | | | | | | |
| | | Strength of Materials and Fluid Mechanics Machinery Laboratory | | | \checkmark | | | | | | |
| | | Advanced Reading and Writing | | | | | | √ | | | ✓ |
| - | | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | P07 | PO8 | PO9 |
| | | Thermal Engineering- II | ✓ | √ | | | √ | | | √ | |
| | | Design of Machine Elements | | \checkmark | | √ | | | √ | √ | ✓ |
| | 5 | Metrology and Measurements | ✓ | | √ | √ | | | √ | √ | |
| | EM | Dynamics of Machines | ✓ | ✓ | √ | | √ | | √ | | ✓ |
| | S | Kinematics and Dynamics Laboratory | ✓ | √ | ~ | ~ | | | | | |
| | | Thermal Engineering Laboratory | ✓ | ✓ | ~ | | | | | | |
| 3 | | Metrology and Measurements Laboratory | ✓ | √ | √ | √ | | | √ | | |
| | | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | P06 | P07 | PO8 | PO9 |
| YEAR | | Design of Transmission Systems | | √ | | ~ | | | ~ | | \checkmark |
| \succ | | Computer Aided Design and Manufacturing | | ~ | ~ | | ✓ | | | | |
| | | Heat and Mass Transfer | ✓ | ✓ | ✓ | ✓ | | | | √ | ✓ |
| | М 6 | Finite Element Analysis | ✓ | ✓ | | √ | | | | | ✓ |
| | SEM | Hydraulics and Pneumatics | ✓ | √ | | ✓ | | | | √ | |
| | 0 | C.A.D. / C.A.M. Laboratory | | √ | √ | | | ✓ | | | |
| | | Design and Fabrication Project | | | | | | √ | \checkmark | | \checkmark |
| | | Professional Communication | | | | ✓ | ✓ | ✓ | ✓ | | ✓ |
| | | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | P06 | P07 | PO8 | PO 9 |
| | | Power Plant Engineering | \checkmark | \checkmark | \checkmark | \checkmark | | | | \checkmark | |
| | | Mechatronics | ~ | \checkmark | ~ | | √ | | | √ | ✓ |
| | 7 1 | Process Planning and Cost Estimation | | ✓ | | ✓ | | | | | |
| 4 | SEM | Simulation and Analysis Laboratory | \checkmark | | | | √ | | \checkmark | | |
| AR | ပ | Mechatronics Laboratory | ✓ | ~ | √ | | √ | | | √ | ✓ |
| YEAR | | Technical Seminar | | | | | | ✓ | | | |
| | 8 | Project Work | ✓ | √ | ✓ | | | √ | √ | | |
| | SEM | Principles of Management | | | | | | ~ | | | ~ |

ANNA UNIVERSITY, CHENNAI

AFFILIATED INSTITUTIONS

B.E. MECHANICAL ENGINEERING

REGULATIONS - 2017

CHOICE BASED CREDIT SYSTEM

I TO VIII SEMESTERS CURRICULA AND SYLLABISEMESTER I

| SL. NO | COURSE CODE | COURSE TITLE | CA | TEGORY | CONTACT PERIODS | L | Т | Р | С | |
|------------|----------------|--|---------|---------|--------------------|----|---|----|----|--|
| | | TH | IEORY | | | | | | | |
| 1. | HS8151 | Communicative English | | HS | 4 | 4 | 0 | 0 | 4 | |
| 2. | MA8151 | Engineering Mathematics - I | | BS | 4 | 4 | 0 | 0 | 4 | |
| 3. | PH8151 | Engineering Physics | | BS | 3 | 3 | 0 | 0 | 3 | |
| 4. | CY8151 | Engineering Chemistry | | BS | 3 | 3 | 0 | 0 | 3 | |
| 5. | GE8151 | Problem Solving and Python Programming | | ES | | 3 | 0 | 0 | 3 | |
| 6. | GE8152 | Engineering Graphics | | ES | 6 | 2 | 0 | 4 | 4 | |
| PRACTICALS | | | | | | | | | | |
| 7. | GE8161 | 4 | 0 | 0 | 4 | 2 | | | | |
| 8. | BS8161 | Laboratory | | | | 0 | 0 | 4 | 2 | |
| | | SEMI | ESTER I | Ι ΤΟΤΑΙ | 31 | 19 | 0 | 12 | 25 | |
| SL. NO | COURSE CODE | COURSE TITLE | CATE | GORY | CONTACT PERIODS | L | Т | Р | С | |
| | | TH | EORY | | | | | | | |
| 1. | HS8251 | Technical English | H | S | 4 | 4 | 0 | 0 | 4 | |
| 2. | MA8251 | Engineering Mathematics - II | В | S | 4 | 4 | 0 | 0 | 4 | |
| 3. | PH8251 | Materials Science | В | S | 3 | 3 | 0 | 0 | 3 | |
| 4. | BE8253 | Basic Electrical, Electronics and Instrumentation Engineering | E | S | 3 | 3 | 0 | 0 | 3 | |
| 5. | GE8291 | Environmental Science and Engineering | Н | S | 3 | 3 | 0 | 0 | 3 | |
| 6. | GE8292 | Engineering Mechanics | E | S | 5 | 3 | 2 | 0 | 4 | |
| PRACTICALS | | | | | | | | | | |
| 7. | GE8261 | Engineering Practices Laboratory | E | S | 4 | 0 | 0 | 4 | 2 | |
| 8. | BE8261 | Basic Electrical, Electronics and Instrumentation Engineering Laboratory | E | | 4 | 0 | 0 | 4 | 2 | |
| | | | Т | OTAL | 30 | 20 | 2 | 8 | 25 | |

SEMESTER III

| SL. NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|------------|----------------|-------------------------------------|----------|--------------------|----|---|----|----|
| | | THEOR | RY | | | | | |
| 1. | MA8353 | Transforms and Partial Differential | BS | 4 | 4 | 0 | 0 | 4 |
| | WIA6555 | Equations | | | 4 | U | 0 | 4 |
| 2. | ME8391 | Engineering Thermodynamics | PC | 5 | 3 | 2 | 0 | 4 |
| 3. | CE8394 | Fluid Mechanics and Machinery | ES | 4 | 4 | 0 | 0 | 4 |
| 4. | ME8351 | Manufacturing Technology - I | PC | 3 | 3 | 0 | 0 | 3 |
| 5. | EE8353 | Electrical Drives and Controls | ES | 3 | 3 | 0 | 0 | 3 |
| | | PRACTIO | CAL | | | | | |
| 6. | ME8361 | Manufacturing Technology | PC | 4 | 0 | 0 | 4 | 2 |
| | | Laboratory - I | | 4 | 0 | 0 | 4 | 2 |
| 7. | ME8381 | Computer Aided Machine Drawing | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | EE8361 | Electrical Engineering Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 9. | HS8381 | Interpersonal Skills / Listening & | EEC | 2 | 0 | 0 | 2 | 1 |
| | | Speaking | | | | | | |
| | | | TOTAL | 33 | 17 | 2 | 14 | 25 |

SEMESTER IV

| SL. NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С | | |
|------------|----------------|----------------------------------|----------|--------------------|----|---|----|----|--|--|
| | THEORY | | | | | | | | | |
| 1. | MA8452 | Statistics and Numerical Methods | BS | 4 | 4 | 0 | 0 | 4 | | |
| 2. | ME8492 | Kinematics of Machinery | PC | 3 | 3 | 0 | 0 | 3 | | |
| 3. | ME8451 | Manufacturing Technology – II | PC | 3 | 3 | 0 | 0 | 3 | | |
| 4. | ME8491 | Engineering Metallurgy | PC | 3 | 3 | 0 | 0 | 3 | | |
| 5. | CE8395 | Strength of Materials for | ES | 3 | 3 | 0 | 0 | 3 | | |
| | CE0393 | Mechanical Engineers | | | 3 | U | 0 | 3 | | |
| 6. | ME8493 | Thermal Engineering- I | PC | 3 | 3 | 0 | 0 | 3 | | |
| | | PRACTIO | CAL | | | | | | | |
| 7. | ME8462 | Manufacturing Technology | PC | 4 | 0 | 0 | 4 | 2 | | |
| | | Laboratory – II | | | 0 | 0 | 4 | 2 | | |
| 8. | CE8381 | Strength of Materials and Fluid | ES | 4 | | | | | | |
| | | Mechanics and Machinery | | | 0 | 0 | 4 | 2 | | |
| | | Laboratory | | | | | | | | |
| 9. | HS8461 | Advanced Reading and Writing | EEC | 2 | 0 | 0 | 2 | 1 | | |
| | | | TOTAL | 29 | 19 | 0 | 10 | 24 | | |

SEMESTER V

| SL. NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | C | | | | | |
|--|----------------|--|----------|--------------------|----|---|----|----|--|--|--|--|--|
| | | THE | ORY | | | | | | | | | | |
| 1. ME8595 Thermal Engineering- II PC 3 3 0 0 3 | | | | | | | | | | | | | |
| 2. | ME8593 | Design of Machine Elements | PC | 3 | 3 | 0 | 0 | 3 | | | | | |
| 3. | ME8501 | Metrology and Measurements | PC | 3 | 3 | 0 | 0 | 3 | | | | | |
| 4. | ME8594 | Dynamics of Machines | PC | 4 | 4 | 0 | 0 | 4 | | | | | |
| 5. | | Open Elective I | OE | 3 | 3 | 0 | 0 | 3 | | | | | |
| | | PRAC | TICAL | | | | | | | | | | |
| 6. | ME8511 | Kinematics and Dynamics Laboratory | PC | 4 | 0 | 0 | 4 | 2 | | | | | |
| 7. | ME8512 | Thermal Engineering Laboratory | PC | 4 | 0 | 0 | 4 | 2 | | | | | |
| 8. | ME8513 | Metrology and Measurements Laboratory | PC | 4 | 0 | 0 | 4 | 2 | | | | | |
| | | | TOTAL | 28 | 16 | 0 | 12 | 22 | | | | | |

SEMESTER VI

| SL. NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С | | | | |
|------------|----------------|---|----------|--------------------|----|---|----|----|--|--|--|--|
| | THEORY | | | | | | | | | | | |
| 1. | ME8651 | Design of Transmission | PC | 3 | 3 | 0 | 0 | 3 | | | | |
| 2. | ME8691 | Systems Computer Aided Design and Manufacturing | PC | 3 | 3 | 0 | 0 | 3 | | | | |
| 3. | ME8693 | Heat and Mass Transfer | PC | 5 | 3 | 2 | 0 | 4 | | | | |
| 4. | ME8692 | Finite Element Analysis | PC | 3 | 3 | 0 | 0 | 3 | | | | |
| 5. | ME8694 | Hydraulics and Pneumatics | PC | 3 | 3 | 0 | 0 | 3 | | | | |
| 6. | | Professional Elective - I | PE | 3 | 3 | 0 | 0 | 3 | | | | |
| | | PRAC | TICAL | | | | | | | | | |
| 7. | ME8681 | CAD / CAM Laboratory | PC | 4 | 0 | 0 | 4 | 2 | | | | |
| 8. | ME8682 | Design and Fabrication Project | EEC | 4 | 0 | 0 | 4 | 2 | | | | |
| 9. | HS8581 | Professional Communication | EEC | 2 | 0 | 0 | 2 | 1 | | | | |
| | | | TOTAL | 30 | 18 | 2 | 10 | 24 | | | | |

SEMESTER VII

| SL. NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTAC T | L | Т | Р | С | | | | |
|--|----------------|---|----------|-------------|----|---|----|----|--|--|--|--|
| | | | | PERIODS | | | | | | | | |
| | THEORY | | | | | | | | | | | |
| 1. ME8792 Power Plant Engineering PC 3 3 0 0 3 | | | | | | | | | | | | |
| 2. | ME8793 | Process Planning and Cost Estimation | PC | 3 | 3 | 0 | 0 | 3 | | | | |
| 3. | ME8791 | Mechatronics | PC | 3 | 3 | 0 | 0 | 3 | | | | |
| 4. | | Open Elective - II | OE | 3 | 3 | 0 | 0 | 3 | | | | |
| 5. | | Professional Elective – II | PE | 3 | 3 | 0 | 0 | 3 | | | | |
| 6. | | Professional Elective – III | PE | 3 | 3 | 0 | 0 | 3 | | | | |
| | | PRAC | CTICAL | | | | | | | | | |
| 7. | ME8711 | Simulation and Analysis Laboratory | PC | 4 | 0 | 0 | 4 | 2 | | | | |
| 8. | ME8781 | Mechatronics Laboratory | PC | 4 | 0 | 0 | 4 | 2 | | | | |
| 9. | ME8712 | Technical Seminar | EEC | 2 | 0 | 0 | 2 | 1 | | | | |
| | | | TOTAL | 28 | 18 | 0 | 10 | 23 | | | | |

SEMESTER VIII

| SL. NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTAC T PERIODS | L | Т | Р | C | | |
|------------|----------------|---------------------------|----------|------------------------|---|---|----|----|--|--|
| | | THI | EORY | | | | | | | |
| 1. | MG8591 | Principles of Management | HS | 3 | 3 | 0 | 0 | 3 | | |
| 2. | | Professional Elective– IV | PE | 3 | 3 | 0 | 0 | 3 | | |
| | PRACTICAL | | | | | | | | | |
| 3. | ME8811 | Project Work | EEC | 20 | 0 | 0 | 20 | 10 | | |
| | | | TOTAL | 29 | 9 | 0 | 20 | 16 | | |

TOTAL NUMBER OF CREDITS TO BE EARNED FOR AWARD OF THE DEGREE = 184

HUMANITIES AND SOCIAL SCIENCES (HS)

| SL. NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|------------|----------------|--|----------|--------------------|---|---|---|---|
| 1. | HS8151 | Communicative English | HS | 4 | 4 | 0 | 0 | 4 |
| 2. | HS8251 | Technical English | HS | 4 | 4 | 0 | 0 | 4 |
| 3. | GE8291 | Environmental Science and Engineering | HS | 3 | 3 | 0 | 0 | 3 |
| 4. | MG8591 | Principles of Management | HS | 3 | 3 | 0 | 0 | 3 |

BASIC SCIENCE (BS)

| SL. NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|------------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | MA8151 | Engineering Mathematics - I | BS | 5 | 3 | 2 | 0 | 4 |
| 2. | PH8151 | Engineering Physics | BS | 3 | 3 | 0 | 0 | 3 |
| 3. | CY8151 | Engineering Chemistry | BS | 3 | 3 | 0 | 0 | 3 |
| 4. | BS8161 | Physics and Chemistry Laboratory | BS | 4 | 0 | 0 | 4 | 2 |
| 5. | MA8251 | Engineering Mathematics II | BS | 4 | 4 | 0 | 0 | 4 |
| 6. | PH8251 | Materials Science | BS | 3 | 3 | 0 | 0 | 3 |
| 7. | MA8353 | Transforms and Partial Differential Equations | BS | 4 | 4 | 0 | 0 | 4 |
| 8. | MA8452 | Statistics and Numerical Methods | BS | 4 | 4 | 0 | 0 | 4 |

ENGINEERING SCIENCES (ES)

| SL. NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|------------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | GE8151 | Problem Solving and Python Programming | ES | 3 | 3 | 0 | 0 | 3 |
| 2. | GE8152 | Engineering Graphics | ES | 6 | 2 | 0 | 4 | 4 |
| 3. | GE8161 | Problem Solving and Python Programming Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 4. | BE8253 | Basic Electrical, Electronics and Instrumentation Engineering | ES | 3 | 3 | 0 | 0 | 3 |
| 5. | GE8292 | Engineering Mechanics | ES | 5 | 3 | 2 | 0 | 4 |
| 6. | GE8261 | Engineering Practices Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 7. | BE8261 | Basic Electrical, Electronics and Instrumentation Engineering Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 8. | CE8394 | Fluid Mechanics and Machinery | ES | 5 | 3 | 2 | 0 | 4 |
| 9. | EE8353 | Electrical Drives and Controls | ES | 3 | 3 | 0 | 0 | 3 |
| 10. | EE8361 | Electrical Engineering Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 11. | CE8395 | Strength of Materials for Mechanical Engineers | ES | 3 | 3 | 0 | 0 | 3 |
| 12. | CE8381 | Strength of Materials and Fluid Mechanics and Machinery Laboratory | ES | 4 | 0 | 0 | 4 | 2 |

PROFESSIONAL CORE (PC)

| SL. NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|------------|----------------|--|----------|--------------------|---|---|---|---|
| 1. | ME8391 | Engineering Thermodynamics | PC | 5 | 3 | 2 | 0 | 4 |
| 2. | ME8351 | Manufacturing Technology - I | PC | 3 | 3 | 0 | 0 | 3 |
| 3. | ME8361 | Manufacturing Technology Laboratory - I | PC | 4 | 0 | 0 | 4 | 2 |
| 4. | ME8381 | Computer Aided Machine Drawing | PC | 4 | 0 | 0 | 4 | 2 |
| 5. | ME8492 | Kinematics of Machinery | PC | 3 | 3 | 0 | 0 | 3 |
| 6. | ME8451 | Manufacturing Technology-II | PC | 3 | 3 | 0 | 0 | 3 |
| 7. | ME8491 | Engineering Metallurgy | PC | 3 | 3 | 0 | 0 | 3 |
| 8. | ME8493 | Thermal Engineering- I | PC | 3 | 3 | 0 | 0 | 3 |
| 9. | ME8462 | Manufacturing Technology Laboratory-II | PC | 4 | 0 | 0 | 4 | 2 |
| 10. | ME8595 | Thermal Engineering- II | PC | 3 | 3 | 0 | 0 | 3 |
| 11. | ME8593 | Design of Machine Elements | PC | 3 | 3 | 0 | 0 | 3 |
| 12. | ME8501 | Metrology and Measurements | PC | 3 | 3 | 0 | 0 | 3 |
| 13. | ME8594 | Dynamics of Machines | PC | 4 | 4 | 0 | 0 | 4 |
| 14. | ME8511 | Kinematics and Dynamics Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 15. | ME8512 | Thermal Engineering Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 16. | ME8513 | Metrology and Measurements Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 17. | ME8651 | Design of Transmission Systems | PC | 3 | 3 | 0 | 0 | 3 |
| 18. | ME8691 | Computer Aided Design and Manufacturing | PC | 3 | 3 | 0 | 0 | 3 |
| 19. | ME8693 | Heat and Mass Transfer | PC | 5 | 3 | 2 | 0 | 4 |
| 20. | ME8692 | Finite Element Analysis | PC | 3 | 3 | 0 | 0 | 3 |
| 21. | ME8694 | Hydraulics and Pneumatics | PC | 3 | 3 | 0 | 0 | 3 |
| 22. | ME8681 | C.A.D. / C.A.M. Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 23. | ME8682 | Design and Fabrication Project | PC | 4 | 0 | 0 | 4 | 2 |
| 24. | ME8792 | Power Plant Engineering | PC | 3 | 3 | 0 | 0 | 3 |
| 25. | ME8791 | Mechatronics | PC | 3 | 3 | 0 | 0 | 3 |
| 26. | ME8793 | Process Planning and Cost Estimation | PC | 3 | 3 | 0 | 0 | 3 |
| 27. | ME8711 | Simulation and Analysis Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 28. | ME8781 | Mechatronics Laboratory | PC | 4 | 0 | 0 | 4 | 2 |

PROFESSIONAL ELECTIVES FOR B.E. MECHANICAL

| SL. NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|------------|----------------|------------------------------------|----------|--------------------|---|---|---|---|
| 1. | ME8091 | Automobile Engineering | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | PR8592 | Welding Technology | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | ME8096 | Gas Dynamics and Jet Propulsion | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | GE8075 | Intellectual Property Rights | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | GE8073 | Fundamentals of Nanoscience | PE | 3 | 3 | 0 | 0 | 3 |

ENGINEERINGSEMESTER VI, ELECTIVE I

SEMESTER VII, ELECTIVE II

| SL. NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|------------|----------------|--|----------|--------------------|---|---|---|---|
| 1. | ME8071 | Refrigeration and Air conditioning | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | ME8072 | Renewable Sources of Energy | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | ME8098 | Quality Control and Reliability Engineering | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | ME8073 | Unconventional Machining Processes | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | MG8491 | Operations Research | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | MF8071 | Additive Manufacturing | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8077 | Total Quality Management | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VII, ELECTIVE III

| SL. NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|------------|----------------|--|----------|--------------------|---|---|---|---|
| 1. | ME8099 | Robotics | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | ME8095 | Design of Jigs, Fixtures and Press Tools | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | ME8093 | Computational Fluid Dynamics | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | ME8097 | Non Destructive Testing and Evaluation | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | ME8092 | Composite Materials and Mechanics | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8072 | Foundation Skills in Integrated Product Development | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8074 | Human Rights | PE | 3 | 3 | 0 | 0 | 3 |
| 8. | GE8071 | Disaster Management | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VIII, ELECTIVE IV

| SL. NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|------------|----------------|--|----------|--------------------|---|---|---|---|
| 1. | IE8693 | Production Planning and Control | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | MG8091 | Entrepreneurship Development | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | ME8094 | Computer Integrated Manufacturing Systems | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | ME8074 | Vibration and Noise Control | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | EE8091 | Micro Electro Mechanical Systems | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8076 | Professional Ethics in Engineering | PE | 3 | 3 | 0 | 0 | 3 |

EMPLOYABILITY ENHANCEMENT COURSES (EEC)

| SL. NO. | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|------------|----------------|-------------------------------------|----------|--------------------|---|---|----|----|
| 1. | HS8381 | Interpersonal Skills/Listening & | EEC | 4 | 0 | 0 | 4 | 2 |
| 2. | ME8712 | Technical Seminar | EEC | 2 | 0 | 0 | 2 | 1 |
| 3. | ME8811 | Project Work | EEC | 20 | 0 | 0 | 20 | 12 |
| 4. | HS8461 | Advanced Reading and Writing | EEC | 2 | 0 | 0 | 2 | 1 |
| 5. | ME8682 | Design and Fabrication Project | EEC | 4 | 0 | 0 | 4 | 2 |
| 6. | HS8581 | Professional Communication | EEC | 2 | 0 | 0 | 2 | 1 |

SUMMARY

| SL. | SUBJECT | | | C | REDITS | PER | SEMES | STER | | CREDITS TOTAL | Percentage % |
|-----|---------------------------|----|--------|-----|--------|-----|-------|------|------|------------------|--------------|
| NO. | AREA | Ι | I I | III | IV | V | VI | VII | VIII | | |
| 1. | HS | 4 | 7 | - | - | - | | - | 3 | 14 | 7.61% |
| 2. | BS | 12 | 7 | 4 | 4 | - | - | - | - | 27 | 14.67% |
| 3. | ES | 9 | 11 | 9 | 5 | - | - | - | - | 33 | 17.80% |
| 4. | РС | - | - | 11 | 14 | 19 | 18 | 13 | - | 74 | 40.22% |
| 5. | PE | - | - | - | - | - | 3 | 6 | 3 | 15 | 8.15% |
| 6. | OE | - | - | - | - | 3 | - | 3 | | 6 | 3.26% |
| 7. | EEC | - | - | 1 | 1 | - | 3 | 1 | 10 | 16 | 7.6% |
| | Total | 25 | 25 | 25 | 24 | 22 | 24 | 23 | 16 | 184 | |
| 8. | Non Credit / Mandatory | | | | | | | | | | |

ANNA UNIVERSITY, CHENNAI

AFFILIATED INSTITUTIONS

B.TECH INFORMATION TECHNOLOGY

REGULATIONS – 2017

CHOICE BASED CREDIT SYSTEM

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- 1. To ensure graduates will be proficient in utilizing the fundamental knowledge of basic sciences, mathematics and Information Technology for the applications relevant to various streams of Engineering and Technology.
- 2. To enrich graduates with the core competencies necessary for applying knowledge of computers and telecommunications equipment to store, retrieve, transmit, manipulate and analyze data in the context of business enterprise.
- **3**. To enable graduates to think logically, pursue lifelong learning and will have the capacity to understand technical issues related to computing systems and to design optimal solutions.
- 4. To enable graduates to develop hardware and software systems by understanding the importance of social, business and environmental needs in the human context.
- 5. To enable graduates to gain employment in organizations and establish themselves as professionals by applying their technical skills to solve real world problems and meet the diversified needs of industry, academia and research.

PROGRAM OUTCOMES (POs)

ENGINEERING GRADUATES WILL BE ABLE TO:

- 1. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10. **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11. **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- 12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OBJECTIVES (PSOs)

- 1. To create, select, and apply appropriate techniques, resources, modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- 2. To manage complex IT projects with consideration of the human, financial, ethical and environmental factors and an understanding of risk management processes, and operational and policy implications.

MAPPING OF PROGRAMME EDUCATIONAL OBJECTIVES WITH PROGRAMME OUTCOMES

A broad relation between the programme objective and the outcomes is given in the following table

| PROGRAMME EDUCATIONAL OBJECTIVES | | | | P | ROC | GRA | MM | E O | UT(| CON | IES | |
|-----------------------------------|---|---|---|---|-----|-----|----|-----|-----|-----|------------|---|
| PROGRAMINE EDUCATIONAL ODJECTIVES | Α | B | С | D | E | F | G | Η | Ι | J | K | L |
| 1 | 3 | 2 | | | | | | | | | | |
| 2 | 3 | 3 | 1 | 1 | | | | | | | | 2 |
| 3 | | | 3 | | | 1 | | | | | | 3 |
| 4 | | | 3 | | 1 | 2 | 3 | 1 | | | | |
| 5 | | | | 3 | | | | 1 | 1 | 2 | 2 | 1 |

MAPPING OF PROGRAM SPECIFIC OBJECTIVES WITH PROGRAMME OUTCOMES

A broad relation between the Program Specific Objectives and the outcomes is given in the followingtable

| PROGRAM | | | | Р | ROGRA | MME (| OUTCO | MES | | | | |
|------------------------|---|---|---|---|-------|-------|-------|-----|---|---|---|---|
| SPECIFIC OBJECTIVES | A | В | С | D | Е | F | G | Н | Ι | J | K | L |
| 1 | 3 | 2 | | | 3 | | | | 2 | 2 | | |
| 2 | | | | 3 | | | 3 | 3 | | | 3 | |

Contribution1: Reasonable2:Significant3:Strong

SEMESTER I

| SI. No | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | P07 | PO8 | PO9 | PO10 | P011 | PO12 |
|-----------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1. | Communicative English | | | | | | | | | 3 | 3 | 2 | 2 |
| 2. | Engineering Mathematics I | 3 | 3 | 3 | | | | | | 2 | | | 2 |
| 3. | Engineering Physics | 3 | 3 | 3 | | | | 2 | | | | | 1 |
| 4. | Engineering Chemistry | 3 | 2 | 2 | | | | 3 | | | | | 1 |
| 5. | Problem Solving and Python Programming | 3 | 2 | 2 | | 3 | | | | | | | 2 |
| 6. | Engineering Graphics | 3 | 3 | | | | 2 | | | | | | 2 |
| 7. | Problem Solving and Python Programming Laboratory | 3 | 3 | 3 | | 3 | | | | | | | 2 |
| 8. | Physics and Chemistry Laboratory | 3 | 3 | | | | | | | | | | |

| | | | | | SEI | MESTER | | | | | | | |
|------|--|-----|-----|-----|-----|--------|-----|-----|-----|-----|------|------|------|
| S.No | COURSE TITLE | P01 | PO2 | PO3 | PO4 | PO5 | PO6 | P07 | PO8 | PO9 | PO10 | PO11 | PO12 |
| 1. | Technical English | | | | | | | | | 3 | 3 | 2 | 2 |
| 2. | Engineering MathematicsII | 3 | 3 | 3 | | | | | | 2 | | | 2 |
| 3. | Physics for Information Science | 3 | 3 | 2 | | | | 2 | | | | | 2 |
| 4. | Basic Electrical, Electronics and Measurement Engineering | 3 | 2 | | | | | | | | | | |
| 5. | Information Technology Essentials | 3 | 3 | 3 | | 3 | | | | | 2 | 1 | 2 |
| 6. | Programming in C | 3 | 3 | 3 | | 2 | | | | | | | 2 |
| 7. | Engineering Practices Laboratory | 3 | 3 | | | | 3 | | | | | | 1 |
| 8. | C Programming Laboratory | 3 | 3 | 3 | | 3 | | | | | | | 2 |
| 9. | Information Technology Essentials Laboratory | 3 | 3 | 3 | | 3 | | | | | 2 | 2 | 2 |

| | | | | | | SEMES | FER IV | | | | | | |
|-----------|---|-----|-----|-----|-----|-------|--------|-----|-----|-----|------|------|------|
| Sl. No | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| 1. | Discrete Mathematics | 3 | 3 | 2 | | | | | | | | | 1 |
| 2. | Digital Principles and System Design | 3 | 3 | 3 | | | | | | | | | |
| 3. | Data Structures | 3 | 3 | 3 | | | | | | | | | |
| 4. | Object Oriented Programming | 2 | 2 | 3 | | 3 | | | | | | | |
| 5. | Analog and Digital Communication | 3 | 3 | 2 | | | | | | | | | |
| 6. | Data Structures Laboratory | 3 | 3 | 3 | | 2 | | | | | | | |
| 7. | Object Oriented Programming Laboratory | 3 | 2 | 3 | | 3 | | | | | | | |
| 8. | Digital Systems Laboratory | 3 | 3 | 3 | | 2 | | | | | | | |
| 9. | Interpersonal Skills/Listening & Speaking | | | | | | | | | 3 | 3 | 1 | 2 |

| | | | | | | SEMES | TER IV | | | | | | |
|-----------|---|-----|-----|-----|-----|-------|--------|-----|-----|-----|------|------|------|
| Sl. No | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| 1. | Probability and Statistics | 3 | 3 | 3 | | | | | | | | | |
| 2. | Computer Architecture | 3 | 2 | 3 | | | | | | | | | |
| 3. | Database Management Systems | 3 | 2 | 3 | | | | | | | | | |
| 4. | Design and Analysis of Algorithms | 3 | 3 | 2 | 2 | | | | | | | | |
| 5. | Operating Systems | 3 | 1 | 3 | | | | | | | | | |
| 6. | Environmental Science and Engineering | | | | | | | 3 | | | | | |
| 7. | Database Management Systems Laboratory | 3 | 2 | 3 | | 2 | | | | | | | |
| 8. | Operating Systems Laboratory | 3 | 1 | 3 | | 2 | | | | | | | |
| 9. | Advanced Reading and Writing | | | | | | | | | 3 | 3 | 1 | 2 |

| | | | | | | SEMES | TER V | | | | | | |
|-----------|--|-----|-----|-----|-----|-------|-------|-----|-----|-----|------|------|------|
| Sl. No | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| 1. | Algebra and Number Theory | 3 | 3 | 2 | | | | | | | | | |
| 2. | Computer Networks | 3 | 1 | 2 | | | | | | | | | |
| 3. | Microprocessors and Microcontrollers | 3 | 2 | 3 | | | | | | | | | |
| 4. | Web Technology | 3 | 1 | 1 | | 3 | | | | | | | |
| 5. | Software Engineering | 3 | 1 | 2 | | | | | | | 3 | | |
| 6. | Microprocessors and Microcontrollers Laboratory | 3 | 2 | 3 | | 2 | | | | | | | |
| 7. | Networks Laboratory | 3 | 1 | 2 | | 2 | | | | | | | |
| 8. | Web Technology Laboratory | 3 | 1 | 1 | | 3 | | | | | | | |

| | | | | | S | SEMEST | ER VI | | | | | | |
|-----------|---|-----|-----|-----|-----|--------|-------|-----|-----|-----|------|------|------|
| Sl. No | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| 1. | Computational Intelligence | 3 | 3 | 3 | 3 | | 2 | | | | | | |
| 2. | Object Oriented Analysis and Design | 3 | 3 | 3 | 3 | | | | | | | | |
| 3. | Mobile Communication | 3 | 2 | 3 | | | | | | | | | |
| 4. | Big Data Analytics | 3 | 3 | 3 | 3 | | 2 | | | | | | |
| 5. | Computer Graphics and Multimedia | 3 | | 3 | | 2 | | | | | | | |
| 6. | Mobile Application Development Laboratory | 1 | | 2 | | 3 | | | | | | | |
| 7. | Object Oriented Analysis and Design Laboratory | 3 | 3 | 3 | 2 | 3 | | | | | | | |
| 8. | Mini Project | 3 | 3 | 3 | 1 | 3 | 3 | 3 | | | | | |

| | | | | S | SEMEST | TER VII | | | | | | | |
|-----------|--|-----|-----|-----|--------|---------|-----|-----|-----|-----|------|------|------|
| SI. No | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | P07 | PO8 | PO9 | PO10 | P011 | PO12 |
| 1. | Principles of Management | | | | | | | | 2 | 2 | 3 | 3 | 2 |
| 2. | Cryptography and Network Security | 3 | 3 | 3 | 2 | | 2 | | | | | | |
| 3. | Cloud Computing | 2 | 3 | 3 | 2 | | 2 | | | | | | |
| 4. | Open Elective II | | | | | | | | | | | | |
| 5. | Professional Elective II | | | | | | | | | | | | |
| 6. | Professional Elective III | | | | | | | | | | | | |
| 7. | FOSS and Cloud Computing Laboratory | 2 | 3 | 3 | 2 | 3 | 2 | | | | | | |
| 8. | Security Laboratory | 3 | 3 | 3 | 2 | | 3 | | | | | | |

SEMESTER VIII

| SI. No | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | P07 | PO8 | PO9 | PO10 | P011 | PO12 |
|-----------|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1. | ProfessionalElective IV | | | | | | | | | | | | |
| 2. | ProfessionalElective V | | | | | | | | | | | | |
| 3. | Project Work | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | 3 | 3 | 3 | 2 |

PROFESSIONAL ELECTIVES (PE)

SEMESTER VI ELECTIVE - I

| SI. No | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | P011 | PO12 |
|-----------|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1. | Software Testing | 2 | 2 | | 3 | | | | | | | | |
| 2. | Graph Theory and Applications | 3 | 3 | 2 | 3 | | | | | | | | |
| 3. | Digital SignalProcessing | 3 | 3 | 3 | 3 | | 2 | 2 | | | | | |
| 4. | Information Storage and Management | 3 | 3 | | | | | | | | | | |
| 5. | Agile Methodologies | 3 | | | | 3 | | | | 3 | 3 | 3 | |
| 6. | Embedded Systems | 2 | 2 | 3 | | | 2 | 3 | | | | | |
| 7. | Intellectual Property Rights | | | | | | | | 3 | | 3 | 3 | |
| 8. | | | | | | | | | | | | | |

ELECTIVE - II

| SI. No | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | P011 | PO12 |
|-----------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1. | Web Development Frameworks | 2 | | 3 | | 3 | | | | | | | |
| 2. | Machine Learning Techniques | 3 | 3 | 3 | 2 | | 2 | | | | | | |
| 3. | Formal Languages and Automata Theory | 3 | 3 | 3 | 3 | | 2 | | | | | | |
| 4. | Internet of Things | 2 | | 2 | | 3 | 3 | 3 | | | | | |
| 5. | Software Project Management | 2 | 2 | 2 | | | | | | 3 | 3 | 3 | |
| 6. | Service Oriented Architecture | 3 | 3 | 3 | | | 2 | 2 | | | | | |
| 7. | Total Quality Management | | | | | | | | 3 | 2 | 3 | 3 | 3 |
| 8. | | | | | | | | | | | | | |

| | | | | | EL | ECTIVE | - III | | | | | | |
|-----------|--|-----|-----|-----|-----|---------------|-------|-----|-----|-----|------|------|------|
| SI. No | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| 1. | Human Computer Interaction | 3 | 3 | 3 | 2 | | 3 | | | | | | |
| 2. | C# and .Net Programming | 2 | | 3 | | 3 | | | | | | | |
| 3. | Wireless Ad hocand Sensor Networks | 3 | 3 | 3 | | | | | | | | | |
| 4. | Foundation Skillsin Integrated Product Development | 3 | 3 | 3 | 2 | | 2 | 2 | | | | 3 | |
| 5. | Advanced Topicson Databases | 3 | 3 | 3 | 2 | | | | | | | | |
| 6. | Disaster Management | 2 | 2 | 2 | | | 3 | 3 | | | | | |

ELECTIVE - IV

| SI. No | COURSE TITLE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|-----------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1. | Social Network Analysis | 3 | 3 | 3 | 3 | | | | | | | | |
| 2. | Soft Computing | 2 | 3 | 3 | 3 | | | | | | | | |
| 3. | Cyber Forensics | 3 | 3 | 3 | 3 | | | | | | | | |
| 4. | Information Security | 3 | 3 | 3 | 3 | | | | | | | | |
| 5. | Digital Image Processing | 3 | 3 | 3 | 3 | | | | | | | | |
| 6. | Network Management | 2 | 3 | 3 | 3 | | | | | | | | |
| 7. | Professional Ethics in Engineering | | | | | | | | 3 | | | | 3 |

| | | | | | E | ELECTIV | 'E - V | | | | | | | |
|-----------|---|---|---|---|---|---------|--------|---|--|--|--|---|---|--|
| SI. No | No TITLE PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 | | | | | | | | | | | | | |
| 1. | Information Retrieval Techniques | 3 | 3 | 3 | | | | | | | | | | |
| 2. | Green Computing | 3 | 3 | 3 | | | 3 | 3 | | | | | | |
| 3. | Natural Language Processing | 3 | 3 | 3 | 3 | | | | | | | | | |
| 4. | Speech Processing | 3 | 3 | 3 | 3 | | | | | | | | | |
| 5. | Web Design and Management | 3 | | 3 | | | | | | | | | | |
| 6. | Electronic Commerce | 3 | 1 | 1 | | | | | | | | 3 | 3 | |
| 7. | Fundamentals of Nanoscience | 3 | 3 | 3 | | | | | | | | | | |

ANNA UNIVERSITY, CHENNAI

AFFILIATED INSTITUTIONS

B.TECH INFORMATION TECHNOLOGY REGULATIONS – 2017 CHOICE BASED CREDIT SYSTEM

I - VIII SEMESTERS CURRICULA AND SYLLABISEMESTER I

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|--|----------|--------------------|----|---|----|----|
| | | ТН | EORY | | | | | |
| 1. | HS8151 | Communicative English | HS | 4 | 4 | 0 | 0 | 4 |
| 2. | MA8151 | Engineering Mathematics - I | BS | 4 | 4 | 0 | 0 | 4 |
| 3. | PH8151 | Engineering Physics | BS | 3 | 3 | 0 | 0 | 3 |
| 4. | CY8151 | Engineering Chemistry | BS | 3 | 3 | 0 | 0 | 3 |
| 5. | GE8151 | Problem Solving and Python Programming | ES | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8152 | Engineering Graphics | ES | 6 | 2 | 0 | 4 | 4 |
| | | PRAC | CTICALS | | | | | |
| 7. | GE8161 | Problem Solving and Python Programming Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 8. | BS8161 | Physics and Chemistry Laboratory | BS | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 31 | 19 | 0 | 12 | 25 |

SEMESTER II

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|--|----------|--------------------|----|---|----|----|
| | | TH | EORY | | | | | |
| 1. | HS8251 | Technical English | HS | 4 | 4 | 0 | 0 | 4 |
| 2. | MA8251 | Engineering Mathematics - II | BS | 4 | 4 | 0 | 0 | 4 |
| 3. | PH8252 | Physics for Information Science | BS | 3 | 3 | 0 | 0 | 3 |
| 4. | BE8255 | Basic Electrical, Electronics and Measurement Engineering | ES | 3 | 3 | 0 | 0 | 3 |
| 5. | IT8201 | Information TechnologyEssentials | PC | 3 | 3 | 0 | 0 | 3 |
| 6. | CS8251 | Programming in C | PC | 3 | 3 | 0 | 0 | 3 |
| | | PRAC | TICALS | | | | | |
| 7. | GE8261 | Engineering PracticesLaboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 8. | CS8261 | C Programming Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 9. | IT8211 | Information Technology Essentials Laboratory | PC | 2 | 0 | 0 | 2 | 1 |
| | | | TOTAL | 30 | 20 | 0 | 10 | 25 |

SEMESTER III

| Sl. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---|----------|--------------------|----|---|----|----|
| THE | EORY | | | | | | | |
| 1. | MA8351 | Discrete Mathematics | BS | 4 | 4 | 0 | 0 | 4 |
| 2. | CS8351 | Digital Principles and System Design | ES | 4 | 4 | 0 | 0 | 4 |
| 3. | CS8391 | Data Structures | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8392 | Object Oriented Programming | PC | 3 | 3 | 0 | 0 | 3 |
| 5. | EC8394 | Analog and Digital Communication | PC | 3 | 3 | 0 | 0 | 3 |
| PRA | CTICALS | | · · | | | | | |
| 6. | CS8381 | Data Structures Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 7. | CS8383 | Object Oriented Programming Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | CS8382 | Digital Systems Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 9. | HS8381 | Interpersonal Skills/Listening & Speaking | EEC | 2 | 0 | 0 | 2 | 1 |
| | | | TOTAL | 31 | 17 | 0 | 14 | 24 |

SEMESTER IV

| Sl. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---|----------|--------------------|----|---|----|----|
| THE | EORY | | | | | | | |
| 1. | MA8391 | Probability and Statistics | BS | 4 | 4 | 0 | 0 | 4 |
| 2. | CS8491 | Computer Architecture | PC | 3 | 3 | 0 | 0 | 3 |
| 3. | CS8492 | Database Management Systems | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8451 | Design and Analysis of Algorithms | PC | 3 | 3 | 0 | 0 | 3 |
| 5. | CS8493 | Operating Systems | PC | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8291 | Environmental Science and Engineering | HS | 3 | 3 | 0 | 0 | 3 |
| PRA | CTICALS | | | | | | | |
| 7. | CS8481 | Database Management Systems Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | CS8461 | Operating Systems Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 9. | HS8461 | Advanced Reading and Writing | EEC | 2 | 0 | 0 | 2 | 1 |
| | | | TOTAL | 29 | 19 | 0 | 10 | 24 |

SEMESTER V

| Sl. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|--|----------|--------------------|----|---|----|----|
| | | TH | IEORY | | | | | |
| 1. | MA8551 | Algebra and Number Theory | BS | 4 | 4 | 0 | 0 | 4 |
| 2. | CS8591 | Computer Networks | PC | 3 | 3 | 0 | 0 | 3 |
| 3. | EC8691 | Microprocessors and Microcontrollers | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | IT8501 | Web Technology | PC | 3 | 3 | 0 | 0 | 3 |
| 5. | CS8494 | Software Engineering | PC | 3 | 3 | 0 | 0 | 3 |
| 6. | | Open Elective I | OE | 3 | 3 | 0 | 0 | 3 |
| | | PRA | CTICALS | | | | | |
| 7. | EC8681 | Microprocessors and Microcontrollers Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | CS8581 | Networks Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 9. | IT8511 | Web Technology Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 31 | 19 | 0 | 12 | 25 |

SEMESTER VI

| Sl. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTAC T | L | Т | Р | С |
|-----------|----------------|--|----------|-------------|----|---|----|----|
| | | | | PERIODS | | | | |
| | | TH | IEORY | | | | | |
| 1. | IT8601 | Computational Intelligence | PC | 3 | 3 | 0 | 0 | 3 |
| 2. | CS8592 | Object Oriented Analysis and Design | PC | 3 | 3 | 0 | 0 | 3 |
| 3. | IT8602 | Mobile Communication | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8091 | Big Data Analytics | PC | 3 | 3 | 0 | 0 | 3 |
| 5. | CS8092 | Computer Graphics and Multimedia | PC | 3 | 3 | 0 | 0 | 3 |
| 6. | | Professional Elective I | PE | 3 | 3 | 0 | 0 | 3 |
| | | PRA | CTICALS | | | | | |
| 7. | CS8662 | Mobile Application Development Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | CS8582 | Object Oriented Analysis and Design Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 9. | IT8611 | Mini Project | EEC | 2 | 0 | 0 | 2 | 1 |
| 10. | HS8581 | Professional Communication | EEC | 2 | 0 | 0 | 2 | 1 |
| | | | TOTAL | 30 | 18 | 0 | 12 | 24 |

SEMESTER VII

| SI.No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-------|----------------|--|----------|--------------------|----|---|---|----|
| THEO | RY | | | | | | | |
| 1. | MG8591 | Principles of Management | HS | 3 | 3 | 0 | 0 | 3 |
| 2. | CS8792 | Cryptography and Network Security | PC | 3 | 3 | 0 | 0 | 3 |
| 3. | CS8791 | Cloud Computing | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | | Open Elective II | OE | 3 | 3 | 0 | 0 | 3 |
| 5. | | Professional Elective II | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | | ProfessionalElective III | PE | 3 | 3 | 0 | 0 | 3 |
| PRAC | FICALS | • | | | | | | |
| 7. | IT8711 | FOSS and Cloud Computing Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | IT8761 | Security Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 26 | 18 | 0 | 8 | 22 |

| | | SEM | IESTER VIII | | | | | | |
|-----------|----------------|----------------------------|-------------|------------------------|---|---|----|----|--|
| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTAC T PERIODS | L | Т | Р | С | |
| THE | THEORY | | | | | | | | |
| 1. | | ProfessionalElective IV | PE | 3 | 3 | 0 | 0 | 3 | |
| 2. | | Professional Elective V | PE | 3 | 3 | 0 | 0 | 3 | |
| PRA | CTICALS | | | | | | | | |
| 3. | IT8811 | Project Work | EEC | 20 | 0 | 0 | 20 | 10 | |
| | | | TOTAL | 26 | 6 | 0 | 20 | 16 | |

TOTAL NO. OF CREDITS: 185

HUMANITIES AND SOCIAL SCIENCES (HS)

| Sl. NO | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|--|----------|--------------------|---|---|---|---|
| 1. | HS8151 | Communicative English | HS | 4 | 4 | 0 | 0 | 4 |
| 2. | HS8251 | Technical English | HS | 4 | 4 | 0 | 0 | 4 |
| 3. | GE8291 | Environmental Science and Engineering | HS | 3 | 3 | 0 | 0 | 3 |
| 4. | MG8591 | Principles of Management | HS | 3 | 3 | 0 | 0 | 3 |

BASIC SCIENCES (BS)

| Sl. NO | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|-------------------------------------|----------|--------------------|---|---|---|---|
| 1. | MA8251 | Engineering Mathematics I | BS | 4 | 4 | 0 | 0 | 4 |
| 2. | PH8151 | Engineering Physics | BS | 3 | 3 | 0 | 0 | 3 |
| 3. | CY8151 | Engineering Chemistry | BS | 3 | 3 | 0 | 0 | 3 |
| 4. | BS8161 | Physics and Chemistry Laboratory | BS | 4 | 0 | 0 | 4 | 2 |
| 5. | MA8251 | Engineering MathematicsII | BS | 4 | 4 | 0 | 0 | 4 |
| 6. | PH8252 | Physics for Information Science | BS | 3 | 3 | 0 | 0 | 3 |
| 7. | MA8351 | Discrete Mathematics | BS | 4 | 4 | 0 | 0 | 4 |
| 8. | MA8391 | Probability and Statistics | BS | 4 | 4 | 0 | 0 | 4 |
| 9. | MA8551 | Algebra and Number Theory | BS | 4 | 4 | 0 | 0 | 4 |

ENGINEERING SCIENCES (ES)

| Sl. NO | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | GE8151 | Problem Solving and Python Programming | ES | 3 | 3 | 0 | 0 | 3 |
| 2. | GE8152 | Engineering Graphics | ES | 6 | 2 | 0 | 4 | 4 |
| 3. | GE8161 | Problem Solving and Python Programming Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 4. | BE8255 | Basic Electrical, Electronics and Measurement Engineering | ES | 3 | 3 | 0 | 0 | 3 |
| 5. | GE8261 | Engineering Practices Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 6. | CS8351 | Digital Principles and System Design | ES | 4 | 4 | 0 | 0 | 4 |
| 7. | CS8382 | Digital Systems Laboratory | ES | 4 | 0 | 0 | 4 | 2 |

PROFESSIONAL CORE (PC)

| SI. | COURSE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----|--------|---|----------|--------------------|---|---|---|---|
| NO | CODE | Information Technology | | PERIODS | | | | |
| 1. | IT8201 | Essentials | PC | 3 | 3 | 0 | 0 | 3 |
| 2. | IT8211 | Information TechnologyEssentials Laboratory | PC | 2 | 0 | 0 | 2 | 1 |
| 3. | CS8251 | Programming in C | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8261 | C Programming Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 5. | CS8391 | Data Structures | PC | 3 | 3 | 0 | 0 | 3 |
| 6. | CS8392 | Object OrientedProgramming | PC | 3 | 3 | 0 | 0 | 3 |
| 7. | EC8394 | Analog and Digital Communication | PC | 3 | 3 | 0 | 0 | 3 |
| 8. | CS8381 | Data Structures Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 9. | CS8383 | Object Oriented Programming Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 10. | CS8491 | Computer Architecture | PC | 3 | 3 | 0 | 0 | 3 |
| 11. | CS8492 | Database ManagementSystems | PC | 3 | 3 | 0 | 0 | 3 |
| 12. | CS8451 | Design and Analysis of Algorithms | PC | 3 | 3 | 0 | 0 | 3 |
| 13. | CS8493 | Operating Systems | PC | 3 | 3 | 0 | 0 | 3 |
| 14. | CS8481 | Database ManagementSystems Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 15. | CS8461 | Operating Systems Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 16. | CS8591 | Computer Networks | PC | 3 | 3 | 0 | 0 | 3 |
| 17. | EC8691 | Microprocessors and Microcontrollers | PC | 3 | 3 | 0 | 0 | 3 |
| 18. | IT8501 | Web Technology | PC | 3 | 3 | 0 | 0 | 3 |
| 19. | CS8494 | Software Engineering | PC | 3 | 3 | 0 | 0 | 3 |
| 20. | EC8681 | Microprocessors and MicrocontrollersLaboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 21. | CS8581 | Networks Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 22. | IT8511 | Web Technology Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 23. | IT8601 | ComputationalIntelligence | PC | 3 | 3 | 0 | 0 | 3 |
| 24. | CS8592 | Object Oriented Analysisand Design | PC | 3 | 3 | 0 | 0 | 3 |
| 25. | IT8602 | Mobile Communication | PC | 3 | 3 | 0 | 0 | 3 |
| 26. | CS8091 | Big Data Analytics | PC | 3 | 3 | 0 | 0 | 3 |
| 27. | CS8092 | Computer Graphics and Multimedia | PC | 3 | 3 | 0 | 0 | 3 |
| 28. | CS8662 | Mobile Application Development Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 29. | CS8582 | Object Oriented Analysisand Design Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 30. | CS8792 | Cryptography and Network Security | PC | 3 | 3 | 0 | 0 | 3 |
| 31. | CS8791 | Cloud Computing | PC | 3 | 3 | 0 | 0 | 3 |
| 32. | IT8711 | FOSS and Cloud Computing Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 33. | IT8761 | Security Laboratory | PC | 4 | 0 | 0 | 4 | 2 |

PROFESSIONAL ELECTIVES (PE) SEMESTER VI

ELECTIVE - I

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTAC T PERIODS | L | Т | Р | С |
|-----------|----------------|------------------------------------|----------|------------------------|---|---|---|---|
| 1. | IT8076 | Software Testing | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | CS8077 | Graph Theory and Applications | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | IT8071 | Digital Signal Processing | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | IT8001 | Information Storage and Management | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | CS8072 | Agile Methodologies | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | IT8072 | Embedded Systems | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8075 | Intellectual Property Rights | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VII ELECTIVE - II

| Sl. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | IT8002 | Web Development Frameworks | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | CS8082 | Machine Learning Techniques | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | IT8003 | Formal Languages and Automata Theory | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8081 | Internet of Things | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | IT8075 | Software Project Management | PE | 3 | 3 | 0 | 0 | 3 |
| б. | IT8074 | Service Oriented Architecture | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8077 | Total Quality Management | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VII

ELECTIVE - III

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---|----------|--------------------|---|---|---|---|
| 1. | CS8079 | Human Computer Interaction | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | CS8073 | C# and .Net Programming | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | CS8088 | Wireless Adhoc and Sensor Networks | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | GE8072 | Foundation Skills in Integrated Product Development | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | CS8071 | Advanced Topics on Databases | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8074 | Human Rights | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8071 | Disaster Management | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VIII

ELECTIVE - IV

| SI. No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---------------------------------------|----------|--------------------|---|---|---|---|
| 1. | CS8085 | Social Network Analysis | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | CS8086 | Soft Computing | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | CS8074 | Cyber Forensics | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | IT8073 | Information Security | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | EC8093 | Digital Image Processing | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | IT8004 | Network Management | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8076 | Professional Ethics in Engineering | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VIII

ELECTIVE - V

| SI.No | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С |
|-------|----------------|-------------------------------------|----------|--------------------|---|---|---|---|
| 1. | CS8080 | Information Retrieval Techniques | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | CS8078 | Green Computing | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | CS8084 | Natural Language Processing | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | IT8077 | Speech Processing | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | IT8078 | Web Design and Management | PE | 3 | 3 | 0 | 0 | 3 |
| 6. | IT8005 | Electronic Commerce | PE | 3 | 3 | 0 | 0 | 3 |
| 7. | GE8073 | Fundamentals of Nanoscience | PE | 3 | 3 | 0 | 0 | 3 |

*Professional Electives are grouped according to elective number as was done previously.

| EMPLOYABILITY | ENHANCEMENT | COURSES | (\mathbf{FEC}) |
|-------------------|-------------|---------|------------------|
| LIVIT LOTADILIT I | | COURSES | (LLC) |

| Sl.NO | COURSE CODE | COURSE TITLE | CATEGORY | CONTACT PERIODS | L | Т | Р | С | | | |
|-------|----------------|---|----------|--------------------|---|---|----|----|--|--|--|
| 1. | HS8381 | Interpersonal Skills/ Listening & Speaking | EEC | 2 | 0 | 0 | 2 | 1 | | | |
| 2. | HS8461 | Advanced Reading and Writing | EEC | 2 | 0 | 0 | 2 | 1 | | | |
| 3. | IT8611 | Mini Project | EEC | 2 | 0 | 0 | 2 | 1 | | | |
| 4. | HS8581 | Professional Communication | EEC | 2 | 0 | 0 | 2 | 1 | | | |
| 5. | IT8811 | Project Work | EEC | 20 | 0 | 0 | 20 | 10 | | | |

| | | | С | REDIT | SAS | PER SI | EMES | TER | | | Percentage 8.6% 16.84% 11.41% 45.56% 8.15% 3.26% 7.0% |
|-------|---------------------------|----|----|-------|-----|--------|------|-----|------|------------------|---|
| S.NO. | SUBJECT AREA | I | II | III | IV | v | VI | VII | VIII | CREDITS TOTAL | Percentage |
| 1. | HS | 4 | 4 | | 3 | | | 3 | | 14 | 8.6% |
| 2. | BS | 12 | 7 | 4 | 4 | 4 | | | | 31 | 16.84% |
| 3. | ES | 9 | 5 | 6 | | | | | | 20 | 11.41% |
| 4. | PC | | 9 | 13 | 16 | 18 | 19 | 10 | | 85 | 45.56% |
| 5. | PE | | | | | 3 | 3 | 6 | 6 | 18 | 8.15% |
| 6. | OE | | | | | | | 3 | | 3 | 3.26% |
| 7. | EEC | | | 1 | 1 | | 2 | | 10 | 14 | 7.0% |
| | Total | 25 | 25 | 24 | 24 | 25 | 24 | 22 | 16 | 185 | |
| 8. | Non Credit / Mandatory | | | | | | | | | | |

ANNA UNIVERSITY, CHENNAI AFFILIATED INSTITUTIONS B.TECH. ARTIFICAL INTELLIGENCE AND DATA SCIENCE REGULATIONS – 2017 CHOICE BASED CREDIT SYSTEM

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- 1. To provide graduates with the proficiency to utilize the fundamental knowledge of basic sciences, mathematics, Artificial Intelligence, data science and statistics to build systems that require management and analysis of large volume of data.
- 2. To enrich graduates with necessary technical skills to pursue pioneering research in the field of AI and Data Science and create disruptive and sustainable solutions for the welfare of ecosystems.
- **3**. To enable graduates to think logically, pursue lifelong learning and collaborate with an ethical attitude in a multidisciplinary team.
- 4. To enable the graduates to design and model AI based solutions to critical problem domains in the real world.
- 5. To enrich the innovative thoughts and creative ideas of the graduates for effective contribution towards economy building.

PROGRAM OUTCOMES (POs) ENGINEERING GRADUATES WILL BE ABLE TO:

- 1. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and Artificial Intelligence and Data Science basics to the solution of complex engineering problems.
- 2. **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

- **3. Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. **Individual and team work**: Function effectively as an individual, and as a member or leader indiverse teams, and in multidisciplinary settings.
- 10. **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11. **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- 12. Life-long learning: Recognize the need for, and have the preparation and ability to engage inindependent and life-long learning in the broadest context of technological change.

Programme Specific Outcomes

- 1. Graduates should be able to evolve AI based efficient domain specific processes for effective decision making in several domains such as business and governance domains.
- 2. Graduates should be able to arrive at actionable Fore sight, Insight, hind sight from data for solving business and engineering problems
- **3**. Graduates should be able to create, select and apply the theoretical knowledge of AI and Data Analytics along with practical industrial tools and techniques to manage and solve wicked societal problems
- 4. Graduates should be capable of developing data analytics and data visualization skills, skills pertaining to knowledge acquisition, knowledge representation and knowledge engineering, and hence capable of coordinating complex projects.
- 5. Graduates should be able to carry out fundamental research to cater the critical needs of the society through cutting edge technologies of AI.

ANNA UNIVERSITY, CHENNAI AFFILIATED INSTITUTIONS

B.TECH. ARTIFICIAL INTELLIGENCE AND DATA SCIENCEREGULATIONS – 2017

CHOICE BASED CREDIT SYSTEM I - VIII SEMESTERS CURRICULUMSEMESTER I

| SI. No. | COURSE CODE | COURSE TITLE | CATE GORY | CONTACT PERIODS | L | Т | Р | С |
|------------|----------------|--|--------------|--------------------|----|---|----|----|
| | | THEO | RY | | | | | |
| 1. | HS8151 | Communicative English | HS | 4 | 4 | 0 | 0 | 4 |
| 2. | MA8151 | Engineering Mathematics – I | BS | 4 | 4 | 0 | 0 | 4 |
| 3. | PH8151 | Engineering Physics | BS | 3 | 3 | 0 | 0 | 3 |
| 4. | CY8151 | Engineering Chemistry | BS | 3 | 3 | 0 | 0 | 3 |
| 5. | GE8151 | Problem Solving and Python Programming | ES | 3 | 3 | 0 | 0 | 3 |
| 6. | GE8152 | Engineering Graphics | ES | 6 | 2 | 0 | 4 | 4 |
| | | PRACTIO | CALS | | | | | |
| 7. | GE8161 | Problem Solving and Python Programming Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 8. | BS8161 | Physics and Chemistry Laboratory | BS | 4 | 0 | 0 | 4 | 2 |
| | |] | TOTAL | 31 | 19 | 0 | 12 | 25 |

SEMESTER II

| SI. No. | COURSE CODE | COURSE TITLE | CATE GORY | CONTACT PERIODS | L | Т | Р | С |
|------------|----------------|--|--------------|--------------------|----|---|----|----|
| | | THEO | RY | | | | | |
| 1. | HS8251 | Technical English | HS | 4 | 4 | 0 | 0 | 4 |
| 2. | MA8252 | Linear Algebra | BS | 4 | 4 | 0 | 0 | 4 |
| 3. | AD8251 | Data Structures Design | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | GE8291 | Environmental Science and Engineering | BS | 3 | 3 | 0 | 0 | 3 |
| 5. | BE8255 | Basic Electrical, Electronics, and Measurement Engineering | ES | 3 | 3 | 0 | 0 | 3 |
| 6. | AD8252 | Digital Principles and Computer Organization | ES | 5 | 3 | 0 | 2 | 4 |
| PRAC | FICALS | | - | | | | | |
| 7. | GE8261 | Engineering Practices Laboratory | ES | 4 | 0 | 0 | 4 | 2 |
| 8. | AD8261 | Data Structures Design Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 30 | 20 | 0 | 10 | 25 |

SEMESTER III

| Sl. No. | COURSE CODE | COURSE TITLE | CATE GORY | | L | Т | Р | С |
|------------|---|---|--------------|---|---|---|---|---|
| | | THEO | RY | | | | | |
| 1. | MA8351 | Discrete Mathematics | BS | 4 | 4 | 0 | 0 | 4 |
| 2. | AD8301 | Introduction to Operating Systems | PC | 5 | 3 | 0 | 2 | 4 |
| 3. | AD8302 | Fundamentals of Data Science | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8392 | Object Oriented Programming | PC | 3 | 3 | 0 | 0 | 3 |
| 5. | AD8351 | Design and Analysis of Algorithms | PC | 5 | 3 | 0 | 2 | 4 |
| | - | PRACTI | CALS | | | | | |
| 6. | AD8311 | Data Science Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 7. | CS8383 | Object Oriented Programming Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | HS8381 | Interpersonal Skills/Listening & Speaking | HS | 2 | 0 | 0 | 2 | 1 |
| | TOTAL 30 16 0 14 23 | | | | | | | |

SEMESTER IV

| Sl. | COURSE | COURSE TITLE | CATE | · · - | L | Т | Р | С |
|-----|--------|------------------------------|-------|---------|----|---|----|----|
| No. | CODE | | GORY | PERIODS | - | - | - | Ũ |
| | | THEO | RY | | | | | |
| 1. | MA8391 | Probability and Statistics | BS | 4 | 4 | 0 | 0 | 4 |
| 2. | AD8401 | Database Design and | PC | 3 | 3 | 0 | 0 | 3 |
| | AD6401 | Management | rC | 5 | 5 | 0 | 0 | 5 |
| 3. | AD8402 | Artificial Intelligence I | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | AD8403 | Data Analytics | PC | 3 | 3 | 0 | 0 | 3 |
| 5. | | Professional Elective I | PE | 3 | 3 | 0 | 0 | 3 |
| | | PRACTI | CALS | | | | | |
| 6. | AD8411 | Database Design and | PC | 4 | 0 | 0 | 4 | 2 |
| | | Management Laboratory | IC | + | 0 | 0 | 4 | 2 |
| 7. | AD8412 | Data Analytics Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | AD8413 | Artificial Intelligence – I | PC | 4 | 0 | 0 | 4 | 2 |
| | | Laboratory | rC | 4 | U | U | 4 | ۷ |
| 9. | HS8461 | Advanced Reading and Writing | HS | 2 | 0 | 0 | 2 | 1 |
| | | | TOTAL | 30 | 16 | 0 | 14 | 23 |

SEMESTER V

| Sl. No. | COURSE CODE | COURSE TITLE | CATE GORY | CONTACT PERIODS | L | Т | Р | C | | |
|------------|--|---|--------------|--------------------|----|---|----|----|--|--|
| | | THEORY | 11 | | | 1 | | | | |
| 1. | 1.AD8501Optimization TechniquesPC44004 | | | | | | | | | |
| 2. | CW8691 | Computer Networks | PC | 5 | 3 | 0 | 2 | 4 | | |
| 3. | AD8502 | Data Exploration and Visualization | PC | 5 | 3 | 0 | 2 | 4 | | |
| 4. | AD8551 | Business Analytics | PC | 3 | 3 | 0 | 0 | 3 | | |
| 5. | AD8552 | Machine Learning | PC | 3 | 3 | 0 | 0 | 3 | | |
| 6. | | Open Elective I | OE | 3 | 3 | 0 | 0 | 3 | | |
| | · | PRACTICAL | LS | | | | | | | |
| 7. | AD8511 | Machine Learning Laboratory | PC | 4 | 0 | 0 | 4 | 2 | | |
| 8. | AD8512 | Mini Project on Data Sciences Pipeline | PC | 4 | 0 | 0 | 4 | 2 | | |
| | | | TOTAL | 31 | 19 | 0 | 12 | 25 | | |

SEMESTER VI

| Sl. No | COURSE CODE | COURSE TITLE | CATE GORY | CONTACT PERIODS | L | Т | Р | С | | |
|-----------|----------------|---|--------------|--------------------|----|---|----|----|--|--|
| | | THEORY | | | | | | | | |
| 1. | AD8601 | Artificial Intelligence II | PC | 3 | 3 | 0 | 0 | 3 | | |
| 2. | AD8602 | Data and Information Security | PC | 3 | 3 | 0 | 0 | 3 | | |
| 3. | IT8501 | Web Technology | PC | 3 | 3 | 0 | 0 | 3 | | |
| 4. | | Professional Elective II | PE | 3 | 3 | 0 | 0 | 3 | | |
| 5. | | Professional Elective III | PE | 3 | 3 | 0 | 0 | 3 | | |
| | - | | | | | | | | | |
| 6. | IT8511 | Web Technology Laboratory | PC | 4 | 0 | 0 | 4 | 2 | | |
| 7. | AD8611 | Artificial Intelligence - II Laboratory | PC | 4 | 0 | 0 | 4 | 2 | | |
| 8. | HS8581 | Professional Communication | HS | 2 | 0 | 0 | 2 | 1 | | |
| 9. | AD8612 | Socially relevant Project | PC | 4 | 0 | 0 | 4 | 2 | | |
| | | | TOTAL | 29 | 15 | 0 | 14 | 22 | | |

SEMESTER VII

| SI. No | COURSE CODE | COURSE TITLE | CATE GORY | CONTACT PERIODS | L | Т | Р | С |
|-----------|----------------|---------------------------|--------------|--------------------|----|---|----|----|
| THE | ORY | | | | | | | |
| 1. | AD8701 | Deep Learning | PC | 3 | 3 | 0 | 0 | 3 |
| 2. | AD8702 | Text Analytics | PC | 3 | 3 | 0 | 0 | 3 |
| 3. | AD8703 | Basics of Computer Vision | PC | 3 | 3 | 0 | 0 | 3 |
| 4. | AD8704 | Big Data Management | PC | 5 | 3 | 0 | 2 | 4 |
| 5. | AD8705 | AI and Robotics | PC | 5 | 3 | 0 | 2 | 4 |
| 6. | | Open Elective II | OE | 3 | 3 | 0 | 0 | 3 |
| PRAC | CTICALS | • | | | | | | |
| 7. | AD8711 | Deep Learning Laboratory | PC | 4 | 0 | 0 | 4 | 2 |
| 8. | AD8712 | Mini Project on Analytics | PC | 4 | 0 | 0 | 4 | 2 |
| | | | TOTAL | 30 | 18 | 0 | 12 | 24 |

SEMESTER VIII

| Sl. No. | COURSE CODE | COURSE TITLE | CATE GORY | CONTACT PERIODS | L | Т | Р | С |
|------------|----------------|--------------------------|--------------|--------------------|---|---|----|----|
| TH | EORY | | | | | | | |
| 1. | | Professional Elective IV | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | | Professional Elective V | PE | 3 | 3 | 0 | 0 | 3 |
| PRA | ACTICALS | | | | | | | |
| 3. | AD8811 | Project Work | PC | 20 | 0 | 0 | 20 | 10 |
| | | | TOTAL | 26 | 6 | 0 | 20 | 16 |

TOTAL NO. OF CREDITS: 183

PROFESSIONAL ELECTIVES (PE)

SEMESTER IV, ELECTIVE - I

| SI. No. | COURSE CODE | COURSE TITLE | CATE GORY | CONTAC T PERIODS | L | Т | Р | С |
|------------|----------------|---|--------------|------------------------|---|---|---|---|
| 1. | EC8691 | Microprocessors and Microcontrollers | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | AD8001 | Software Development Processes | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | AD8002 | Health care Analytics | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | AD8003 | Mobile Applications Development | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | AD8004 | Parallel Computing | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VI, ELECTIVE - II

| SI. No. | COURSE CODE | COURSE TITLE | CATE GORY | CONTACT PERIODS | L | Т | Р | С |
|------------|----------------|-------------------------------------|--------------|--------------------|---|---|---|---|
| 1. | AD8005 | Embedded Systems and Programming | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | CW8591 | Software Architecture | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | AD8006 | Engineering Predictive Analytics | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8603 | Distributed Systems | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | CS8072 | Agile Methodologies | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VI, ELECTIVE - III

| SI. No. | COURSE CODE | COURSE TITLE | CATE GORY | CONTACT PERIODS | L | Т | Р | С |
|------------|----------------|---|--------------|--------------------|---|---|---|---|
| 1. | CS8081 | Internet of Things | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | AD8007 | Software Testing and Quality Assurance | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | CS8791 | Cloud Computing | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | CS8085 | Social Network Analytics | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | AD8008 | Web Services and API Design | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VIII,

ELECTIVE - IV

| SI. | COURSE | COURSE TITLE | CATE | CONTACT | т | т | р | C |
|-----|--------|-----------------------------------|------|---------|---|---|---|---|
| No. | CODE | COURSE IIILE | GORY | PERIODS | L | 1 | r | C |
| 1. | AD8009 | Operations and Supply Chain | PE | 2 | 2 | 0 | 0 | 3 |
| | AD8009 | Management | ΓĽ | 3 | 3 | 0 | 0 | 3 |
| 2. | AD8010 | Speech Processing and Analytics | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | AD8011 | Cyber Security | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | AD8012 | Nonlinear Optimization | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | AD8013 | Ethics Of Artificial Intelligence | PE | 3 | 3 | 0 | 0 | 3 |

SEMESTER VIII, ELECTIVE - V

| SI. No. | COURSE CODE | COURSE TITLE | CATE GORY | CONTAC T | L | Т | Р | С |
|------------|----------------|--------------------------------------|--------------|-------------|---|---|---|---|
| | | | | PERIODS | | | | |
| 1. | AD8014 | Engineering Economics | PE | 3 | 3 | 0 | 0 | 3 |
| 2. | AD8081 | Cognitive Science and Analytics | PE | 3 | 3 | 0 | 0 | 3 |
| 3. | MG8591 | Principles of Management | PE | 3 | 3 | 0 | 0 | 3 |
| 4. | AD8015 | Bio-inspired Optimization Techniques | PE | 3 | 3 | 0 | 0 | 3 |
| 5. | AD8016 | Information Extraction and Retrieval | PE | 3 | 3 | 0 | 0 | 3 |

Academic Calendar of the University

2021 – 22 (ODD Semester)

II, III & IV Year

CENTRE FOR ACADEMIC COURSES ANNA UNIVERSITY: : CHENNAI - 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES



August 2021 - December 2021 (ODD SEMESTER)*

UG & PG Programmes

| SI. No. | Programme | Semester | Commencement of Classes | Last working day | Commencement of Practical Examinations | Commencement of End Semester Examinations |
|------------|---------------------------|-----------------|----------------------------|------------------|--|---|
| 1. | B.E. / B.Tech (Full-Time) | III, V, VII | | | | |
| 2 | B.E. / B.Tech (Part-Time) | III, V, VII | 1 | | | |
| 3. | B.Arch. (Full-Time) | III, V, VII, IX | | 2000000000 | | |
| 4. | M.C.A. (Full-Time) | V | 18.08.2021 | 30.11.2021** | 02.12.2021 | 13.12.2021 |
| 5. | M.Sc (5 Yrs-Integrated) | V. VII. IX | | | | |
| 6. | M.B.A. (5 Yrs-Integrated) | V, VII, IX | 1 | | | |

* As per the directives of the Government of Tamil Nadu, the classes will be conducted in ONLINE mode

RE - OPENING DAY FOR THE NEXT SEMESTER: 19.01.2022 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted

If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

** In order to ensure minimum no. of working days, the following <u>7 Saturdays</u> are declared as working days.

| SI. No. | Working Days (Saturdays) | Time Table of the Week Day to be Followed | SI. No. | Working Days (Saturdays) | Time Table of the Week Day to be Followed |
|---------|-----------------------------|--|---------|-----------------------------|--|
| 1. | 28.08.2021 | Friday | 5. | 23.10.2021 | Friday |
| 2. | 11.09.2021 | Monday | 6. | 06.11.2021 | Tuesday |
| 3. | 25.09.2021 | Friday | 7 | 20.11.2021 | Thursday |
| 4. | 09.10.2021 | Thursday | | 80.11.6061 | mursuay |

DAC - SB

I Year



07.2021

DIRECTOR ACADEMIC COURSES

CENTRE FOR ACADEMIC COURSES ANNA UNIVERSITY: : CHENNAI - 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

November 2021 - March 2022 (SEMESTER I)

UG (FT) Degree Programmes

| SI. No. | Programme | Semester | Commencement of Induction Programme | Commencement of Classes | Last working day | Commencement of Practical Examinations | Commencement of End Semester Examinations |
|------------|-------------------------------|----------|---|----------------------------|---------------------|--|---|
| 1. | B.E. / B.Tech. (Full Time) | I. | 08.11.2021 | 22.11.2021 | 08.03.2022 | 10.03.2022 | 21.03.2022 |

RE-OPENING DAY FOR THE NEXT SEMESTER: 18.04.2022 (Monday)

DAC - SB

NOTE:

 The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
 If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

Uff DIRECTOR ACADEMIC COURSES

Internal Continuous Evaluation System and Place

The institution is affiliated to Anna University, Chennai and the procedure of assessment is pursued according to the university rules. The procedure is straightforward and is conveyed to the students and staff,

- The exam cell is headed by exam cell coordinator supported by Head of the department to take care of all activities.
- The exam cell prepares exam schedule, the staff duty list, seating plan, etc.
- Faculty members prepare 2 sets of question papers as per the format given by the exam cell. Out of these two sets of question paper any one set is selected by the exam cell coordinator randomly.
- Once the exams are over the answer scripts are evaluated by the concern faculty members within 3 days of completion of the examination.
- Evaluated answer scripts are given to the students for verification and total checking. Students are awarded additional/missing marks (if any) if the appeal is valid.
- The assessment marks are entered in the logbook of concerned subjects and also in the centralized software (ERP), so that it can be viewed by the faculty/HOD/Principal.
- At present, the institution conducts three Continuous Internal Assessment tests each carries 50 marks with the duration for 1 hour 30 minutes which helps to identify the student's performance and necessary action plan for further improvement.
- Department HODs conduct the meeting with all the faculty members regarding any changes in evaluation and assessment system at the beginning of each semester.

| Name | | Enrolme | nt and Pla | acement | details of S | Students i | n the La | ast 3 Years | | |
|--------|-------------|----------|------------|-----------|--------------|------------|-----------|-------------|--------|--|
| of the | 2020 - 2021 | | | 2019 - 20 | | | 2018 – 19 | | | |
| Dept | Total | Enrolled | Placed | Total | Enrolled | Placed | Total | Enrolled | Placed | |
| CSE | 51 | 48 | 41 | 44 | 40 | 36 | 48 | 43 | 43 | |
| IT | 33 | 33 | 31 | 40 | 34 | 30 | 27 | 27 | 24 | |
| ECE | 55 | 54 | 43 | 82 | 60 | 40 | 96 | 70 | 65 | |
| EEE | 30 | 22 | 17 | 34 | 20 | 14 | 45 | 30 | 29 | |
| MECH | 82 | 74 | 56 | 105 | 71 | 48 | 121 | 110 | 91 | |

16. Enrolment and Placement details of Students in the Last 3 Years

17. List of Research Projects / Consultancy Works

17.1 Publications

| Title of paper | Name of the author/s | Dept. | Name of journal | Year of publication | ISSN number |
|---|---|---|---|---------------------|--------------------|
| | | 2020-21 | | | |
| Improving the Network Throughout in IOT- Manets using Deep Learning Routing Algorithm | Dr.D.Shamima K.Kalaiselvi R.Sathiya M.Shenbagadevi N.Suganya C.Karthikeyan | Computer Science Engineering | International Journal Advanced Science and Technology | 2020 | 2005-4238 IJAST |
| Landmine Detection Using Drone | S.Gayathri, S.Pragadeswaran | Electronics and Communication Engineering | International Journal of Advanced Engineering Science and Information Technology (IJAESIT) | 2021 | 2349-3216 |
| Wireless Sensor Networks Security Issues, Security Needs and Different Types of Attacks Based on Layers: A Survey | S.Pragadeswaran, S.Gayathri, Dr.S.Gopinath, R.Felshiya Rajakumari | Electronics and Communication Engineering | International Journal of Advanced Engineering Science and Information Technology | 2021 | 2349-3216 |

| | | | (IJAESIT) | |] |
|---|---|---|--|------|-------------|
| | | | (BAESII) | | |
| | | | International | | |
| Assessment Work on Blue Brain Technology | S.Gopinath, S.Pragadeswaran, R.Felshiya Rajakumari, S.Gayathri | Electronics and Communication Engineering | Journal of Advanced Engineering Science and Information Technology (IJAESIT) | 2021 | 2349-3216 |
| Cluster based Optimal Energy Efficient Routing Protocol for Wireless Sensor Networks | S. Gopinath, K.B. Gurumoorthy, S. Lakshmi Narayanan, M. Kasiselvanathan, S.Pragadeswaran | Electronics and Communication Engineering | Gestao, Inovaco e Tecnologias (GEINTEC) | 2021 | 2237-0722 |
| Security Analysis in Wireless Sensor Networks: Challenges, Threats and Security Issues | S. Pragadeswaran, S. Gopinath, S. Keerthivasan, R. Premkumar, M. Vinoth | Electronics and Communication Engineering | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | 2021 | 2321-9653 |
| Certain Investigations on Military Applications of Wireless Sensor Networks | Mr. S. Pragadeswaran, Ms. S. Madhumitha and Dr. S. Gopinath | Electronics and Communication Engineering | International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) | 2021 | 2581-9429 |
| Fuzzy based Fault Tolerant Routing Protocol for Node Reliability in MANET | S Pragadeswaran, N Suma, S Madhumitha, S Gopinath | Electronics and Communication Engineering | Annals of the Romanian Society for Cell Biology | 2021 | 1583-6258 |
| SCEER: Secure cluster based efficient energy routing scheme for wireless sensor networks | S. Gopinath, K Vinoth Kumar, P Elayaraja, A Parameswari, S Balakrishnan, M Thiruppathi | Electronics and Communication Engineering | Materials Today Proceedings | 2021 | 2214 - 7853 |
| Performance evaluation of free space optical link driven by gain switched temperature dependent quantum | S Gopinath, P Ashok, M Ganesh Madhan | Electronics and Communication Engineering | Laser Physics Letters | 2021 | 1612-2011 |

| cascade lasers | | | | | |
|--|---|--|--|------|---------------------|
| Reliability Integrated Intrusion Detection System for Isolating Black Hole Attack in MANET | S Gopinath, N A Natraj, D Bhanu N Sureshkumar | Electronics and Communication Engineering | Journal of Scientific & Industrial Research | 2020 | 0975-1084 |
| Design and control of novel multilevel bi directional grid connected inverter | D.Navin Sam M.Nagarajan Santhosh Anandan R.Radha | Electronics and Communication Engineering | International Journal of Electrical and Electronics Engineering | 2021 | 2278-9952 |
| Wireless Sensor Networks, Security Issues, Security Needs and Different Types of Attacks based on Layers: A Survey | S.Pragadeswaran, S.Gayathri, S.Gopinath, R.Felshiya Rajakumari | Electronics and Communication Engineering & Electrical and Electronics Engineering | International Journal of Advanced Engineering Science and Information Technology | 2021 | 2349-3216 |
| Assessment Work on Blue Brain Technology | S.Gopinath S.Pragadeswaran R.Felshiya Rajakumari S.Gayathri | Electronics and Communication Engineering & Electrical and Electronics Engineering | International Journal of Advanced Engineering Science and Information Technology | 2021 | 2349-3216 |
| Subversive Power Cable Fault Credential via GSM and GPS Module for Green Energy | G.Ravivarman A.Amudha T.Vandarkuzhali M.Siva Ramkumar R.Felshiya Rajakumari | Electrical and Electronics Engineering | Journal of Green Engineering | 2021 | 1904-4720 |
| Fine grained sentimental analysis of social network chat using R | J K Kiruthika, A P Janani, T.Yawanikha, M.Sudha | Information Technology | IOPscience:Journal of Physics | 2021 | ISSN: 1742- 6596 |
| Tribological characteristics of powder metallurgy processed Cu- WC/SiC metal matrix composites | P.Satishkumar, G.Mahesh, R.Meenakshi, S.N.Vijayan | Mechanical Engineering | Materials Today: Proceedings - Elsevier | 2020 | 2214-7853 |
| Characterization of natural cellulosic fibers from Nendran Banana Peduncle plants | P. Manimaran, G. Pitchayya Pillai, V. Vigneshb, M. Prithiviraj | Mechanical Engineering | International Journal of Biological Macromolecules | 2020 | 1807–1815 |

| A noval nalm | | | | | |
|---|--|---------------------------|---|------|-----------|
| A novel palm sheath and sugarcane bagasse fiber based hybrid composites for automotive applications: An experimental approach | M. K. Marichelvam, P Manimaran, Akarsh Verma, M. R. Sanjay, Suchart Siengchin, K Kandakodeeswaran,M. Geetha | Mechanical Engineering | Polymer Composites | 2020 | 2728397 |
| A Study on Ballast Water Management System To Reduce Pollution In Oceans | Vijayan S N, Duraimurugan G K, Deepak P & Vijayalakshmi Krishnan | Mechanical Engineering | International Journal of Mechanical and Production Engineering Research and Development | 2020 | 2249-6890 |
| Investigation of process parameters by abrasive assisted electrochemical micro drilling process on Al - 6061 with SiC and Fly ash composites | P Satishkumar and N Natarajan | Mechanical Engineering | Materials Science and Engineering - IOP | 2020 | 1757-899X |
| Optimization of machining parameters in wire EDM of OFHC copper using Taguchi analysis | P Satishkumar, C Saravana Murthi, R Meenakshi | Mechanical Engineering | Materials Today: Proceedings - Elsevier | 2020 | 2214-7853 |
| Characterization, mechanical and wear properties of Al6061/Sicp/fly ashp composites by stir casting technique | P Satishkumar, AJ Infant Jegan Rakesh, R Meenakshi, C Saravana Murthi | Mechanical Engineering | Materials Today: Proceedings - Elsevier | 2020 | 2214-7853 |
| Effect of WC addition on the corrosion behavior of powder metallurgy Cu- 10SiC in a 3.5 wt% NaCl solution | P Satishkumar, C Saravana Murthi, R Meenakshi, G Ramesh | Mechanical Engineering | Materials Today: Proceedings - Elsevier | 2020 | 2214-7853 |
| Characterization of natural cellulosic fibers from Nendran Banana Peduncle plants | P.Manimaran G.PitchayyPillai V.Vignesh M.Prithiviraj | Mechanical Engineering | International Journal of Biological Macromolecules | 2020 | 1879-0003 |

| Investigation on Influence of Process Parameters In Wedm of Hybrid Aluminiun Composite Processed Through Squeeze Casting | G. Jayabalaji, Dr.P. Manimaran, V.V. Arun Shankar | Mechanical Engineering | Journal of Critical Reviews | 2020 | 2394-5125 |
|---|---|---------------------------|------------------------------------|------|-----------|
| Investigation on welding strength of fsw samples using taguchi optimization technique | A. Daniel Das, S.N. Vijayan, N. Subramani | Mechanical Engineering | Journal of Critical Reviews | 2020 | 2394-5126 |
| Cladding of stainless steel over mild steel by using flux cored arc welding | P.K. Miniappan, V.V. Arun Shankar, A. Saiyath Ibrahim | Mechanical Engineering | Journal of Critical Reviews | 2020 | 2394-5127 |
| An Evaluation of Microstructural Effect on Welding Interface of Welded Samples | P.K. Miniappan, V.V. Arun Shankar, A. Saiyath Ibrahim | Mechanical Engineering | Journal of Critical Reviews | 2020 | 2394-5127 |
| Physico-chemical and Mechanical Properties of Alkali-Treated Red Banana Peduncle Fiber | G Pitchayya Pillai, P Manimaran, V Vignesh | Mechanical Engineering | Journal of natural fiber | 2020 | 1544-046X |
| Multi-Objective Optimization on Tribological Behaviour of Hybrid Al MMC By Grey Relation Analysis | P. Paranthaman, R. Ramesh Babu, R. Mahesh | Mechanical Engineering | Journal of Critical Reviews | 2020 | 2394-5127 |
| Taguchi-Gra For Multi Criteria Optimization of Turning Parameters For Al/Bagasse Ash/Gr Hybrid Composite | R. Karuppasamy, M. Rajesh, A.S. Karthika | Mechanical Engineering | Journal of Critical Reviews | 2020 | 2394-5127 |
| Optimization of Machining Parameters in Turning Agricultural Waste based Aluminium | P. Paranthaman , R. Ramesh Babu | Mechanical Engineering | Test Engineering and Management | 2020 | 0193-4120 |

| Hybrid Composite | | | | | |
|--|--|---------------------------|------------------------------------|------|-----------|
| Optimization of Friction Stir Welding Parameters of Aluminium Alloy Using Taguchi Metho | P.K.Miniappan, Arun Shankar. V.V., A.Saiyath Ibrahim | Mechanical Engineering | Test Engineering and Management | 2020 | 0193-4120 |
| Parametric Optimization on Wear Behaviour of Rice Husk-MoS2 Reinforced Al MMC by Taguchi Approach | N.Sathish Kumar , K.P.Harshavardhan, R. Arul Murugan | Mechanical Engineering | Test Engineering and Management | 2020 | 0193-4120 |
| Characterization of Aluminium Hybrid Composite Reinforced with Rice Husk Ash and Molybdenum Disulfide Processed through Compo Castin | G.Jayabalaji , S.N.Vijayan , N.Subramani | Mechanical Engineering | Test Engineering and Management | 2020 | 0193-4120 |
| Numerical and Analytical Investigation of Heat Transfer Enhancement in Flat Plate Solar Collector using internal fins in Absorber Tube and Dissimilar Working Medium | Sendhilkumar.S, Vijayan.S.N | Mechanical Engineering | Journal of Xidian University | 2020 | 1001-2400 |
| Performance and Emission Evaluation of Marine Diesel Engine Using Two– Phase Emulsion as Fuel | Vijayan.S.N, Duraimurugan G.K, and Deepak.P | Mechanical Engineering | Journal of Xidian University | 2020 | 1001-2400 |
| Production and Performance Enrichment of Biodiesel from Mustard oil and Blend with | Vijayan.S.N NavishKumar, Dhanapal.P | Mechanical Engineering | Test Engineering and Management | 2020 | 0193-4120 |

| Different Volume | | | | | |
|--|---------------------|-------------|----------------------------|---------|-----------|
| of Diesel | | | | | |
| | | | | | |
| Higher | | | | | |
| Temperature | P. Dhanapal, | | International | | |
| corrosion behaviour | V.V.Arun Sankar, | Mechanical | Journal of Pure | 2020 | 1314-3395 |
| of 304 stainless | A Saiyathibrahim | Engineering | and Applied Mathematics | | |
| steel | | | Wrathematics | | |
| Mechanical | | | | | |
| properties and | | | | | |
| characterization of | | | Materials Today: | | |
| AL7075 | T.Gunasekaran, | Mechanical | Proceedings - | 2020 | 2214-7853 |
| Aluminium alloy | P.Prakash | Engineering | Elsevier | _0_0 | |
| based ZrO2 Particle | | | | | |
| reinforced metal - matrix composities | | | | | |
| Characterization of | | | | | |
| Aluminium Hybrid | | | | | |
| Composite | | | | | |
| Reinforced With | N. Sathish Kumar, | Mechanical | Journal of Critical | • • • • | |
| Baggase Ash And | K.P. Harshavardhan, | Engineering | Reviews | 2020 | 2394-5125 |
| Graphite Processed | R. Arul Murugan | 6 6 | | | |
| Through Squeeze | | | | | |
| Casting | | | | | |
| Parametric | | | | | |
| Optimization on | | | | | |
| Wedm of | P. Jayapradha, S. | | | | |
| Aluminium- | Sathishkumar, P. | Mechanical | Journal of Critical | 2020 | 2394-5125 |
| Bagasse Ash- | Prakash | Engineering | Reviews | | |
| Graphite Hybrid Composites By | | | | | |
| Taguchi Approach | | | | | |
| Influence of | | | | | |
| Bagasse Ash on | | | | | |
| The Surface | C. Nithiyapathi, R. | N7 1 · 1 | | | |
| Roughness In | Masilamani, P. | Mechanical | Journal of Critical | 2020 | 2394-5125 |
| Turning Of | Prakash | Engineering | Reviews | | |
| Aluminium Hybrid | | | | | |
| Composite | | | | | |
| Effect of | | | | | |
| Compression ratio | | | | | |
| on performance and | | M | Lours -1 - f V' 1' | | |
| emission characteristics of | R.Rameshbabu | Mechanical | Journal of Xidian | 2020 | 1001-2400 |
| mahua bio diesel | | Engineering | University | | |
| blends by changing | | | | | |
| induction timing | | | | | |
| modelion tilling | | | 1 | | |

| Effect and optimization of | | | | | | | | |
|--|--|---------------------------------|---|------|-----------|--|--|--|
| machining parameters on MRR & SR for monel 400 material using Taguchi method | R.Rameshbabu, B.Babu, R.Harikrishnan, S.Midhun, K.S.Navin | Mechanical Engineering | Studia Rosenthaliana (Journal for the Study of Research) | 2020 | 1781-7838 | | | |
| Enhancement of Productivity in Pump Industry Using Taguchi Optimization Technique | V.Kavinraj R.Meenakshi, G.Mahesh, P.Satishkumar, Vijayan.S.N | Mechanical Engineering | Studia Rosenthaliana (Journal for the Study of Research) | 2020 | 1781-7838 | | | |
| Analysis of reliability based on thermal cycle and aging effect in electron devices | R Seetharaman and D Anitha | Chemistry | Pramana - Journal of Physics | 2021 | 0304-4289 | | | |
| Modified Mangosteen shell carbon in the removal of Pb (II) and Hg (II) from aqueous solution – isotherm and kinetic studies | Anitha D. and Ramadevi A. | Chemistry | Global NEST Journal | 2021 | 1790-7632 | | | |
| Activated Mangosteen shell in removal of mercury ion from aqueous solution | D.Anitha, A.Ramadevi, R.Seetharaman | Chemistry | Materials Today: Proceedings | 2021 | 2214-7853 | | | |
| Biosorptive removal of Nickel(II) from aqueous solution by Mangosteen shell activated carbon | D.Anitha, A.Ramadevi, R.Seetharaman | Chemistry | Materials Today: Proceedings | 2021 | 2214-7853 | | | |
| 2019-20 | | | | | | | | |
| Improved Classification of Brain Tumor in MR Images using RNN Classification Framework | K.Kalaiselvi C.Karthikeyan M.Shenbaga Devi C.Kalpana | Computer Science Engineering | International Journal of Innovative Technology and Exploring Engineering (IJITEE) | 2020 | 2278-3075 | | | |

| A Gan Based X- | C Sandhiya | | | | |
|---|---|---|--|------|---------------------|
| A Gan Based X- Ray Model for Detecting Objects using Convolution Neural Networks | G.Sandhiya T.Raghunathan E.Saranya C.Kalpana B.Dhanalakshmi | Computer Science Engineering | International Journal of Advanced Science and Technology | 2020 | 2005 -4238 IJAST |
| Improved Fault Diagnosis in Wireless Sensor Networks using Deep Learning Technique | G.Kiruthiga Dr. P. Mayilvel Kumar K.M.Murugesan T.Yawanika | Computer Science Engineering | International Journal of Recent Technology and Engineering | 2019 | 2277-3878 |
| A Framework on Personalized E- Learning Using Recommended Systems | N.Suganya R.Sathiya Dr.C.Vimalarani A.Narendiranath S.Aravind | Computer Science Engineering | International Journal of Research and Analytical Reviews | 2019 | 2348-1269 |
| Fuzzy based Secure Data Gathering Approach for Ad hoc Sensor Networks | Gopinath Samydurai, Gurumoorthy Kambatty Bojan, Bhanu Dharmarajan | Electronics and Communication Engineering | Journal of Scientific & Industrial Research | 2020 | 0975-1084 |
| A Novel Portable Smart Prayer Assistant Using RFID | E. Veera Boopathy, C.G. Akalaya, S. Sathish, M. Magesh, D. Santhosh | Electronics and Communication Engineering | International Journal of Pharmaceutical Research | 2020 | 0975-2366 |
| Early determination of error residual blocks by block matching algorithm for video coding | A.Anci Manon Mary, S. Suganya A. Saranya | Electronics and Communication Engineering | Test Engineering and Management | 2020 | 0193-4120 |
| Congestion Control using Efficient Bandwidth Aware Routing Ad-Hoc Network | Dr.M.S.Gowtham, R.Sarath Kumar | Electronics and Communication Engineering | Journal of critical reviews | 2020 | 2394-5125 |
| Attention Of Multi- Faceted Video Captioning | P.Sasikala, Mr.G.Premananthan, Dr.M.S.Gowtham | Electronics and Communication Engineering | International Journal of Advanced Science and Technology | 2020 | 2005-4238 |
| A Review on Deep Learning in Healthcare Industry | M. Darani Kumar, Dr.S. Syed Jamaesha, P. Jeevanantham | Electronics and Communication Engineering | Test Engineering and Management | 2020 | 0193-4120 |
| Fuzzy enhanced Cluster based Energy Efficient Multicast Protocol for Increasing Network Lifetime in WSN | Dr. S. Gopinath, Dr. N. Suma | Electronics and Communication Engineering | Journal of Scientific & Industrial Research | 2020 | 0975-1084 |

| An Overview of Deep Learning and Classification Algorithms | S. Sreeha Sanjanaa Bose, S. Syed Jamaesha | Electronics and Communication Engineering | Test Engineering and Management | 2020 | 0193-4120 |
|---|--|---|------------------------------------|------|-----------|
| Analysis of Electrooculogram using SVM Classifier | M. Darani Kumar, S. Syed Jamaesha, P. Jeevanantham | Electronics and Communication Engineering | Test Engineering and Management | 2020 | 0193-4120 |
| Deep Learning Data Management using Optimization Term Memory Neural Network in IoT Sector | J. Shafiq Mansoor, S. Syed Jamaesha | Electronics and Communication Engineering | Test Engineering and Management | 2020 | 0193-4120 |
| Content based Image Retrieval on Medical Applications | S. Sreeha Sanjanaa Bose, S. Syed Jamaesha | Electronics and Communication Engineering | Test Engineering and Management | 2020 | 0193-4120 |
| Deep Learning Based Data Management in IOT Model for Home Power Systems of Solar | P. Sasikala, S. Gopinath, G. Premananthan | Electronics and Communication Engineering | Test Engineering and Management | 2020 | 0193-4120 |
| A Review on Alzheimer Disease based on Segmentation | G. R. Mahendra Babu, S. Gopinath, E. Arunkumar | Electronics and Communication Engineering | Test Engineering and Management | 2020 | 0193-4120 |
| An Intelligent EOG System using Fractal Features and Neural Networks | G. R. Mahendra Babu, S. Gopinath, E. Arunkumar | Electronics and Communication Engineering | Test Engineering and Management | 2020 | 0193-4120 |
| Modeling of Intelligent Mechanical Ssytem for Detection and Mitigation of Air Pollution using IIOT Sensor | R. Sangeetha, T. G. Ramabharathi | Electronics and Communication Engineering | Test Engineering and Management | 2020 | 0193-4120 |
| IoT based Smart Manhole Coverage system for Urban Areas | J. Shafiq Mansoor, T. G. Ramabharathi | Electronics and Communication Engineering | Test Engineering and Management | 2020 | 0193-4120 |
| Eye Movement Classification System using Spectral Features and Neural Networks | J. Shafiq Mansoor, T. G. Ramabharathi, Devipriya N | Electronics and Communication Engineering | Test Engineering and Management | 2020 | 0193-4120 |

| | | | • | | |
|---|---|---|---|------|-----------|
| Certain Inves tigation On Energy Based Fuzzy E nhanced Multicast Routing In WSN | Dr. S. Gopinath, Dr. D. Bhanu and T. Yawanikha | Electronics and Communication Engineering | International Journal of Scientific & Technology Research | 2020 | 2277-8616 |
| An Efficient Energy Based Data Gathering Scheme For Increasing Network Lifetime In Wsn | Ms. A. Mahalakshmi, C. Kalpana, E. Saranya, M. Sudha & Dr. S. Gopinath | Electronics and Communication Engineering | International Journal of Scientific & Technology Research | 2020 | 2277-8616 |
| TSRP: A Trust Based Secure Routing Protocol for Authentication and Load Balancing in MANET | Dr.S. Gopinath, Dr. N. Suresh Kumar, Prof. S. Madhumitha, Dr.N.A Natraj | Electronics and Communication Engineering | International Journal of Advanced Science and Technology | 2020 | 2005-4238 |
| Secure Location Aware Routing Protocol with Authentication for Data Integrity | S.Gopinath, K.Vinoth Kumar, T.Jaya Sankar | Electronics and Communication Engineering | Cluster Computing | 2019 | 1386-7857 |
| A secure and efficient cluster based location aware routing protocol in MANET | S.Syed Jamaesha, S.Bhavani | Electronics and Communication Engineering | Cluster Computing | 2019 | 1386-7857 |
| Semi-Supervised Non-Linear Dimensionality Reduction Technique for Sentiment Analysis Classification | M.S. Gowtham, Dr.Kamalraj Subramaniam, M.Anandapriya | Electronics and Communication Engineering | International Journal of Innovative Technology and Exploring Engineering (JJITEE) | 2019 | 2278-3075 |
| Implementation of Weather Detection Band Using IoT | Dr. W. R. Salem Jeyaseelan, Dr. S. Gopinath, N. A. Natraj, M. Prabhakaran and S. Madhusudhanan | Electronics and Communication Engineering | Bioscience Biotechnology Research Communications | 2019 | 2321-4007 |
| Ant Colony Optimization and Genetic Algorithm Integrated Load Balancing Approach for MANET | K.B.Gurumoorthy, S.Gopinath, K.Vinoth Kumar | Electronics and Communication Engineering | International Journal of Innovative Technology and Exploring Engineering (IJITEE) | 2019 | 2278-3075 |

| Performance of Optimized Data Transmision Mechanism in Air Ad-Hoc Networks | M. S. Gowtham, Dr. Kamalraj Subramaniam, M. Anandapriya | Electronics and Communication Engineering | International Journal of Engineering Research and Technology | 2019 | 2278-0181 |
|---|--|---|--|------|--------------------|
| Design and Implementation of Digital Power Monitoring System using IoT | P. David Conqueror, Dr. S. Gopinath, Dr. S. Syed Jamaesha, Prof. N. Dinesh Babu | Electronics and Communication Engineering | Journal of Engineering, Computing and Architecture | 2019 | 1934-7197 |
| DC-DC Converters : A Review and Comparison Topologies for PV Application | R.Felshiya Rajakumari | Electrical and Electronics Engineering | International Journal of Engineering Applied Sciences and Technology | 2019 | 2455-2143 |
| Investigation on DC-DC Converter Topologies for PV Applications | R.Felshiya Rajakumari | Electrical and Electronics Engineering | International Research Journal of Engineering and Technology | 2019 | 2395-0056 |
| An Overview of Spinach Application For Renewable Energy | R.Felshiya Rajakumari | Electrical and Electronics Engineering | Journal of Emerging Technologies and Innovative Research | 2019 | 2349-5162 |
| DC-DC Converters : A Review and Comparison Topologies for PV Application | R.Felshiya Rajakumari | Electrical and Electronics Engineering | International Journal of Engineering Applied Sciences and Technology | 2019 | 2455-2143 |
| Investigation on DC-DC Converter Topologies for PV Applications | R.Felshiya Rajakumari | Electrical and Electronics Engineering | International Research Journal of Engineering and Technology | 2019 | 2395-0056 |
| Certain investigation on energy based fuzzy enhanced multicast routing in WSN | Dr.S.Gopinath D. Bhanu, T.Yawanikha | Information Technology | International Journal of scientific and technology research | 2020 | ISSN:2277- 8616 |
| An Efficient Energy Based Data Gathering Scheme For Increasing Network Lifetime In Wsn | A. Mahalakshmi, C. Kalpana, E. Saranya, M. Sudha & Dr. S. Gopinath | Information Technology | International Journal of Scientific & Technology Research | 2020 | ISSN 2277- 8616 |
| A Framework on personalized E- learning using recommended system | N.Suganya, R.Sathiya, Dr.C.Vimalarani, A.Narendiranath, S.Aravind | Information Technology | International Journal of Applied Research and Technology | 2020 | ISSN 2349- 5138 |

| A Review - Effective insight on data science fellow programs | M.Sudha, G.Anandhi, K.Selvaraj, J.Pavithra | Information Technology | International Journal of control and automation | 2020 | ISSN 2005- 4297 |
|--|--|---------------------------|--|------|---|
| Challenges in processing semantic web queries | Dr.R.Gomathi, Dr.S.Logeswari, M.Sudha | Information Technology | Indian Journal of advancedScience and Technology | 2020 | ISSN 2005- 4238 |
| GAN based xray model for vdetecting objects using convolution neural networks | G. Sandhya, T. Raghunathan, E.Saranya, C.Kalpana, B. Dhanalakshmi | Information Technology | Indian Journal of advancedScience and Technology | 2020 | ISSN 2005- 4238 |
| Design of android application for detecting maritime boundaries and country boundaries | A.Mahalakshmi, R,S.Shudapreyaa, T.Yawanikha, G.Kavipriya, M.Gayathiri | Information Technology | International Journal of control and automation | 2020 | ISSN 2005- 4297 |
| Analysis of udemy courses based on machine learning algorithm | R.S.Shudapreyaa, T.Yawanikha, A.Mahalakshmi, J.Mary Jenifer, G.Kavipriya | Information Technology | International Journal of control and automation | 2020 | ISSN 2005- 4297 |
| Survey on automatically mining query facets | T.Yawanikha, A.Mahalakshmi, R.S.Shudapreyaa, J.Mary Jenifer, J.K.Kiruthika | Information Technology | International Journal of control and automation | 2020 | ISSN 2005- 4297 |
| A Study on picture recognition using pre processing and decision making | Dr.S.Vinoth Kumar, Dr.A.Christopher Paul, Dr. H. Shaheen | Information Technology | JXAT Journal | 2020 | ISSN No : 1006-7930 |
| Load Balancing in Cloud Environment with Switching Mechanism and Token based Algorithm' | M. Aruna , Dr.D. Bhanu, Karthik. S | Information Technology | International Journal of Public Sector Performance Management, Inderscience Online | 2019 | <u>ANNEXURE</u> <u>- II, Serial</u> <u>No. 1474</u> <u>Vol. 5, No. 2,</u> <u>2019</u> |
| An Improved Load Balanced Meta Heuristic Scheduling in Cloud | Dr.D. Bhanu, S.Karthik and M. Aruna | Information Technology | The Journal of Networks Software Tools and Applications, Springer US | 2019 | ANNEXURE - I, (Serial No. 2299) |
| Mining query facets from the search results | A.Mahalakshmi, T.Yawanikha, Dr. D.Bhanu, V.P Arul kumar, K.M Murugesan | Information Technology | International Journal of recent technology and engineering | 2019 | ISSN:2277- 3878 |

| | 1 | | 1 | | , |
|---|--|---|---|------|--------------------|
| Detection of faults in flying wireless sensor networks using adaptive reinforcement learning | R.S.Shudapreyaa, G.Kiruthiga, K.Kalaiselvi, V.Dinesh babu | ga,InformationJournal of recentIvi,Technologytechnology and | | 2019 | ISSN:2277- 3878 |
| Improved fault daiagnosis in wireless sensor networks using deep learning technique | G.Kiruthiga, P.Mayilvel kumar, K.M Murugesan, T.Yawanikha | Information Technology | International Journal of recent technology and engineering | 2019 | ISSN:2277- 3878 |
| Investigation of Physico Chemical Properties and Characterization of New Natural Cellulosic Fibers from the Bark of Ficus Racemosa | P. Manimaran , S. P. Saravanan & M. Prithiviraj | Mechanical Engineering | Journal of Natural Fibers | 2019 | 1544-046X |
| physico chemical properties of fibers extracted from the flower of celosi argentea plant | P.Manimaran, S.S.Saravanana kumar, M.r. Sanjay, Suchart seingchin, Pichai Pillai, Anish Khan. | Mechanical Engineering | Journal of natural fiber | 2019 | 1544-046X |
| New Lignocellulosic Aristida adscensionis Fibers as Novel Reinforcement for Composite Materials: Extraction, Characterization and Weibull Distribution Analysis | P Manimaran, SP Saravanan, MR Sanjay, Mohammad Jawaid, Suchart Siengchin, Vincenzo Fiore | Mechanical Engineering | Journal of Polymers and the Environment | 2019 | 15728900 |
| Investigation of Physico Chemical, Mechanical and Thermal Properties of the Albizia Lebbeck Bark Fibers | P Manimaran, K Solai Senthil Kumar, M Prithiviraj | Mechanical Engineering | Journal of Natural Fibers | 2019 | 1544-046X |
| Characterization of new cellulosic fiber: Dracaena reflexa as a | P. Manimarana, S.P. Saravananb, M.R. Sanjayc,, Suchart Siengchinc, | Mechanical Engineering | Jouranl of Materials research and Technology | 2019 | 1952–1963 |

| reinforcement for polymer composite structures | Mohammad Jawaidd,, Anish Khane | | | | |
|--|--|---------------------------|---|------|-----------|
| Processing and properties evaluation of centrifugally cast in-situ functionally graded composites reinforced with Al3Ni and Si particles | A Saiyathibrahim, R Subramanian, C Samson Jerold Samuel | Mechanical Engineering | Materials Research Express | 2019 | 2053-1591 |
| Thermal Effects of Steam Pipe used in Activated Carbon Industry under Conditional Circumstances | Vijayan.S.N, Duraimurugan G.K, and Deepak.P | Mechanical Engineering | International Journal of Innovative Technology and Exploring Engineering | 2019 | 2278-3075 |
| Experimental Investigation On Mechanical Properties Of B4 C Particles Reinforced Aluminium 7075 Composites | K. Krishnamoorthia , b. Girirajb , k. Ganesanc , k. Madhan muthu ganeshd* | Mechanical Engineering | Journal of the Balkan Tribological Association | 2019 | 13104772 |
| Investigation on thermal effects of Al ₂ O ₃ Nano particles mixed with water in forced convection micro channel using Computational fluid dynamics, | David Paul.D, Vijayan.S.N, Navish Kumar | Mechanical Engineering | International Journal of Engineering and Advanced Technology | 2019 | 2249-8958 |
| Failure Analysis Of A Steam Pipe Used In Rotary Kiln Under High Temperature Conditional Circumstances | Vijayan.S.N, T.Gunasekaran, SenthilKumar.K.R | Mechanical Engineering | International Journal of Engineering and Advanced Technology | 2019 | 2249-8958 |
| Batch Removal of Pb (II) from Aqueous Solution using Activated Carbon Prepared from Mangosteen Shell Activated | D.Anitha, A.Ramadevi, R.Seetharaman | Chemistry | Chiang Mai Journal of Science | 2020 | 0125-2526 |

| with H2SO4 | | | | | | |
|--|--|---------------------------|--|------|-----------|--|
| Modified Mangosteen Shell in the Removal of Hg (II) from Aqueous Solution- Isotherm and Kinetic Studies | D.Anitha, A.Ramadevi, R.Seetharaman | Chemistry | Chiang Mai Journal of Science | 2020 | 0125-2526 | |
| Bicarbonate Treated Mangosteen Shell Carbon in removal of Ni (II) from aqueous solution- Isotherm and kinetic studies | D.Anitha, A.Ramadevi | Chemistry | Digest Journal of Nanomaterials and Biostructures | 2019 | 1842-3582 | |
| 2018-19 | | | | | | |
| Investigation of Mechanical Properties of Palmyra Palm Leaf Stalk/Carbon Fiber Reinforced Polyester Hybrid Composite | Vijayan.S.N, S. Vadivel, A. Melvinjone, K. Dhinesh, D. Sneha, K. Madhan Muthu Ganesh | Mechanical Engineering | International Journal of Engineering and Advanced Technology | 2018 | 2249-8958 | |
| Synthesis and characterization of cellulosic fiber from red banana peduncle as reinforcement for potential applications | P Manimaran, MR Sanjay, P Senthamaraikannan, Mohammad Jawaid, SS Saravanakumar, Raji George | Mechanical Engineering | Journal of natural fiber | 2018 | 1544-046X | |
| A Study on Different Heat Transfer Medium Used in Heat Exchangers | Vijayan.S.N, L.Abit Lara, Akhilesh S Shankar, Akshay Kumar S J | Mechanical Engineering | International Journal of Advanced Development in Science and Technology | 2018 | 2582-1059 | |
| An experimental and numerical investigation on the mechanical | P Manimaran, A Shadrach Jeyasekaran, Rajesh Purohit, G Pitchayya Pillai | Mechanical Engineering | Journal of Natural Fibers | 2018 | 1544-046X | |

| properties of addition of wood flour fillers in red banana peduncle fiber reinforced polyester composites | | | | | |
|---|--|---------------------------|--|------|-------------|
| A Study on Application of Bio- mimicing Materials In Marine Vessels | Duraimurugan.G.K, Deepak.P, Vijayan.S.N | Mechanical Engineering | International Journal of Advanced Development in Science and Technology | 2018 | 2582-1059 |
| CFD Analysis of Frictional Drag Reduction on the Underneath of Ship's Hull Using Air Lubrication System | Vijayan.S.N, Duraimurugan G.K, Sendhilkumar.S, Kiran Babu.K.M and Deepak.P | Mechanical Engineering | International Journal of Mechanical Engineering & Technology | 2018 | 0976 - 6359 |

17.2 MoU's with Industries

| Sl. No. | Name of the institution/ industry/ corporate house with whom MoU is signed |
|------------|---|
| 1 | Caliber Embedded Technologies, Coimbatore |
| 2 | Elysium Academy, Coimbatore |
| 3 | Gateway Software Solutions - Delivery partner of HP Enterprise, Coimbatore. |
| 4 | Object Automation Software Solutions Pvt Ltd, Chennai |
| 5 | Sekar Engineering Works |
| 6 | Greenstan Technologies, Madurai |
| 7 | Prime Tech Instruments, Chennai |
| 8 | Profeena Technologies, Coimbatore |
| 9 | Novitech R&D Private Limited, Coimbatore |
| 10 | Blue Sky Hose Manufacturing India Pvt Ltd, Coimbatore |
| 11 | Rabwin Industries Pvt Ltd, Coimbatore |
| 12 | Max CADD, Coimbatore |
| 13 | Hyagrivas Technologies, Coimbatore |
| 14 | Illuminen Technology Pvt. Ltd. |
| 15 | Industrial Electronics Corporation, Madurai |
| 16 | Infosys Limited, Bangalore |
| 17 | MAS solar systems private limited |
| 18 | New Technology Mobile Phone Service Pvt. Ltd. |
| 19 | Pantech ProEd Pvt Ltd., Coimbatore |
| 20 | Prolific Systems and Technologies Pvt. Ltd, Coimbatore |
| 21 | Repute Digital Business Agency, Coimbatore |
| 22 | Sri Sabari Industries |
| 23 | Sun Info Media, Coimbatore |
| 24 | Techvolt Software Pvt Ltd, Coimbatore |
| 25 | Thick India Pvt. Ltd., Coimbatore |
| 26 | Times Institute of Management and Technical studies, Chennai. |
| 27 | Vlands Best Hub Pvt. Ltd. |
| 28 | Waxwing Automation Systems, Sivakasi |

18.1 LoA and Subsequent EoA till the current Academic Year

Academic Year 2021 – 22

All India Council for Technical Education (A Statutory body under Ministry of Education, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

APPROVAL PROCESS 2021-22

Extension of Approval (EoA)

F.No. Southern/1-9317613598/2021/EOA

To

The Principal Secretary (Higher Education) Govt. of Tamil Nadu, N. K. M. Bld. 6th Floor Secretariat, Chennai-600009

Sub: Extension of Approval for the Academic Year 2021-22

Ref: Application of the Institution for Extension of Approval for the Academic Year 2021-22

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Education) (1st Amendment) Regulations, 2021 notified on 24th February 2021 and other notifications as applicable and published from time to time, I am directed to convey the approval to

| Permanent Id | 1-8932081 | Application Id | 1-9317613598 |
|--|--|---------------------------|---|
| Name of the Institution /University | KARPAGAM INSTITUTE OF TECHNOLOGY | Name of the Society/Trust | KARPAGAM CHARITABLE TRUST |
| Institution /University Address | KARPAGAM INSTITUTE OF TECHNOLOGY S.F.NO:247,248. L&T BYPASS ROAD SEERAPALAYAM VILLAGE BODIPALAYAM POST COIMBATORE - 641 105 TAMILNADU, MADUKKARAI, COIMBATORE, Tamil Nadu, 641105 | Society/Trust Address | 14A, LIC COLONY, SIDCO,COIMBATORE,COIMBATO RE,Tamil Nadu,641021 |
| Institution /University Type | Private-Self Financing | Region | Southern |

To conduct following Programs / Courses with the Intake indicated below for the Academic Year 2021-22

| Program | Level | Course | Affiliating Body (University /Body) | Intake Approved for 2020-21 | Intake Approved for 2021-22 | NRI Approval Status | FN / Gulf quota/ OCI/ Approval Status |
|----------------------------------|-------------------|---|--|-----------------------------------|-----------------------------------|---------------------------|--|
| ENGINEERING AND TECHNOLOGY | UNDER GRADUATE | COMPUTER SCIENCE AND ENGINEERING | Anna University, Chennai | 60 | 60 | NA | NA |
| ENGINEERING AND TECHNOLOGY | UNDER GRADUATE | ELECTRICAL AND ELECTRONICS ENGINEERING | Anna University, Chennai | 60 | 60 | NA | NA |

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Page 1 of 3 Letter Printed On:15 July 2021

Application No:1-9317613598 ALL IN Note: This is a Computer generated Report. No signature is required. Printed By : ae6523881



Date: 10-Jul-2021

| ENGINEERING AND TECHNOLOGY | UNDER GRADUATE | ELECTRONICS AND COMMUNICATIO NS ENGINEERING | Anna University, Chennai | 120 | 120 | NA | NA |
|----------------------------------|-------------------|---|-----------------------------|-----|-----|----|----|
| Engineering And Technology | UNDER GRADUATE | INFORMATION TECHNOLOGY | Anna University, Chennai | 60 | 60 | NA | NA |
| ENGINEERING AND TECHNOLOGY | UNDER GRADUATE | MECHANICAL ENGINEERING | Anna University, Chennai | 60 | 60 | NA | NA |
| ENGINEERING AND TECHNOLOGY | UNDER GRADUATE | ARTIFICIAL INTELLIGENCE AND DATA SCIENCE | Anna University, Chennai | 60 | 60 | NA | NA |

It is mandatory to comply with all the essential requirements as given in APH 2021-22 (Appendix 6)

Important Instructions

- 1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
- 2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2021-22 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook.
- Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as per the provisions made in Approval Process Handbook and AICTE Regulation notified from time to time.
- 4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Prof.Rajive Kumar Member Secretary, AICTE

Copy ** to:

1. The Director of Technical Education**, Tamil Nadu

2. The Registrar**,

Anna University, Chennai

Application No:1-9317613598 ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Note: This is a Computer generated Report. No signature is required.
Printed By: ae6523881

Page 2 of 3

Letter Printed On:15 July 2021

- 3. The Principal / Director, KARRADAM INSTITUTE OF TECHNOLOGY Karpagam Institute Of Technology S.F.Ro.247.248. LAT Bypens Road Seerapalayaam Vilage Bodipalayaam Poet Coimbalore 641 105 Tamilinadu, Madukkarai, Coimbatore, Tamil Nadu,641105
- 4. The Secretary / Chairman, 14A, LIC COLONY, SIDCO COIMBATORE,COIMBATORE Tamil Nadu,641021
- The Regional Officer, All India Council for Technical Education Shashi Bhowen 26, Haddows Road Chennal 600 006, Tamil Nadu

6. Guard File(AICTE)

Note: Validity of the Course details may be verified at http://www.aicte-india.org/

** Individual Approval letter copy will not be communicated through PositTimal. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities manifored above. This is a computer generated Statement. No signature Required

PRINCIPAL WIG2037 PRINCIPAL WIG2037 KARPAGAM INSTITUTE OF TECHNOLOGY LAT Bypess Road, Bodipalayam-Post, Coimbatore- 641 105.

Application No.1-9317012598 ALL INDIA COUNCIL FOR TECHNICAL EDUCATION Name This is a Computer generated Report. No signature is required. Primod By: ce653381

Page 3 of 3 Letter Printed On:15 July 2021

Academic Year 2020 – 21

| | | A | PPROVAL PR | OCE | SS 2020-21 | 1.1 | | 110 | |
|--|---|---|---|-------------------------|--|---------------------------------|------------------------------------|----------------------|---|
| | | | Extension of a | Appro | oval (EoA) | | Contractory of | | 1 |
| F.No. Southern/1-7 | 015898836 | ORDEDA | | | | | | Date | 15-Jun-2020 |
| Ta. | | | | | | | | Dest. | 12-401-EDED |
| The Principal Secre (Higher Education) N. K. M. Bid. 6th Fit Chennal-600009 | Govt, of Ta | mil Nadu, riat, | | | | | | | |
| Sub: Extension of | Approval | for the Academic Yea | 1 2020-21 | | | | | | |
| Rel: Application of a | the Institute | on for Extension of App | roval for the Acad | temic 1 | /ear 2020-21 | | | | |
| Sir/Madam, | | | | | | | | | |
| n terms of the prov notified by the Court conditions prescribe | isions unde not vide no ed by the G | r the All India Council I Bloation number F. No. suncil from time to time | or Technical Edu AB/WICTE/REG/ , I am directed to | cation 2020 conve | (Grant of Appro dated 4 th February the approval to | valis for Te ary 2020 a p | chrical halls is nd norms stand | res) Re landis, p | egulations 200 Procedures an |
| Permanent Id | | 1-8032081 | | App | lication Id | | 1-7015898828 | | _ |
| Name of the Institu | ule | KARPAGAM INSTITU TECHNOLOGY | TE OF | Nem | e of the Societ | Trust | KARPAGAM C | нара | TABLE TRUS |
| nsillute Address | TE OF INPASS ROAD LAGE F IOS KARAL Nadu, 641105 | Soci | ely/Trust Addr | e55 | 14A, LIC COLONY, SIDCO,COMBATOR RE,Tami Nadu,6410 | | | | |
| nstitute Type | - | Private-Self Financing | | Regi | on | | Southern | | |
| To conduct following Cours Program Level | | s with the Inteke Indi- Course | Amsaong ek (Universit /Body) | 00Y | ademic Year 21 Intake Approved for 2019-20 | intak Approv Tor 202 | ed Approv | Isv | PIO / FN / Galf quota OCV Approval Status |
| NGINEERING | UNDER GRADUATI | E COMPUTER SCIENCE AND ENGINEERING | Anna Universi Chennai | Ŋ. | 60 | 60 | NA | | NA |
| | | ELECTRICAL AND | Arris Universit | 60 GD | | 60 | NA | | - |
| NGNEERING | | | Lberrus | | | | | | |

Application No.1-7015838325 ALL INDIA COUNCIL FOR TECHNICAL EDUCATION Page 1 of 3
Note: This is a Computer generated Report. No signature is required.
Prefed by : aet522881
Letur Printed Dr.17 June 2020

| ENGINEERING AND TECHNOLOGY | UNDER GRADUATE | ELECTRONICS AND COMMUNICATIO NS ENGINEERING | Anna University, Chernal | 120 | 120 | NA | NA |
|----------------------------------|-------------------|---|-----------------------------|-----|--------|----|----|
| ENGINEERING AND TECHNOLOGY | UNDER GRADUATE | INFORMATION TECHNOLOGY | Arma University, Chemai | 60 | 60 | NA | NA |
| ENGINEERING AND TECHNOLOGY | UNDER GRADUATE | MECHANICAL ENGINEERING | Anna University, Chernai | 120 | 60 | NA | NA |
| ENGINEERING AND TECHNOLOGY | UNDER GRADUATE | ARTIFICIAL INTELLIGENCE AND DATA SCIENCE | Anna University, Chennai | 0 | 60**55 | NA | NA |

A# Approved New Course(s) \$5 Course(s) should be offered in Emerging Area.

se consellet supric ce preiec in cherduit way

It is mandatory to comply with all the essential requirements as given in APH 2020-21 (Appendix 6)

Important Instructions

- The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2020-21 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ Gosenal. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years beginning with the Academic Year 2020-21
- 2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intoke shall have to fall active such as Intrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2020-21 for Hotal Approval Intoke Further, the Institutions Deemed to be Universities' Institutions having Accreditation' Autonomy status shall have to create the necessary Faculty. Infrastructure and other facilities WITHIN 2 YEARS to fullit the norms based on the Affdavit submitted to AICTE.
- In case of any differences in content in this Computer generated Extension of Approval Latter, the content/information as approved by the Executive Council / General Council as available on the record of A/CTE shall be final and binding.
- 4. Strict compliance of Anti-Ragging Regulation: Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 373/Lagal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be fiable to take any action as defined under clause 9(4) of the said Regulation.

Prot.Rajive Kumar Member Secretary, AICTE

Copy to: 1. The Director Of Technical Education**, Tamil Nadu

P. Haning P. PRINCIPAL (VIG)2001. KARPAGAM INSTITUTE OF TECHNOLOGY L&T Bypess Road, Bodipalayam-Pos-Coimbatore- 641 105.

Application Nu1-70159388201 ALL INDIA COUNCIL FOR TECHNICAL EDUCATION Note: This is a Computer generated Report. No signature is required. Printed By : artiS22861

Page 2 of 8 Later Printed On:17 June 2020

| | 2 | The Registrar", |
|---------|-----------------|---|
| | | Arna University, Chernal |
| | 3. | The Principal / Director, KARPAGAM INSTITUTE OF TECHNOLOGY Karpagam Institute Of Technology SF. No.247.248. Lat Byses Road Seerapalayam Villaga Bodipalayam Post Colimbatore - 641 105 Tamilinadu, Mataliskanai, Colimbatore, Tamilinadu, 641105 |
| | 4 | The Secretary / Chairman, 14A, LIC COLONY, SIDCO COMEATORE, COMBATORE Tarril Nadu, 641021 |
| | 5. | The Regional Officer, All India Council for Technical Education Shashi Bhawan 26, Haddows Road Chennal - 600 006, Tamil Nadu |
| | 6. | Guard File(AICTE) |
| Note: | Valida | ty of the Course details may be weified at http://www.aicte-india.org/ |
| ** Indi | idusi / Emol | Approval letter copy will not be communicated through Pock Emoil. However, consolidated list of Approved Institutions(built) will be shared through Address to the concerned Authorities mentioned above. |

PRINCIPAL (4)122021. KARPAGAM INSTITUTE OF TECHNOLOGY LAT Bypass Road, Bodipalayam-Post, Colmbatore-641 105.

Application No:1-7015898828 ALL INDIA COUNCIL FOR TECHNICAL EDUCATION Non: This is a Computer generated Preper. No signature is included. Prefed Dy : 0e5523851 Page 3 of 3 Letter Printed On:17 June 2020

Academic Year 2019 – 20

| | - 1563 | | | New Delhi-11007D Website: www.a | aiche-india p | | -100 | | |
|--|---|--|------------|---|---|--------------------------------|---|--|--|
| | 11-11 | APPI | ROVAL P | ROCESS 2019-20 | 11111 | | | | |
| | | Exte | ension of | Approval (EoA) | | | - | | |
| F.No. Southern/1-4267015703/2 | ACE RED A | | | | | Date: 29-/ | 4pr-2019 | | |
| To, | | | | | | | | | |
| The Principal Secretary Higher Education) Govt. of Tam N. K. M. Bid. 6th Floor Secretari Chennal-600009 | sil Nadu. of, | | | | | | | | |
| Sub: Extension of Approval to | r the Acar | demic Year 2019-20 | 0 | | | | | | |
| Ref: Application of the Institution | for Extern | ion of approval for I | the Academ | c Year 2019-20 | | | | | |
| Sk/Madam. | | | | | | | | | |
| by the Council vide notification / the Council from time to time, I a | rumber FJ im directed | to convey the appr | 2018 dated | Ion (Grant of Approvals for Technic 31/12/2018 and norms standards, j | al Institutio procedures | ns) Regulatio and condition | ns 2018 notifie ts prescribed b | | |
| Permanent Id teme of the Institute | 1-88320 KAJEPAK | 81 GAM INSTITUTE OF | | Application Id Name of the Society/Trust | 1-42670 KARPA0 | | ABLE TRUST | | |
| nstitute Address | TECHNI | OLOGY | | Society/Trust Address | 0.00000 | COLONY. | | | |
| Isellule Address | TECHNI S.F.NO: SEERAU BOOIPA COIMEM TAMILN | DAM INSTITUTE OF DLOGY 247,248, L&T BYPA 247,248, L&T BYPA 247,248, L&T BYPA 247,248, L&T 247,248, L,T 247,248, L,T 247,24 | ISS FIOND | Sourcey must wantess | SIDCO, COMBATORE, COMBATO E, Tami Nadu, 641021 | | | | |
| natitute Type | Unaided | - Private | | Region | Southern | 1 | | | |
| Opted for Change from Vomen to Co-Ed and vice | No | | | Change from Women to Co-Ed and vice versa Approved or | NA | | | | |
| ersa Opted for Change of Name | No | | 100 | Not Change of Name Approved or | NA | | | | |
| opted for Change of | Na | | | Not Change of Site/Location | NA | | | | |
| opled for Conversion from legree to Diploma or vice | No | | | Approved or Not Conversion for Degree to Diploma or vice versa Approved or Not | NA | | | | |
| pled for Organization Name hange | No | | | Change of Organization Name Approved or Not | NA | | | | |
| pted for Merger of stitution | No | | | Merger of Institution Approved or Not | 1 NA | | | | |
| ipled for Introduction of lew Program/Level | No | | | Introduction of Program/Level Approved or Not | NA | | | | |
| a conduct following Courses | with the la | stake indicated bel | ow for the | INTERNET CONTRACTOR | | | | | |
| Winner and Distantion | | | 24 million | and the second se | ğ | (()) | C. C. C. C. C. C. C. C. C. C. C. C. C. C | | |
| | 7 | 1 | .14 | Attribution Booty (Unive Booty) | Intern Approved fo | NFI Approval Status | PIO / FN / Gult quota OCL Approval Status | | |
| 8 | 5 | 8 | t | 25 | 1 A | RN BIS | Pi0/ | | |
| NGINEERING THE U | | | | Anna University, Chennal | 60 | NA | NA | | |

| | | 1 Contraction | ENGINEERING | 10.0 | TEAL STREET | | | |
|----------------------------------|-----|-----------------------|---|------|--------------------------|-----|----|----|
| ENGINEERING AND TECHNOLOGY | 1st | UNDER GRADUA TE | ELECTRICAL AND ELECTRONICS ENGINEERING | FT | Anna University, Chennai | 60 | NA | NA |
| ENGINEERING AND TECHNOLOGY | Tat | UNDER GRADUA TE | ELECTRONICS AND COMMUNICATIO NS ENGINEERING | FT | Anna University, Chennai | 120 | MA | NA |
| ENGINEERING AND TECHNOLOGY | 1st | UNDER GRADUA TE | INFORMATION TECHNOLOGY | FT | Anna University, Chennal | 60 | NA | NA |
| ENGINEERING AND TECHNOLOGY | Ist | UNDER GRADUA TE | MECHANICAL | FT | Anna University, Chennai | 120 | NA | NA |

+FT -Full Time, PT-Part Time

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-34.egal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to purish perpetrators or incidents of Ragging, it will be lable to take any action as defined under clause 6(4) of the said Regulation.

It is mandatory to comply all the essential requirements as given in APH 2019-20(appendix 6)

NOTE: If the State Government / UT / DTE / DME has a reservation policy for admission in Technical Education institutes and the same is applicable to Private & Self-licancing Technical Institutions, then the State Government / UT DTE / DME shall ensure that 10 % of Reservation for EWS would be operational from the Academic year 2019-20 without affecting the percentage reservations of SC/ST/OBC/General . However, this would not be applicable in the case of Minority institutions referred to the clause (1) of Article 30 of Constitution of India.

Prot. A.P. Mittal Member Secretary, AICTE

Copy to: 1. The Director Of Technical Education", Tamil Nadu

> 2. The Registrar", Anna University, Chennai

 The Principal / Director. Karpagam institute Of Technology Karpagam institute Of Technology S.F.No:247,248, L&T Bypass Road

S.F.No:247,248. L&T Bypa: Seerapalayam Village Bodipalayam Post Celmbatere 811 105

Taminadu, Madukkarai,Coimbatore, Tami Nadu,641105

Note: This is a Computer generated Report. No signature a recurred. Pented By : ae6523891 PRINCIPAL TYDIS/2021.

KARPAGAM INSTITUTE OF TECHNOLOF LAT Bypass Road Bodipalayam-Pos-Coimbatore-641 105.

Page 2 of 3 Letter Printed On 2 May 3019

. .

lication No.1-4267015700

4. The Secretary / Chairman, Karpagam Charitable Trust 14A, Lic Colory, Sidoo, Colmbatore, Colmbatore, Tamil Nacu, 641021

 The Regional Officer, All India Council for Technical Education Shashi Bhawan 26, Haddows Road Chennel - 600 006, Tamil Nadu

6. Guard File(AICTE)

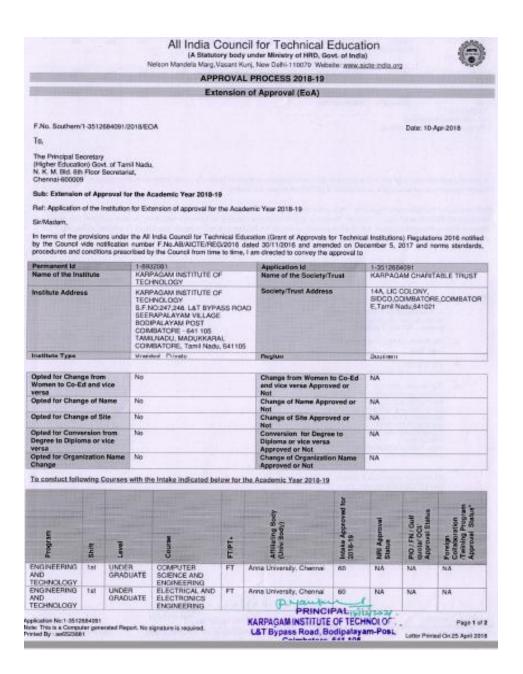
Note: Validity of the Course details may be verified at http://www.aicte-india.org/

** Induktual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Instruktions/bully will be shared through official Email Address in the concerned Authorities mentioned above.

Application No.1-4967015703 Note: This is a Computer generated Report. No signature is required. Printed By : artS22851 PRINCIPAL IVITATE A

Page 3 of 3 Letter Printed On 2 May 2019

Academic Year 2018-19



| ENGINEERING AND TECHNOLOGY | 1st | UNDER GRADUATE | ELECTRONICS AND COMMUNICATION S ENGINEERING | FT | Anna University, Chennai | 120 | NA | NA | NA |
|----------------------------------|-----|-------------------|--|------|--------------------------|-----|----|----|----|
| ENGINEERING AND TECHNOLOGY | 1st | UNDER GRADUATE | INFORMATION TECHNOLOGY | PT . | Anna University, Chennal | 60 | NA | NA | NA |
| ENGINEERING AND TECHNOLOGY | 1st | UNDER GRADUATE | MECHANICAL ENGINEERING | FT | Anna University, Chermai | 120 | NA | NA | NA |

Punkive Action against the Institute

In case of any differences in content in this Computer generated Extension of Approval Latter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

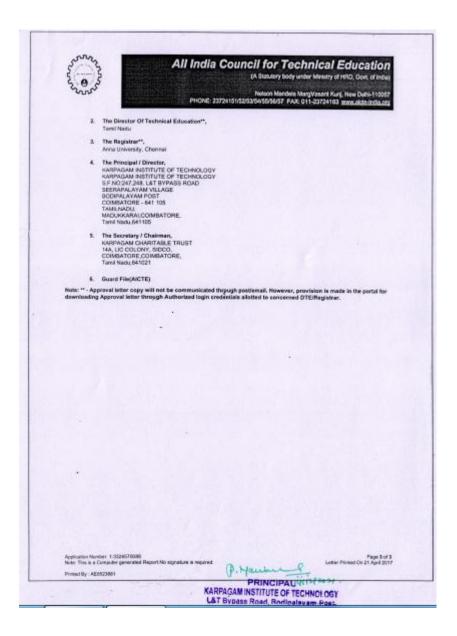
Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-30 egal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case institution talks to take adequate steps to Prevent Ragging or talks to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be fable to take any action as defined under clause 9(4) of the said Regulation.

| | | | Prof. A.P. Nittal Member Secretary, AICTE |
|--|---|---|--|
| Copy to: | | | |
| (Joby W. 1. | The Regional Officer, All India Council for Technical Education Shashi Bhawan 26, Haddows Road Chennai - 600 006, Tamil Nadu | | |
| 2. | The Director Of Technical Education**, Tami Nadu | | |
| 3. | The Registrar", Anna University, Chennal | | |
| * | The Principal / Director, KARPAGMM INSTITUTE OF TECHNOLOGY KARPAGMM INSTITUTE OF TECHNOLOGY S.F.NO.247, 248, LAT BYPASS ROAD SEERAPALAYAM VILLAGE BODIPALAYAM VILLAGE COMBATORE - 641 105 TAMI, NADU, NADUKKARALCONBATORE, Tamil Nadu,641105 | | |
| 5. | The Secretary / Chairman, KARIPAGAM CHARITABLE TRUST 14A, LIC COLLONY, SIDCO, COMBATORE,COMBATORE, Tamil Nadu,641021 | | |
| 6. | Guard File(AICTE) | | |
| Note: Validity | of the Course details may be verified at 1100/ | /www.aicte-india.cag/ | |
| ** Incluidust Ap Assiress to the | provol letter copy will not be communicated through Po concerned Authorities mensioned ebove. | REFINEL However, consolidated list of Approved Institutionstitution Pryanting Strength States and | all be shared through official Email |
| oplication No.1-3 | | PRINCIPAL WI 13 2021 - | Page 2 of 2 |
| Note: This is a Ce Printed By : au622 | imputer generated Report. No signature is required. 23651 | KARPAGAMINSTITUTE OF TECHNOLOGY | Letter Printed On:25 April 2018 |

Academic Year 2017-18

| 3 | 個語 | All | India | Co | unci | I fo | r Tec | hnic | al Ec | ducation D. Cont. of Inde | | |
|---|---------------------------------|---|-----------------------------|----------------------------|----------------|-------------------------------|--|--|-----------------------|--|--|--|
| S. O.S | CEAL THE | | - | | | | distant. | | | | | |
| | | | PHONE 2 | 3729415 | in post of the | 41555 | 57 FAX | 011-2372 | 24183 200 | ew Delhi-11006 exualste-India.go | | |
| F No. Southern/1-3324 | 570068/2017 | EQA | | | | | | | Date: 1 | 0-Apr-2017 | | |
| Τα, | | | | | | | | | | | | |
| The Principal Secretary (Higher Education) Gov | vt. of Tamil No | ndu, | | | | | | | | | | |
| N K M Bid. 6h Floor: Channal-600009 | Secretariat. | | | | | | | | | | | |
| Sub: Extension of app | proval for the | academic y | ear 2017-1 | | | | | | | | | |
| Ref: Application of the I | netilution for | Extension of | approval for | The acc | ademic p | ear 201 | 7.18 | | | | | |
| SisMadom, | | | | | | | | | | | | |
| In Terms of the provision Regulations 2016 on the | ns under the / | U India Cour | ncil for Tech | nical Ex | Sucation : | Grant | Approve | is for Tech | hnical Inst | Rutions) | | |
| Regulations 2016 notife Handerds, procedures (| and condition | 6 prescribed I | Nation num by the Coun | Gill More | time to t | ITE/RE | G/2016 dj rit directed | Red 30/11 to conve | V2016 an y the app | f domos roval to | | |
| Permanent Id | 1-69020kn | | | Alercation is 1-23/249 ros | | | | | | | | |
| Nore of the instance | KANPAGAM INSTITUT TECHNOLOGY | | | | | | | KANIFAGAMINGTETUTE OF TECHNOLOGY 8.F.NO.247.248.LET BYPASS ROAD | | | | |
| | 1 | and the second second | | ST STATES | | | | SEERAPM, AYAM VILLAGE BOD PALAYAM POST COMBATORE - 641 105 | | | | |
| | | | 100 | 1 | | 1000 | AMUMAN AMUMAN | L MASURA | os Garai, co | BRATORE Tars | | |
| Name of Star Society/Treat | RARPYGN TRUST | и снивлика и | TABLE Society Trust Address | | | | HALLIC COLONY, SIDO, COMBATCHE, COMBATCHE, Tana | | | | | |
| Institute Type | Unaided - P | Visida | Rage | Ragon | | | Nets 641(2) Southern | | | | | |
| | - | | 122 | 15 | U.S. | | | _ | _ | 1000 | | |
| Option for otherups from Women to Colled and | No | | And his change | 1. | 340 | _ | 100 | And for the | ged . | No | | |
| Vice versa | | - nea | | | | | ate | | | | | |
| Change Nove Women In Co.ed approved and | Not Applica | | arge of name | 1911 | NCT App | Plater | | ange of the | | Noi Applicable | | |
| Vice retse | | | | | - | | 10 | beves | | | | |
| Opted for Conversion from degree to objoints | No | Cpi | Caned for Conversion No. | | | | 0 | ingraw to | Not Applicable | | | |
| a second second | 1 | - 19 | | 20 | | _ | 19 | lona or vio | w. | | | |
| a conduct following courses to application let 1-3324578 | roes with the | intake indica | steed the low to | r the a | cademic | year 20 | 17-18 | | | | | |
| Approximent to 1-5324578 | 300 Cau | | | AP Body Body | 1000 | | 3 | | | 1 | | |
| 1 | 1 | anas | 1 | | | - Parts | | of interact | and a | and the second s | | |
| Propium Shift | Liver | 1000 | - | 1 | 1. | Frank Approved for 2016-07 | Printer Aggreend | Aspenda | | | | |
| Crest State | 11120 | A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF | - | | | TUN TUN | 1 interest | Villan | PID I FA | HI. | | |
| the second second second second second second second second second second second second second second second se | | | PULL THE | Asta | | 80 | 63 | HA. | -6-0.5 NM | NA | | |
| ENGINEERIN SILA | ER BUE | NUE AND | | | | | | | | | | |

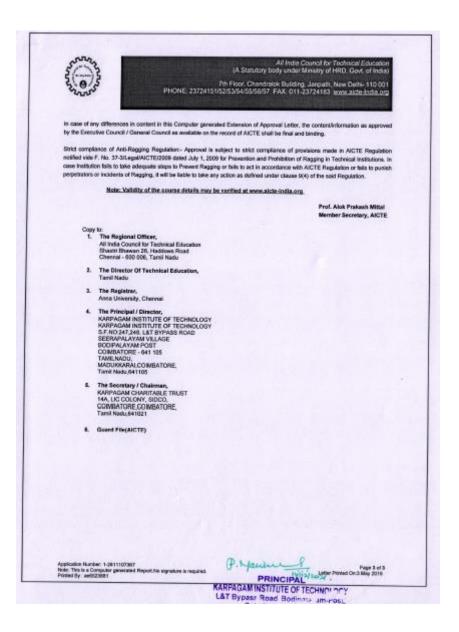
| 2.0.5 | | | | HONE: 23 | N 724161/52/53/5 | elson Mar v55/56/37 | idela Marg FAX. 01 | Wasart K 1-2372411 | urij, hieve 13 <u>prese</u> ut | Demi-110067 Acte-India.ata |
|---|--|--|--|--|--|---|---|---|-----------------------------------|--|
| GANO 1ECHNOLO GV | 1 | DUA TE | ENDINEZHINO | | Cherris | | | | | |
| ENONEERN G.NO TECHNOLO GV | tor Sain | UND ER GRA DUA TE | ELECTRICAL AND ELECTRONICS ENONEERING | PULL TRAE | Area University. Charmie | 60 | 80 | 141 | RUA | 145 |
| ENGINEERIN G AND TECHNOLD | 1.0 5540 | UND ER GRA DUA TE | ELECTIVONICS AND COMMUNICATI ONS ENGINEERING | PULL TME | Anna Ursversty, Channal | 189 | 120 | TMA | NR. | NA. |
| ENGREERIN 0 MID TECHNOLO | Sul Suit | UND ER GRA DUA | ENFORMATION TECHNOLOGY | FULL | Arra University. Chemist | 63 | 63 | NA | HA | hiA. |
| ENGINEEDRIN B AND TECHNOLO | tsi Shë | TE UND SR GRA DUA TE | WEGHNICH. ENGNEERING | FULL | Anna Umiensky Coanna | 120 | 420 | NA. | 143 | 94.A. |
| affdavit pive in case of a by the Exer Strict contri | n by the solute Co plance (to F. No. sole faile | ances in oundit / 0 of Anti-R 37-3Let is to take | agging Regulation palwiCTE/2009 0 adequate steps to Rapping, it will be | propular ge available o n Approve lated July 1 o Provent F hitable to M | enerated Extensi on the record of J w is subject 10 J , 2009 for Preve lugging of balls 5 ike any action in | en of App NICTE shu easet com recen and o act in an | proval Lette gli be final pliance of Prohibilie coordance under clau | er, the con and binds provision n of Ragg with AJCT se 5(4) of | ng. Ing made 1 Ing in Tec | mation as approved in ALCTE Regulation preced institutions. In does or bala to purish |
| casa institu perpenata | | Note: Val | idity of the cour | se dotails. | may be verified | al www. | | | Morri | rrot. A.P. Millel her Secretary, AICTI |
| casa insitu perpenato | | | | | | | | | 25.0 | |
| caso insiti perpetrato | - P 42 | he Rogia | nal Officer. Junci I.v. Technic Weis 20, Haddos 100 036, Tarril Ni | | | | | | | |
| caso Imilia perpetrato | T PASU | he Rogia a Luda U rustri Sh Rorani - | punct to Technic away 20, Haddon NOD 004, Tarril N | stu | | p. 4 | PRI | NCIP | Van H | Page 2 o Presid Do 21 April 20 |



Academic Year 2016-17

| Stores and | | PH | DNE: 237 | 715 | Floor, Ch | andr | body u alok B. | nder Jidin | Ministry a. Janes | r of HRD ath, New | nical Education , Govt. of India) Deihi- 110 001 vaicte-India.org | | |
|---|---------------------|--------------------------------|----------------------|-------------------------|------------------------|---------------|--|---------------|----------------------|----------------------|--|--|--|
| | - | | the buy | | | | | | and a | | | | |
| F.No. Southern/1-2 | 81110734 | 97/2016/EOA | | | | | | | | Date 3 | 10-Apr-2016 | | |
| To, The Principal Sector (Higher Education) N. K. M. Bild 6th Fi Channal-500003 | Govt of 1 | farnil Nindu. tariat, | | | | | | | | | | | |
| Sub: Extension of | approva | for the scader | nic year 2 | 8016-17 | | | | | | | | | |
| Ref: Application of | | | | | ademic y | ear 20 | 018-17 | | | | | | |
| SixMadam, | | | | | | | | | | | | | |
| In terms of the pr Regulations 2012 r | | | | | | | | | | | vical institutions | | |
| processing and con | onone te | escribed by the | Council fr | cen time to te | ne, I are d | inactio | d 10 con | ney c | he appro | val to | | | |
| Regional Office | 100 | Southern KARPAGAR INSTITUTE | | Application | | | 1-2811107367 | | | | | | |
| Name of the | 71 | CHNOLOGY RPAGAM CHART | | Permanent Institute Api | | | KARPAGAM INSTITUTE OF TECHNOLOGY | | | | | | |
| SocietyTrust | TR | TRUST | | | | | S.F.NO:3473H4 LAT BYPASS ROAD SEERAPALAYAM VULASE BODMALAYAM POST COMBATORE - 641 105 TANKINADU, MICURKARUL COMBATU Niski, 641105 | | | | OMD | | |
| mainue Type | Un | aided - Privaia | | Bosiety/Tru | t Address | | 144, 13 | CON | ONV. | COMBATO | CHE.Tend | | |
| Opted for change from Morten to Coved and Vice avera | 1 140 | | Oplaid for Name | change of | Mo | _ | | Cpa 390 | ie for cha | (4+ W | Ne | | |
| Change from Werney Co-ed approved and Vice versa | the Party | Applicable | Change o Approved | None Net Applicable | | - | | rige of ele- | | Not Applicable | | | |
| | 1 | 0.410.000 | | | - | - | - | 1 | | | - | | |
| Conduct following Algoriation k2 5-2811 | courses v 107567 | Course | dicated b | elow for the s | iciidemic) ing Rody | year 2 | 016-17 | - | No. | - | | | |
| | | - Section | | The second | | - | month for | | 1 au | C. & quera | Twint . | | |
| Program sour | Lever | | Lubicae Tare | | | 24-94.00 aver | attan Apr | D18-13 | PRIASpane | Acproval cupus | Freign Charconnin Ten Program Approval maria | | |
| ENGINEERIN Shin | UND ER | DOMPUTER BORNGE AND | PULL | Anna Unior | Alle | 00 | 80 | | nah | 14 | NA | | |
| | | | | - | | | | - | | | | | |

| ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | - | | PHON | E 237 | | Shandunke | dy under | Ministry | of HRD. | vical Educatio Govt of India Delhi- 110.00 aicle India or |
|---|--|---|--|--------------------------|--|---------------------------------------|-------------------------------------|---------------------------|--------------------------|--|
| G XND TECHNOLD GY | Γ | GRA DUA TE | DIGNEERING | | Chevral | T | | | T | |
| ENGINEERSV GAND TECHNOLO GY | 1st Shat | UND ER GRA DUA TE | ELECTRICAL AND ELECTRONICS ENGINEERING | FUL | | -80 | 60 | NA | NA | NA . |
| ENGINEERIN G AND TECHNOLO GY | Tak Sinat | UND ER GRA DUA TE | ELECTHONICS AND COMMUNICATI ONS ENGINEERING | FUE | | 180 | 180 | Na, | 844 | NA. |
| ENGINEERIN G AND TECHNOLD GV | 1si Shit | UND ER GRA DUA TE | INFORMATION TECHNOLDGY | PULI | | 80 | 60 | NA | NA | NĂ |
| ENGINEERIN G AND TECHNOLO GY | tar shin | UND ER GRA DUA TE | MECHANICAL ENGINEERINO | THE | Ame University, Chereal | 123 | 120 | NA | NA. | NA |
| organations, gu | POCEITES | pproval i | NCROPE REPORT DA | AICTI | n fail saRPagaar av | STITUTE O and the p | r TECHNA Indertakin | 0LOOY and g / afficien | t follow ar | nd adhere to the |
| (org with the a (org with the a | pplication of the C | and dire | a subject to the o reform issued by Red by the institute the institute by t Paerre of the Counter | AICTI Ion on he AY | E from time to time portal, | and the p | r TECHNA ndertakin ing Body | g / affidav | t follow a It given 1 | ly the institution |
| iong with the a ourse(s) Apple Application (s) 1 | pplication of the C | and dire | It is the initial of | AICTI Ion on he AY | E from time to time portal. 2016-17: | and the p | ndertakin | g / affidav | it given l | ly the institution |
| forg with the a ourse(s) Apple Application (s) 1 | pplicavia editor C 2011/107 | approval i a and dire to submit losure by 567 | In the second by the institute of the fractions of the fraction of the Course BUSINESS | AICTI kon on he AY | E from time to time portal. 2016-17: | Affilia | ndertakin ing ikuay Javensky, | g / alliduv | it given l | ly the institution |
| Applications, gu forg with the s Application (c) 1 Program | pplicaria and for C centrillor Shan | pproval i and dre to submit tosare by 367 | Not by the Institute by Institute by The Institute by The Institute by The Institute by The Name of Energy Notes of Energy | AICTI kon on be AY | E from time to time portal. 2018-17: Full-Part Time | Affiar Affiar Astra I Cherry | nciertakir Ing Rody Josephy, | g / affictu | t given l | ly the institution |



Academic Year 2015-16

| F.No. Southern/1-245 | 254368/2015/FOX | | | | | | | | | |
|---|-------------------------------------|----------------------|--------------------|--------------|-------------------------------|---|-------------------------------|--|--|--|
| To, The Principal Secretar Higher Education Go N. K. M. Bid. 6th Floor Chennal-800000 | y of Carri Norks | | | | | | 07-Apr2018 | | | |
| Sub: Extension of ag | proval for the acar | dansic year | 2015-16 | | | | | | | |
| Ref. Application of the | | | | adersic year | 2015-16 | | | | | |
| SatMadam, | | | | | | | | | | |
| in terms of the provisio Negatations 2012 notifi- vocedures and condition | | | | | | provals for Technical In alled 27/09/2012 and no metry the approval to | stitutions) mis slandards, | | | |
| Regional Office | Southern | | Application | | 1-245 | 1-2456284368 | | | | |
| and and | | | Perminent Id | | | 1-6832081 | | | | |
| have of the institute | KARPAGAN INSTITUTE OF TECHNOLOGY | | Profiture Addition | | SEER. BOOF COME TAML | KARAGAN WSTITUTE OF TECHNOLOGY 87 ADDAY 246 LAT BYPAGS ROAD SERMARANA YOLAGE BODPALAYAN YOST COMBATCHE - 641 156 TAMUMOLU NACLIKARA, COMBATCHE, Tamil Naci, 641 306 | | | | |
| Name of the Boolety/Trust | KARPAGAM INST TECHNOLOGY | TUTE OF | Society/Train | Active ca | LAT B VILLA POST | PASS ROAD SEERAPH. GE.BOOIPALAYAM COMBATORE COMBATO | | | | |
| natilule Type | Unaided - Privata | | - | and and | 1000 | 4odu (541105 | | | | |
| | | | | | | | 10 | | | |
| Opied for change here Wirmon to Do-ed | No | Colorine TRAFTINE | change of | No | | Cipled for mange of site | No | | | |
| Zwingel Brown Wicerwon Io Co-extrappicture) | Not Applicable | Change o Approved | | Not Applicat | de . | Cruinge of site Approved | Not Applicable | | | |
| a state of the | | a statement | 115 74 | | | THE REAL PROPERTY. | | | | |
| conduct following cou | rsts with the intake | Indicated b | olow for the a | cademic year | 2015-16 | | | | | |
| Redon Number: 1-24562 | 54380* | | | | | | Page 1 of 4 | | | |
| | | | | | | Later Print | al On 11 April 2015 | | | |
| v: This is a Computer gen | erward Lebes of Appro | NAVA SALAR | are in required. | | | | | | | |

| | | | PHONE 237 | 24151/52 | Floor, Chandrak (53/54/55/56/57 | FAX: D | 11-2372 | 4183 | North Bi | ta India or |
|----------------------------------|-----------------------------|-----------------------|--|--------------|------------------------------------|---------------|----------------------|---------------------|----------------------|-------------------|
| Application is | Application at 1.2456284388 | | Course | 1 | Affecting Body | | 2 | 3 | 12 | ł |
| Program | Sheet. | Law | | Advert Teres | | Hairs 2016.75 | Franks Approximities | APU Approval status | Little Investor Cit? | Freedy Coleccerta |
| ENGINEERING AND TECHNOLOGY | 1 | GRADUA TE | COMPUTER SCIENCE AND EMGINEERING | FULL | Anna University, Chevrui | 60 | 60 | 544 | AA | NA |
| ENGINEERING AND TECHNOLOGY | 161 5518 | UNDER GRADUA TE | ELECTRICAL AND ELECTRONICS ENGINEERING | FULL Take | Anna University. Chennai | 60 | 68 | NA. | NA | 144 |
| ENGINEERUNG AND TECHNOLOGY | su Shit | UNDER GRADUA TE | ELECTRONICS AND COMMUNICATION S ENGINEERING | FULL TUNE | Anna University, Cherma | 180 | 180 | RA. | NA | NA |
| ENGINEERING AND TECHNOLOGY | iu Seit | UNCER DRADUA TE | INFORMATION TECHNOLOGY | PURA | Awa University, Chennel | 80 | -90 | NA | NA | NA |
| ENGINEERING AND TECHNOLOGY | 14 52.00 | UNDER GRADUA TE | MICHANICAL ENGINEERING | PULL | Asta University. Chernal | 120 | 120 | 545 | NA | MA |
| WWW.OEMEN T | 1 M Shift | POST GRADUA TE | BUSINESS ADMINISTRATION | PULL | Anna University, Chennai | 120 | (25) | NA | NA | - |
| NCA | 1st Shift | POST GRADUA TE | MASTERS IN COMPUTER APPLICATIONS | FULL TRAE | Anna University. Chenna | 80 | 60 | NA | NA. | 14. |

Note: Validity of the course datails may be verified at www.aicte-india.org-departments-seprovals

The above membioned approval is subject to the condition that KARINAGAM INSTITUTE OF TECHNICLOGY and follow and adhere to the Regulations, guidelines and directions leaved by AICTE from time to time and the undertaking / affidavit given by the institution thing with the washedow outprofiled by the auditative or partial.

------Note: This is a Computer generated Latter of Approval.Ne signature is required:

Page 2 of 4 Letter Printed Dis 11 April 2015

P. Harring P. Harringe



At India Council for Technical Education (A Statutory body under Ministry of HRD, Govt. of India) 7th Floor, Chandraick Building, Janpath, New Delhi- 110 001 PHONE: 23724151/52/53/54/95/76/757 FAX: 011-23724183 www.aide-india.org

In case of any differences in content in this Computer generated Extension of Approval Lotter, the content/information as approved by the Executive Council / General Council as available on the second of AICTE shall be final and binding.

Strict compliance of Anti-Rapping Regulation - Approval is subject to strict compliance of provisions made in AIGTE Regulation motified wide F. No. 31-31-baguiAIGTE20506 dated July 1, 2009 for Prevention and Pethibition of Rapping in Technical institutions. In case institution table to take adequate steps to Prevent Rapping or tails to act in accordance with AIGTE Regulation or fails to pumult prepetrations or incidents of Rapping. It will be lable to take any action as duffined under dause 9(4) of the said Regulation.

Dr. Avinash 5 Pant Actg Chairman, AICTE

Copy to:

- The Regional Officer, All India Council for Technical Education Shoshi Bhawan 28, Haddows Road Chennel 609 008, Tarril Nadu
- 2. The Director Of Technical Education, Tamil Nadu
- 2. The Registrar, Anna University, Chennal
- A The Private University, Chemist
 The Private University, Chemist
 KARPAGAM INSTITUTE OF TECHNOLOGY
 KARPAGAM INSTITUTE OF TECHNOLOGY
 SJ. NO2ATZAL LA TURNSS ROUG
 SEDUALAYAM INLANC
 GENMANTORE 441 105
 TAMELANDUL
 MACUNKARM.COMMATORE.
 Tamin Nadu 541105
- 5. The Secretary / Chairman, KARPAGAM INSTITUTE OF TECHNOLOGY LAT BYPASS ROAD, SEERAPALAYAM VILLAGE,BODIPALAYAM POST,COMBATORE, COMBATORE, COMBATORE, Tartii Nedu 641105
- 6. Guard File(AICTE)

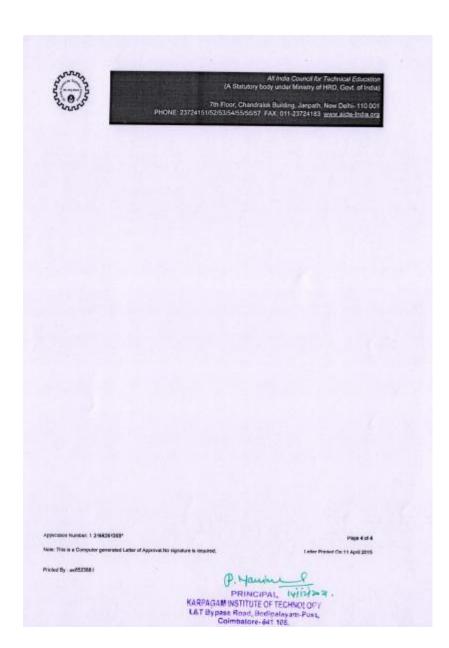
Application Number: 1-0458064368*

Note: This is a Computer generated Lotter of Approval No signature is required.

Page 3 of 4 Letter Printed On:11 April 2015

Printed By : au0523681

P. Haund PRINCIPAL IVID/Day KARPAGAM INSTITUTE OF TECHNOLOGY LAT Bypase Road, Bodipalayam.Pos. Colmbatore. 641 105



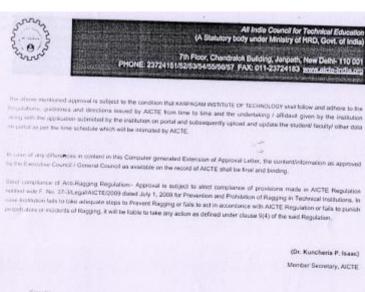
Academic Year 2014-15

| 000 | | HONE: 23 | 1724151/52 | /53/54/65/5 | 957 FA | 3ulding, Janpath, Ne C 011-23724183 <u>w</u> | w.aicte-India.org | | |
|---|-----------------------------|----------------------|-----------------|-------------------|-------------------------|---|-------------------------------|--|--|
| No. Southern/1-2017 | 234124/2014/EOA | | | | | c | ate: 04-Jun-2014 | | |
| k IC Philopal Secretary IgNer Education) Go K. M. Bid, Gh Floor Writte-R00009 | rt of Tamil Nadu. | | | | | J. | | | |
| 4 | | | | | | | | | |
| ib. Estamaten ut appe | oval for the academ | i: year 2014 | 1-15 | | | | | | |
| it Application of the I | relation for Extens | ion of appre | wal for the a | cademic year | 2014-15 | | | | |
| Machem, | | | | | | | | | |
| terms of the provision publicines 2012 notific conductes and condition | 10 by the Council we | se nosticato | m number F- | No.37-31Lett | al/2012-di | rovals for Technical Ins road 27/09/2012 and no may the approval to | stitutions) rms standards, | | |
| aposal Office | Southern | | Application | ld y | 5-2017 | 254124 | | | |
| | | | Permanent | ы | 1-6803 | 061 | | | |
| ane of the Wijdy w | TECHNOLOGY | | in situ te Ad | Institute Address | | RAPPAGINA INSTITUTE OF TECHNOLOGY 5.F ND347 JAN. LAT DIVENSE ROAD SEENAPPLAYAN VILLAGE BODPALAYAN VILLAGE COMMETGER, EAT TO TAMUNACU, NADUNKARAL COMMETCRE, Tamif Nada, 44735 | | | |
| arrie of the sciety/Trust | KARPAGAMINSTI TECHNOLOGY | TUTE OF | SocietyTo | V Addresa | LAT B VILLA POST, | PASS ROAD SEERAPAL E.BOOIPALAYAM COMBATORE, COMBATO | Contractory of the | | |
| ойию Тура | Unsided - Private | | 85-91 and 10, - | | | M60.641905 | | | |
| | | | | | | | | | |
| met kar shange frain onien to Ca-ed | No | Opted for name | charge of | Na | | Opled for change of size | Na | | |
| unge Fore Women to red approved | Not Applicable | Change o Apprendo | | Not Applies | itia | Change of site Approved | Not Applicable | | |
| mitust following cour | ses with the intake | indicated be | How for the p | icademic yea | r 2014-15 | | | | |
| | | | | | | | | | |
| calors humans 1-2017 | 234124* | | | | | | Page 1-14 | | |
| | | | | | | | regerine. | | |

| | Contraction of the | | PHONE: 237241 | 715 E | A Statutory body cor, Chandralok I v54/55/56/57 FA | Juldin | a, Jaripi | ath, Ne | w Delhi | 110 001 |
|-----------------------------------|--------------------|-----------------------|--|--------------|--|-----------------|--------------|-----------------|-----------------|------------------------|
| Application Mt. 1-2 | 0172341 | N | Course . | 8 | Although Docky | 13-14 | Approved for | Approval status | Approval status | Contensión A státus |
| Popgneri | | Lana | | fyaPar Line | | Printed 2013-14 | terts | NEU Appr | PIC App | Foreign C Appendia |
| ENGINEERING AND TECHNOLOGY | su gist | UNDER GRADUA TE | AERONALTICAL ENGINEERING | FULL TIME | Arra University. Chema | 00 | +0 | NA | NA | м |
| ENDINEERING AND TECHNOLOGY | tsi Snih | UNDER GRADUA TE | COMPUTÉR SCIENCE AND ENGINEERING | FULL TIME | Anna University. Chermal | 60 | 60 | NA | NA. | N |
| ENGINEERING AND TECHNOLOGY | 1st 5518 | UNDER GRADUA TE | ELECTRICAL AND ELECTRONICS ENGINEERING | FLEL TIME | Arvia University. Chennai | -80 | 60 | NA | NA | N |
| ENCHEERING AND TECHNOLOGY | tst Shin | UNDER GRADUA TE | ELECTRONICS AND COMMUNICATION & ENGINEERING | FULL TAVE | Atra University, Chevrai | 180 | 190 | NA | NA | N |
| ENGINEERING AND TECHNOLOGY | tal Swit | UNDER GRADUA TE | INFORMATION TECHNOLOGY | FULL TRVE | Anna University. Chernai | 40 | 60 | NA | NA | N |
| ExcineERING MID TEO-INOLOGY | 758 5149 | UNDER GRADUA TE | MECHANICAL ENGINEERING | PULL | Anna University, Chemai | 120 | 120 | NA | NA | N |
| NASAGEMEN T | 1st Shift | POST CRADUA TE | BUSINESS ADMINISTRATION | FULL TIME | Anna University, Chennel | 120 | 120 | hiA | NA | N |
| MCA | 145 Sinit | POST GRADUA TE | MASTERS IN COMPUTER APPLICATIONS | PULL TRVE | Anna University. Cherna | 60 | 60 | NA | NA | N |

+ Validity of the course details may be verified at www.aictn-india.orghdepartmentshapprovals

| Application Nomber: 5-2017234124* | | Page 2 of 4 |
|--|---|-------------------------------|
| Note: The is a Competer generated Letter of Approximate the APPROXIMIT | Pyromethic agentices in required. Pyromethy 2004. | Letter Printed Orc6 June 2014 |
| | KARPAGAM INSTITUTE OF TECHNOLOGY LAT Bypess Road, Bodinalayam Post | |



| | udige No |
|---------------|--|
| | The Regional Officer, All India Council Are Technical Education Shanki Rawani 26, Haddowa Ruad Cherniar - 600.000, Tamil Nata |
| 3 | . The Director Of Technical Education, Tami Nadu |
| 3 | The Registrar, Anna University, Cheorua |
| | The Principal / Director, KARINGAR INSTITUTE OF TECHNOLOGY KARINGAR INSTITUTE OF TECHNOLOGY SJF NO:047,248 LAT UVPASS HOAD SEERAPALAVAM VILLAAVAM VILLAAVAM BODIPALAVAM VILLAAVAM VILLAAVAM COMMINTORE - 041 105 TAMENADIE, MADUKARARU, CDIMBATORE, Tami Nadu, 641309 |
| 4 | THE ANDRODY FLAMMON, NORMACIAN INSTITUTE OF TECHNOLOGY LAT BYPASS ROAD SEERAAACAYAM VELACE, BODIPALAYAM POST COMMATCHE, COMBATCHE, COMBATCHE, |
| | maa Lumuuntur Payabora |
| Will Division | Comparison provided Letter of Approval No inclusions in second and |
| Average A | P Manine Cond June 2014 |
| | KARPAGAM INSTITUTE OF TECHNOLOGY |
| | L&T Byptss Road, Bodinalayam Post |
| | Last concerns recent contribution and recent |

| surg . | All India Council for Technical Education (A Statutory body under Ministry of HRD, Gort, of India) |
|--|---|
| 2 | |
| PHON | 7h Floor, Chandraick Building, Janpath, New Deth. 110.001. NE: 23724151152/53/54155156157 FAX: 011-23724183 www.akia-india.org |
| | |
| Tamit Nadu (641105 | |
| 6. Guard File(AICTE) | |
| | - |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | Page 4 of 4 |
| Automation Number, 5:0017234124* | |
| Note: This is a Dorsesher generalised Letter of Ag | P. Hannel |
| Peried By AESSZART | PRINCIPAL 19112/3034 |

Academic Year 2013-14

| 0.00 | p | HONE: 23 | | Floor, Cha | ndralok | under Ministry of Hi Building, Janpath, N X 011-23724183 w | ew Delhi- 110 001 |
|---|--|---------------|--------------------------------|------------------------------|-------------------------------|---|-------------------|
| F.No. Southern/1-1455 | 02642/2013/EOA | | | | | c | late: 19-Mar-2013 |
| To, The Principal Secretary (Higher Education) Gov N. K. M. Bid, 6th Floor 3 Chennal-600009 | t of Tamil Nadu, | | | | | | |
| Sub: Extension of appro | wal for the academ | k year 201: | 3-14 | | | | |
| Ref. Application of the l | stitution for Extens | sion of appre | aval for the ac | ademic year | 2013-14 | | |
| SinMadam, | | | | | | | |
| In terms of the provision Regulations 2012 notifie procedures and condition | d by the Council vi ns prescribed by th | de notificati | on number F- om time to tir | No.37-3/Leg ne, 1 am dire | al/2012 d scled to o | aned 27/09/2012 and n privey the approval to | |
| Regional Office | Soutiers | 8 | Application | | | 6632842 | |
| and the state of the state of the state of the state of the state of the state of the state of the state of the | and is | | Permanent | a | 1-890 | State of the second second | |
| Name of the Indiate | TECHNOLOGY | | Institute Address | | 8.F.N BODI COIM TAME | AGAM INSTITUTE OF TI OL247,248. LET BYPASS APALAYAM VILLAGE PALAYAM POST BATORE - 641 105 INAOU, MADUKKAPAL 0 ,641105 | ROAD |
| Name of the Society/Trust | KARPAGAMINST TECHNOLOGY | TUTE OF | Society/True | / Addresse | POST | VPASS ROAD SEERAPI OE BODIPALAYAM COMBATORE, COMBA Nsdu 641105 | |
| Institute Type | Unsided - Powate | - | - | | 1.011 | | |
| | - | 10 | Col annual | 18 | 1 | | |
| Opted for change from | No | Clothead for | r change of | No | - | Opted for change at | No |
| Women to Goled Charge from Women to | Not Applicable | Change | ol name | Not Applic | able | sile Change of site | Not Applicable |
| Co-ed approved | L'active de la | Appeove | đ | | | Approved | |
| o conduct following cou | rses with the intake | indicated b | elow for the a | cademic yea | ar 2013-1 | • | |
| | | | | | | | |
| | | | | | | Page 1 of 3 | |
| pplination Number 1-1455 | 650.842* | | | | | | |
| liggification Number 1-1455 40te: This is a Conguter ge | | Approval Lett | | in required. | | Latter Printed On 20 Ma | eth 2013. |

| C. S. | | F | HONE: 237241 | | (A Statutory body Toor, Chandralok E 3/54/55/56/57 FAX | Suilding | lanpath, | New D | elhi-1 | 10 001 |
|-----------------------------------|-----------|-------------------|---|----------------|--|--------------|--------------|-------|--------|---------------------|
| Application M. 1 1465632042 | | | Counte | 2 | Alikating Bady | 512 | Approved for | | | Fange Colleboration |
| Program | sın | Level | | Full Part Time | | Make 2312 13 | htanin App | ¥ | 014 | Foreign Co |
| ENGINEERING AND TECHNOLOGY | tol Shik | UNDER GRADUATE | AERONAUTICA L ENGINEERINO | FULL TIME | Area University, Chernal | 60 | 60 | No | No | No |
| ENGINEEPING AND TECHNOLOGY | 161 (94)1 | UNDER GRADUATE | COMPUTER BOIENCE AND ENGINEEPING | PULL | Anna University. Chernal | 60 | 60 | No | No | No |
| ENGINEERING AND TECHNOLOGY | 1ai (Syr) | UNDER GRADUATE | ELECTRICAL AND ELECTRONICS ENGINEERING | PULL | Anna Uriversity. Cheerai | 60 | 60 | Na | No | No |
| ENGINEERING AND TECHNOLOGY | tai Shit | UNDER GRADUATE | ELECTRONICS AND COMMUNICATI ONS ENDINEERING | PULL TIME | Anna University: Chennai | 180 | 180 | No | No | No |
| ENGINEEPIING AND TECHNOLOGY | 161,5141 | UNDER OPADUATE | NFORMATION TECHNOLOGY | PULL | Anna University, Chennai | 60 | 60 | No | No | No |
| ENGINEERING AND TECHNOLOGY | Tet Shift | UNDER GRADUWTE | MECHANICAL ENGINEERING | FULL TIVE | Anna University, Otennar | 150 | 120 | No | No | Na |
| MANAGEMENT | 167.5747 | POST ORADUATE | BUSINESS ADMINISTRATI CIN | FULL | Arra University, Chennai | 120 | 120 | No | Ns | No |
| MCA | Lat Shift | POST GRADUATE | MASTERS IN COMPUTER APPLICATIONS | FULL | Anna University, Cherros | 60 | 60 | No | No | N0 |

Validay of the course details may be writted of many schedulin any alignstron (a support aligned)

The above mentioned approval is subject to the condition that KARPAGAM INSTITUTE OF TECHNOLOGY anal follow and adhere to the Regulations, guidelines and decitions issued by AICTE from time to time and the undertaking / affaivit given by the institution

| Application Number: 1-1455632642* | | Page 2 of 3 |
|--------------------------------------|----------|-------------|
| Note: This is a Computer generated E | P. Manin | |



Alf India Council for Technical Education (A Statutory body under Minisity of HRD, Goxt, of India) 7th Floor, Chandralok Building, Janpath, New Dehi 110 001 PHONE: 23724151:52/53/54:55/56/57 FAX: 011-23724183 www.aktib-India.org

along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive: Council / General Council as available on the record of AICTE shall be final and binding.

Shict compliance of Anti-Ragging Regulation- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-31.epat/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to purch perpetrators or insidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

> (Dr. Kuncheria P. Isaac) Member Secretary, AICTE

Copy to: 1. The Regional Officer, At India Council for Technical Education Shaatri Bhawan 26, Haddows Road Channal - 600 006, Tamil Nadu 2. The Director Of Technical Education, Tami Nadu The Registrar, Anna University, Chennal 3. 4. The Principal / Director, KARPAGAM INSTITUTE OF TECHNOLOGY KARPAGAM INSTITUTE OF TECHNOLOGY S.F. NO.247.248. LAT BYPASS ROAD SEERAPALAYAM VILLAGE BODPALAYAM POST COMISATORE - 641 105 TAMILIAAYAM POST TAMENADU, MADURGARALCOIMBATORE, Tamii Nadu,641105 5. The Secretary / Chairman, KARPAGAM INSTITUTE OF TECHNOLOGY LAT BYPASS ROAD SEERAPALAYAM VILLAGE,BODIPALAYAM POST, COMBATORE, COMBATORE, COMBATORE, Tamil Nadu,641105 6. Quard HIN(AICTL) Application Number: 1-1455632642* Page 3 of 3 No signature is required. Note: This is a Computer generated Extern Later Printed On:30 March 2013. P. Hauner Brancipal Stight - KARPAGAM INSTITUTE OF TECHNOLOGY Printed By : act623681

Academic Year 2012-13

| No. Southern'1-70605 | 2601/2012/EOA | | | | | Date: 10 M | las 2012 | | | |
|--|--|-------------------|-------------------------|--------------------|--|---|-----------------|--|--|--|
| | | | | | | | | | | |
| Fil. The Principal Secretary Higher Education) Govi 4. K. M. Bid Rith Pleor S Chennal-600009 | | | | | | 3 | | | | |
| Sub: Extension of appro | vailer the scadem | in waar 2015 | | | | | | | | |
| Ref. Application of the In | | | | edernic year 2 | 2012-13 | | | | | |
| Sa Madam. | | | | | | | | | | |
| | 1 | | | | | | Alexander and a | | | |
| | | | | | | rovals for Technical Ins (ed 10/12/2010 and an | | | | |
| | 37-36.egal/2011 c | fatied 30/09A | 2011 and non | | | area and conditions pre- | | | | |
| Source Formation of the | | Convey are | approver op | 1 | | | | | | |
| Regone Office | Southant | | Application (| d | | 62691 | | | | |
| | | | Perminent | Perminent Id | | 1.892,081 | | | | |
| have of the institute | KARPAGAN INSTITUTE OF TECHNOLOGY | | instrum Address | | KANYABAN INSTITUTE OF TECHNOLOGY S.F.NO.247.248. LST BYPASS ROAD SEERANAA ANTAN VILLASE DOLPALAYAM POST COMBATORE: SAT IOS TANKINGO, COMBATORE, COMBATORE, Tand | | | | | |
| | KARPAGAM INST | | 1121 | 22961 | Nota. | 641305 PAGS ROAD SEERAPM | | | | |
| Name of the Scorey/Tost | TECHNOLOGY | ITO IS UP | GF Society/Teal Address | | VILLAGE DODPALAYAM POST.COMBATORE.COMBATORE.COMBATORE Taxii Nadulistitis | | | | | |
| Institute Type | Unusted - Private | 7 | THE CONTRACTOR | | 1 | | | | | |
| | 14 | | 1 | | | | 100 | | | |
| Opend for change from | No | Option for | r change pl | T No | | Optical for change of | No. | | | |
| Worken to Cored Change from Workeri to Cored approved | Nit Applicable | Change Approve | of name d | Mot Applica | de. | Change of site Approved | Not Applicable | | | |
| | | | | | | | | | | |
| o conduct following cou | naa with the intuke | indiculed t | wkow for the a | cadamic yoa | r 2012-13 | | | | | |
| calication Namber: 1 1980 | 62991 ⁻ | | | | | Page 1 ol 4 | | | | |
| one. This is a Computer get | and the second sec | Contract in | and the second second | the second desired | | Letter Printed On: 16 May | | | | |

| Applicas X088528 | 101 | | Co.s | | Atlating Body | 1 | 2 | 3 | | 8 |
|---|-----------------|---|---|-----------|-------------------------------------|----------------|-----------------------------|----|--------|--------------------|
| Program | 80 1 | Len | | | | 11-11-11 miles | brake Approved for U. 13 | 10 | 2 | Farige Coldecation |
| ENGINE ERING AND TECHNO LOGY | 28. | | AER GNA UTIC AL ENS REE RIN G | PALTHE | Anna University Cointratove | 40 | 63 | No | NO. | nio Nio |
| ENGINE ERING AND TECHNO LOGY | Tut Shi R | UN DE R GR AD AD TE | COM PUT EN SCIE NCE AND ENG RIN | PALTAE | Arma University, Combatore | 80 | 53 | No | Has | No |
| ENGINE ERING AND TEDINIO LOOY | 98 e | UN DE R GR D IN TH | G ELE CAL AND ELE CTR CAL AND ELE CTR CAL B NG ENG ENG ENG ENG ENG ENG ENG ENG ENG | FULL TIME | Anna Driversity, Colmbetone | 60 | 60 | 10 | No | Fig. |
| ENGINE SPENS AND TECHNO CODY | ter Sh K | UN DE R OR ADA ILA TE | LEER ON CS AND MAN COM | FULL TIME | Asna University, Ceretatore | 120 | 190 | No | Mo | Ney |
| ENONE ERING AND IECHNO LOGY | tut Shi R | UN DE A OR AD UA TE | INPO RMA TION TEC HNO LOG Y | PULITHE | Anna Ulivversity, Cointbutkee | 80 | 68 | Ng | Page 1 | Ma |

| Saus | |
|------|--|
| 2000 | |

Alf India Council for Technical Education (A Stelutory body under Ministry of HRD, Gent, of India) 7th Floor, Chandralak Bunding, Janpats, New Detri-110 001 PHONE: 2372415452/53/54/55/64/57 FAX: 011-23724183 <u>www.nick-1cla.org</u>

| Apploatien) 706852891 | #1- | | Ecold 88 | | Attracting Budy | 12 | approval for | | | Accentor |
|--|-----------------|------------|--|--------------|------------------------------------|--------------|--------------|----|----|----------|
| Program | a. | Lav al | | research the | | PARKS 2011-1 | the other | 2 | £ | Tores O |
| ENGINE ERING AND TECHNO LDOY | 10 575 11 | | MEC HAN9 CAL ENG INEC RIN G | PULLING | Ame University, Cointetore | 80 | 120 | Ne | No | Pag |
| MANAG EMENT | 11 58 m | P0562051 | BUSI NES 5 ADM NIS THA TION | PULL TANE | Arra University, Cointaitine | 128 | 120 | NS | No | No |
| HEA | 1# 58 9 | POT STATIS | AMAS TER SIN COM PUT ER APP LICA TION S | FULL TIME | Anna University, Combiliate | 90 | 63 | Na | Na | Na |

The above mentioned opproval is subject to the conduce that KARAKAW nextmut() of Tepledoc.cov was follow and adhere to the Regulations, guidelines and directions insued by ACTE them time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on gorbl.

In case of any differences in contact in this Computer generaled Extension of Approval Letter, the content information as approved by the Electricity Council / General Council as available on the record of ArCTE shall be final and bedrep.

Strict compliance of Anti-Rasging Regulation- Approach is subject to strict compliance of provisions made in ACTE Regulation notified vide F. No. 37-31.eps/AUTE72009 dated July 1, 2009 for Prevention and Prohibition of Regging in Technical Institutions. In Case Institution fails to take adequate steps to Prevent Regging or fails to act in accordance with AUTE Regulation or fails to parally preparations or incidents of Regging, it will be liable to take any action as defined under clause 9(4) of the sold Regulation.

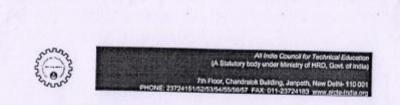
| | | (Dr. K P Isaac) |
|--|--|------------------------------|
| | | Member Secretary, AICTE |
| Curry lix | | |
| The Regional Officer. At table Council for Technical E | ducation | |
| Application Namber: 1-706852801* | | Page 3 of 4 |
| Note: This is a Computer generated Extension of App | roval Latter. Ne signature is vegative? | Lotter Presid Oc.18 May 2017 |
| Protect By: AD0523681 | P. Hanin | re |
| | PRINCIPA KARPAGAMINSTITUTE OF LAT Bypess Road, Bodip | TECHNOLOGY |

| 5 | Ait India Council for Technical Educa (A Statutory body under Ministry of HRD, Gort, of In |
|------------------|---|
| 5000 S | 7th Floor, Chardonick Building, Jangath, New Dehis 110 PHONE: 23724151/52/53154/56/06/57 FAX: 011-23724183 www.acte-Inde |
| | Shaetti Bruwan 29, Haddowe Roog Chennal - 600 009, Tamii Nado |
| 2 | The Director Of Technical Education, Tami Nade |
| 3 | The Registrar, |
| * | The Principal / Director, KARPAGAM INSTITUTE OF TECHNOLOGY KARPAGAM INSTITUTE OF TECHNOLOGY S F A0247248.LST BYPA3S INDAD SEETURPALAYAM VILLAGE BODIFALAYAM VILLAGE BODIFALAYAM FOOT COMBATCINE641 105 TAMLIABUL COMBATCINE, COMMATCINE, TONI Manu,441105 |
| 8 | The Secretary / Chairman, KARPAGAM INSTITUTE OF TECHNOLOGY LAT BYPASS ROAD, SECRAPALAYAM VILLAGE, BODPALAYAM POST COMBATORE, COMBATORE, COMBATORE, COMBATORE, COMBATORE, COMBATORE, Tamir Nadu, 641105 |
| | 5.0.5 |
| | |
| | |
| | |
| | |
| Application Name | wr 1-780052891* Page 4 of 6 |

Academic Year 2011-12

| F No. South | en 1-40161 | 9462(201 | HEDA | | | | | | | Date | 01-09-201 | 11 |
|--|---------------------------|---------------------------|---|---------------|---------------------|-------------------------------------|---------------|--|---|-------------------------------------|--------------------|-----------------------|
| To, The Principal Higher Educ V K. M. Bitt Chemica-600 | ation) Gov 6th Fleor S | . of Taesd ecretarial | Nadu. | | | | | | | | | |
| ShWadam | Sut Ref | Extens Applica | ion of approval to tion of the Institut | r th | e acade for Exis | mic year 2011- insion of Appro | -12. wal t | kar the V | Nar 2011- | 12 | | |
| to science of its | o Regulatio | na notifer d by the C | I by the Council o ouncil from time t | ale to the | P No. 3 | 17-M.egai/201 | . 42 | 00 1011 | aanu an | d mannes, | standards | procecha |
| Hagional Offe | | Southern | | | - | afoe id | 2 | 1401 | | approva. | or the Lou | nci lo |
| | 1.200 | | | - | Parse | nert ki | 1-66.320 | | Ben . | | | |
| Name of the i | 1127.45 | KARPAG | AM INSTITUTE OF | | Patte | a Actives | | S.F.NC SEER/ BODIP COMB TAME | PALAYAM ALAYAM ALAYAM ATORE - 6 VADU, CON | AT BYPA VILLAGE OST 41 105 | TECHNOL SS ROAD | |
| Name of the Society/Trust | | KARPAD | AN INSTITUTE OF | | 30.00 | ATTruet Addresse | | POST/ | PASS RO | HELCOM | PALAYAM | |
| insiin.de Type | | Unsided | Private | | | | | Tarvit | Larla (64110 | | | |
| Appresion & | | | e intake indicatee | d be | i low for | the scadernic y | | 2011-12 | - | 5 NR. | 1 80 | _ |
| - | | | 13 10 23 | | | Doty | | 10-11 | 4 | - | - | um |
| Program | 541 | Lover | TELED S | Guidean True | | | - 1000 | | Priste Approved | S.H. | | Foreign Collaboration |
| ENGALER ING AND TECHNOL DOV | tut Shift | UNDE R GRAD UATE | AERONAUTIC AL ENGINEERIN G | PE | ME | Anta University, Cointaiture | 60 | | 60 | No | 340 | Ne |
| CHOINCER IND AND TECHNICK DHI | ta fait | LHPP R ORAD UKTE | COMPLETE SCIENCE AND ENGINEERIN 0 | | ME | Aring Ultiversity Colorhadros | - | | -80 | Pik. | 14 | hu |
| _ | - | hi | | L | _ | 5 | | | | | | |

| Application k | x s 4016104 | 63 | Conta | an a | Afriating Body | 8-taka 2010-11 | A.P. | NPU | P.O | uniter |
|---------------------------------------|-------------|----------------------------|--|--------------|------------------------------------|-------------------|----------------------|-----|-----|----------------------|
| Program | Sha 3 | Level | | and land | | | 1 pavente februard 1 | | | Farego Collaboration |
| ENGINEER ING AND TECHNOL DGY | tu Shik | UNDE R GRAD UATE | ELECTRICAL AND ELECTRONIC 9 ENGINEERON G | PULL | Anna University, Cointestore | 80 | 60 | No | Ne | Mer |
| ENGINEER INS AND TECHNOL OGY | 14 56.8 | UNDE N GRAD LIATE | ELECTRONIC S AND DOMENNICA TIONS ENGINEERIN 0 | POLL TIME | Anne University, Coimbatore | 83 | 120 | 80 | PAG | Mo |
| ENGINEER ING AND TECHNOL DGY | THE DAVE | UNDE R GRAD UATE | INFORMATIO N TECHNOLOG Y | FULL | Anita University, Colmbatore | w | 60 | No | No | No |
| ENGINEER NG AND TECHNOL OGY | tu Shit | UNDE R GRAD UATE | MECHANICAL ENDINEEMIN G | PULL | Anna University Colmbatore | 80 | 40 | No | Mo | No |
| NAVANGEN LINI | 1a: Shift | POST GRUD UNTE | BUSINESS ADMINISTRIA TIGN | FULL TIME | Acra Umvenity, Calmissione | 40 | 120 | No | No | No |
| MCA | 101 56.4 | POST SRAD UATE | WASTERS IN COMPUTER APPLICATION S | FULL TIME | Anna University Constations | 60 | 60 | No | No | Mo |
| equiations. | guidelines | and drect | nubject to the corr long tissued by A d by the institution | CTE from | n time la time a | | | | | |



by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Elseri compriserio el Anti-Bagging Regulation: Approval la subject lo strict compliance of provisions made in AUCTE Regulation notificit vide F. No. 37-33 equilARCTE/2009 dated July 1, 2009 for Prevention and Prohibition of Regging in Technical Institutions. In case methodos faits to take adequate steps to Prevent Regging or faits to act in accordance with AICTE Regulation of faits to participerpenditors or insigents of Regging. It will be table to take any action as defined under classe 5(4) of the taid Regulation

| | - | (Dr. K P isaac) |
|--------------|--|------------------------------|
| Copy to | | Member Secretary, AICTE |
| Copy te | The Regional Officer, All India Council for Tophysical Education Sharsh Bhawan 26, Haddgows Road Chennas - 600 098, Tanti Nadu | 2 |
| | 2. The Director Of Technical Education, Tamil Nadu | |
| | 3. The Registrar, Anna University, Coentratore | |
| | The Principal / Director, KARPAGAM INSTITUTE OF TECHNOLOGY KARPAGAM INSTITUTE OF TECHNOLOGY S PRO347244, LIST BYPASS ROAD SEERAPALYAM VELVAGE DODPALAYAM VELVAGE COMMATCHE - 041 105 TAMUNADU COMMATCHE, SCHWBATCHE. | |
| 55 | Tarii Nadu,841105 | |
| | The Secretary / Chairman, KARPAGAM INSTITUTE OF TECHNOLOGY. LAT KITHAN SHORD SERAPALAYAM VILLAGE, BODIPALA COMBATCRE, COMBATCRE, Tami Naduket105 | VAN POST,COMBATORE, |
| 1 | 6. Guard File(AICTE) | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| AppRoation 8 | Lances 1.4010/04462 | mumel. |
| Non Think | a Computer generated Extension of Approval Letter. No signature is required | PRINCIPALIVIIS/2024 . Meters |
| | KARPAGAMIN | ISTITUTE OF TECHNOLOGY |
| | L&T Bypest | Road, Bodinalayam-Post, |

Academic Year 2010-11

| Ťà | Southern Region | | | .1 | August | 23, 20 |
|------------------------------------|--|--|--|--|-------------------|----------------|
| Suit | Ideal Secretary (Higher Educ) Nor Secretarial, Cheenai 40 * Extension of approval for | 0009 | | non John oglolla | 92 | 9942 |
| KAR TECH 105T | PAGAM INSTITUTE OF T HIOLOGYS.F.NO.247,248 AMILNADU, COIMBATORE | LAT BYPASS P TAMIL NADU, P | RARPAGAM IN RARPAGAM IN ROADSEERAPA IN : 641 105 | Sitegar2010 and norms, standarda, pr the extension of approval of the Council STITUTE OF TECHNOLOGY, KAMPA LAYAM VILLAGEBODIPALAYAM POS | to : | |
| Sr. No. | Program | te with the intake intake | Shift | The academic year 2010-11: Course | Intake 2009-10 | Intai 2010- |
| | Engo J Tech | UG | First Shift | MECHANICAL ENGG | 60 | 2010 |
| 2 | Engg / Tech. | , us | First Shift | INFORMATION TECH | 65 | |
| 3 | Ergg / Tech | , na | Fint Shift | ELECTRONICS & COMMN ENCO | 60 | - |
| 4 | Engg / Tech | UG | First Shift | ELECTRICAL & ELECTRONICS ENDG | 60 | |
| 5 | Engo / Tech | ug | First Shift | COMPUTER SCIENCE & ENGG | 60 | - |
| 6 | Engg / Tech | 05 | First Shift | CIVIL ENGG. | 0 | - |
| 1 | Engg / Tech | US | First Shift | AERONAUTICAL ENGO | 60 | |
| . 1 | APPLICATION | PG | Fist Shift | MCA [FULL TIME] | 60 | |
| 9 | Management | PG | First Shift | MBA (FULL TIME) | 60 | - |
| KARPA TECHI 105TA shall M | MILNADU, COMBATORE, 1 allow and adhere to the reg | CHNOLOGY, KA &T BYPASS RC TAMIL NADU, PIN Infations, guidelin | ARPAGAM INST ADSEERAPAL/ 4:641 106 es and direction | ITUTE OF TECHNOLOGY, KARPAG VVM VILLAGEBODPALAVAM POST s issued by AICTE from time to time in y the institution on portal and hard copy I | COMMITTEE | E - 6 |

p. 0.000 CON All India Council for Technical Education (A Statutory Body under Ministry of HRD, Gort of India) 語能 7th floor, Chandratok Building, Janpath, New Defhi 110 001 Phone : 11 23724151-57 FAX : 11 23724183 www.aicle-india.org Anti-Happing - The approach is subject to the institutions shirtly complying with all the provisions made under the Anti-Manual MCTR (2008) share 1.5, (2008) failing while, it will be failed to any action defend under shares (2014) of this regulation. F.Me on notified by council wide Yours faithfully, Dr. S. G. Bhirud Director Director
 The Descence of Necrosol Descence, Get #Term
 Get Grant
 The Descence of Necrosol Descence, Get #Term
 Get Grant
 Get
 Get Grant
 Get
 Get Grant
 Get
 Ge Tires be P. Haning P. Haning Sorry . PRINCIPAL IVID 2004 . KARPAGAM INSTITUTE OF TECHNOLOGY LAT Bypess Road, Bodipalayam.Post, Combatore: 641 105. A .

Academic Year 2009-10

| L | REGION: SOUTHERN | US AS ON 11.07.2009) | State: Tam | Nada |
|---|---|--|--|---|
| | AMPAN COLLEGE OF ENGINEERING & TECHNOLOgy Sp.G. OKDAMBARA NACKIR-C. NAGARMAL C. S.P. G.C. MARA, 1995 ROX NO. 120, VIRUMENANGAR - 626 001 Van d fait : 1998 Ne No. 730-53-311(E2)(E7)/79 Inn: Anno Interestiv, Trichy Type, PVT Prevail : Dr. X. Andreath Pauro No. Peter 517(51), 121, 174 Tackie: 04562-344078 Email: Nortilmed3 variate.in | BD TECHNOLOGY# COMPUTER SCIENCE & INGG.# TECTROLLA & BLECTRONICS ENCCH FLECTRONICS & DOME, ENGLAF ELECTRONICS & DOME, ENGLAF ELECTRONICS & DURTE, MENIATIONA DIFORMATION TECHNOLOGY# MCDIANICAL ENGL NOLWIGE TECHNOLOGY ML: PLOYMEN TECHNOLOGY CIVIL FINGS # Accredited w.e.f 10.02, 2009 *Accredited w.e.f 19.07, 2008 | 60 60 60 60 10 45 18 18 18 00 471 | 6 11 5 5 5 5 5 5 5 6 11 11 11 11 64 62 |
| | Example Partury on Example River Collect, acutarisme, Mynemicasium (Collect, acutarisme, Mynemicasium) (Collect, acutarisme, Collection) and Soft me (Scill) (Collection) the (Scill) (Collection) the (Scill) (Collection) the (Scill) (Collection) the (Scill) (Collection) acutarisme (Collection) collection) collection (Collect | COMPLIER SCHENCE & ENGL ELECTRICAL & ELECTRONICS ENGL ELECTRONICS & COMPLEXE FUNG INFORMATION TECHNOLOGY HECHANICAL ENGL MBA | 90 60 110 90 60 60 480 | 90 60 12 50 60 48 |
| * | INDERGA VINAVALIA COLLECE DE INIGA B TECH, G.S.T. DORO, CHINA KELCAMBARKAM PREAMARCE (PC), MODELANTINGAM (TK), KANCHIPURAM- BG 308 TAMELAADU New of Est 1 2001 Me Xino Vinewastly, Chemasi Tale: JVH Recout: PVH Recout: PVH Recout: PVH Precout: PVH Recout: PVH | BIO TECHNOLOGY COMPUTER SCIENCE & ENGG ELECTRICAL & ELECTRONICS ENGS ELECTRICAL & ELECTRONICS ENGS INFORMATION TECHNOLOGY NBA (PT) NEONNICAL ENGS NCA | 60 90 60 60 60 60 540 | 60 90 60 90 60 60 60 60 50 540 |
| the second second second second second second second second second second second second second second second se | CARAGAM COLLIGE OF ENGINEERING 9 NO. 753, 759, 700, OTTMANG AMADAMAN VILLAGE, COMMETCRE DIST - 641.032 TAMIL NACU Four of Etal : 2000 No. Xino UVenesh, Combatore Tami PVT Pencyal Dr. K.M. Mohana Sandaram, Pencyal Dr. K | COMPUTER SCIENCE & ENGS.* ELECTRANCE & ELECTRONICS ENGS INFORMATION TECHNOLOGY ** NECHNOLS & COMP. WAGG.* NECHNOLS & COMP. WAGG. INFORMATION TECHNOLOGY ** NECHNOLS & INSTRUMENTATION ENGS. INFORMATION TECHNOL & ENGS. INFORMATION TECHNOLOGY ALICONOMITER SCIENCE & ENGS. INFORMATION TECHNOLOGY ALICONOMATION TECHNOLOGY ALICONOMATION TECHNOLOGY ALICONOMATION TECHNOLOGY ALICONOMATION TECHNOLOGY ALICONOMATION TECHNOLOGY ALICONOMATION TECHNOLOGY ALICONOMATION TECHNOLOGY | 120 120 120 120 120 120 120 120 120 120 | 1200 1200 1200 1200 1200 1200 1200 1200 |
| - turner | Inc. PVT Mental. Jr. G Chandrandan/30-5 58/ Hull Hednastol Mol22 261146 fore-H22-261043 1. Errors and omissions if any, may immediately be 1 Fax:081-38724570 2. The deficiency letters in respect of the institution approved are being dispatched separately to the MARPAGRAM MONTHS | PECHARICAL ENGS. MCA rought to the attention of Adviser E&T, Hqis, | 60 00 360 New Delhi ~ ourses(s), but n | 60 60 60 450 |

Academic Year 2008-09

| 001. | - + 2 and from There are a first first | साविधिक निकार) (A v | at Jury Peder of the S | |
|--|--|--|--|--|
| | F. Printerson and A. | tor of vectorelogy | 1 | invt of ledial . |
| | Contract and say | THE. | 5-1 05/05/TN/EAT/1 | 882/31 |
| | CE T | a the | Date- 17/5 | 0/2000 / L |
| Tis, The Principal Secretary (Education Department) | Debuging | P | VI | ap |
| Gost. of TAMIL NADU, Secretarian, Fort St. Georg Chromatics 600 009. | have a second se | | I FY | |
| Sab. ARTE Apponen | I for esteroid service / SETTUTE OF TECHNO | Variation to intake / intro- | duction of additional cos | eners Be |
| Ref Letter of even o | o Dated 219 May 2008. | | | |
| St. | a manage a start same | | 2 | |
| NL. | | | | |
| | te d'ensated's letter refermed ab | over, the Revened Latshe" its | e div yor 2008-07 in air | PORT-H |
| EARPAGAM INSTITUT COMBATORE 641521 | TE OF TECHNOLOG | V, SRUPALAYAM VIL | LAGE, LAT, BP 1 | DAD, |
| EARPAGAM INSTITUT COMBACTORE GUIDI 1/2 Name of the | te 2- under Course (s) | Existing Letador 2009-09 | Revised Intake* 2008-09 | 003010 |
| BARPAGAN INSTITU COMBATORE GLIQI 1/ None of the COMPUTER STIPNES & ELLET DUNIES & COMM | Counter (s) (2003) (2003) (5003) | Estating teradar | Revised Intake* | 003010 |
| EARPAGAM INSTITUT COMBACTORE GLIGI 7/ None of the COMPUTED STUDIES & COMP THE TROMICS & COMP INSTRUCTION FOR THE | Counter (s) (2003) (2003) (5003) | Estining TeraSu 2008-09 60 60 60 | Barrised Intols* 2008-09 60 60 60 | Period of Ap |
| BARPAGAM INSTITUT COMBACTORE 641021 7/ Name of the COMPUTER STRENGE & DEPT DENGES & COMM DECEMBENCE OF COMPUTER DECEMBENCE OF COMPUTER DE | Country (s) F2N(3) F2N(3) F2N(3) N(3) N(3) N(3) | Existing Letador 2008-09 60 (a) | Berised Intske* 2008-09 (0) (0) | Period of Ap |
| EARPAGAM INSTITU COMBATORE 64 (2) 7/ Note of the COMPLETE SCIENCE & 1244 DEPARTMENT A COMM DROBLICTICS A COMM DROBLICTICS OF DROB | Country (c) (2003) (| Examing LetaSo 2009-09 60 60 60 60 97 90 90 | Errised Intelse* 2008-09 60 60 60 40 60 60 60 60 | Period of Ap |
| RAIPAGAM INSTITUT COMMENDE GEREI | Comme (c) PAN (C) P | Existing Rec26e 2008-09 64 66 66 60 00 00 240 arc in instar / animum | Berrised Intake* 2008-09 60 60 60 60 60 60 500 500 | Period of Ap |
| EXEPACEM INSTITUT COMMENTERE GENEL 7 Nome of the COMMENTER SERVICE 1 IN THE SERVICE A COMMENTER 1 IN THE SERVICE A COMMENTE | Counter (s) Counte | Existing facility 2006-09 00 00 00 200 200 200 200 ant in indee/ variation of filasion with respective of r FDR of Rs. 15 lakhs the concerned Regions optimate in any be laking the concerned Regions | Revised Intolog* 2008/09 001 01 00 00 00 00 00 00 00 0 | Period of Ap |
| RARPAGAM INSTITUT COMMENTERE GENEL COMMENTER GENEL COMPLETER STRUCK A COMM DATA THE STRUCK A COMMENTER DATA THE STRUCK A COMMENTER DATA THE STRUCK A COMMENTER DATA THE STRUCK A COMMENTER THE STRUCK A COMMENTER THE STRUCK A COMMENTER AND THE STRUCK A COMMENTER AND THE STRUCK A COMMENTER ADDRESS A COMMENTER THE STRUCK A COMMENTER ADDRESS A COMMENTER THE STRUCK A COMMENTER ADDRESS A COMM | Countre (c) Countre (c) F2M/211 F2M/211 F2M/211 F2M/211 F2M/211 F2M/211 F2M/211 F2M/211 Teed COULS F1M/21 Teed of administor quited to submit a joint A by 31 ^o August 2005 for reg systemal based out day pays for and only facilities for the | Existing Tecclor 2006-09 60 60 60 90 90 246 are: in instar / savistion vi attainin with respective of stations with respective of stations with respective of stations with respective of stations with respective of the concerned Regions optimized by the transity lation do commencement balance do commencement stations of the transity lation do commencement | Revised Intole* 0008-09 001 01 01 00 001 001 000 000 | Project of Ap gene of yrate State and , adap |
| RARPAGAM INSTITUT COMMENTERE GENEL COMMENTER GENEL COMPLETER STRUCK A COMM DATA THE STRUCK A COMMENTER DATA STRUCK A COMMENTER DATA STRUCK A COMMENTER DATA STRUCK A COMMENTER DATA STRUCK A COMMENTER DATA STRUCK A COMMENTER DATA STRUCK A COMMENTER THE Additional Concerc OF ME The additional Local methods in the additional Local method in the additional Local method in the additional Local method in the additional Local method in the additional Local method in the additional Local method in the additional Local method in the additional Local method in the Bathom supportant supportant of Norme & Steanhald of AD | Counter (s) Counter (s) F2M/R1 F2M/ | Existing Tecclor 2006-09 60 60 60 90 90 246 are: in instar / savistion vi attainin with respective of stations with respective of stations with respective of stations with respective of stations with respective of the concerned Regions optimized by the transity lation do commencement balance do commencement stations of the transity lation do commencement | Revised Intole* 0008-09 001 01 01 00 001 001 000 000 | Proint of Ap press of years State schen halong count halong count halong pol |
| RARPAGAM INSTITUT COMMENTERE GENEL COMMENTER GENEL COMPLETER STRUCK A COMM DATA THE STRUCK A COMMENTER DATA STRUCK A COMMENTER DATA STRUCK A COMMENTER DATA STRUCK A COMMENTER DATA STRUCK A COMMENTER DATA STRUCK A COMMENTER DATA STRUCK A COMMENTER THE Additional Concerc OF ME The additional Local methods in the additional Local method in the additional Local method in the additional Local method in the additional Local method in the additional Local method in the additional Local method in the additional Local method in the additional Local method in the Bathom supportant supportant of Norme & Steanhald of AD | Counter (s) Counter (s) F2M/R1 F2M/ | Existing Tecclor 2006-09 60 60 60 90 90 246 are: in instar / savistion vi attainin with respective of stations with respective of stations with respective of stations with respective of stations with respective of the concerned Regions optimized by the transity lation do commencement stations of the transity lation do commencement stations of the transity lation do commencement | Revised Intake* 2008-09 01 01 01 00 00 00 00 00 00 00 00 00 00 | product of Ap years Stars source adaps adaps got didthy, 2_ |
| RARPAGAM INSTITUT COMMENTERE GENEL COMMENTER GENEL COMPLETER STRUCK A COMM DATA THE STRUCK A COMMENTER DATA STRUCK A COMMENTER DATA STRUCK A COMMENTER DATA STRUCK A COMMENTER DATA STRUCK A COMMENTER DATA STRUCK A COMMENTER DATA STRUCK A COMMENTER THE Additional Concerc OF ME The additional Local methods in the additional Local method in the additional Local method in the additional Local method in the additional Local method in the additional Local method in the additional Local method in the additional Local method in the additional Local method in the Bathom supportant supportant of Norme & Steanhald of AD | Counter (s) Counter (s) F2M/R1 F2M/ | Existing Tecclor 2006-09 60 60 60 90 90 246 are: in instar / savistion vi attainin with respective of stations with respective of stations with respective of stations with respective of stations with respective of the concerned Regions optimized by the transity lation do commencement stations of the transity lation do commencement stations of the transity lation do commencement | Revised Intole* 2008/09 001 01 01 00 00 00 00 00 00 0 | Project of Ap pyres to yrate State solog of delty, 2 Reb |

Purit Handa C. Ray Yours faithfully, Copy Inc. () KARPACAM INSTITUTE OF TRAJINAMA OA SREPALAYAM VILLARETAK, RETRAINALTINAHATIN SPECIALIJI . The Regiment Offices, MCTE Seathers Regimni Office, 2d, Haddows Road, Sharot Bhawara, Chennagi - 600 066 Director of Technical Education, Gov. of TAMIL NADU, Chemica 600 025. The Registerst, Anna University, Combastore 5 Gund File (UG/PG). 14

| | | NICALEDUCATION |
|---|--|--|
| र्रेजी (भारत सरकार का एक साहि | विक निकाए) (STATUTO | HY BODY OF THE GOVT OF INDIA |
| | · 1 | 1 1 1 |
| Ne: 06/05/TN/E&T/2007/37 | | |
| RESTORATIO | N OF INTAKE | Date: 19/06/2008 |
| Record and the second se | and an an and and a | |
| he Secretary to Government, ort. of Tamil Nadu, | | |
| igher Education Department, Secretariat | | |
| ert St. George, Chennai - 600 009. | | |
| b: Extension of Annenest to Kannest | 1989/ To 1978 | |
| Extension of Approval to Karpagan Instit Combatore, 641 021 for the year 2009-2016—R Institute of the second | ate of Tech.,Srupalaya | m Village, L&T, BP Road, |
| (i) Letter of even no dated 29/5/2009 | ep. | |
| | | |
| In continuentes de Constante dans | | |
| In continuation to Council's letter referred above nution, the revised intake for the year 2009-2010 in lage, L&T, BP Road, Coimbatore,641 021, was under | and in pursuance of the | compliance submitted by the |
| lage, L&T, BP Road, Coimbatore, 641 021, is as under | - or configure in | stitute of Teck.,Srupalayam |
| Course(s) | Existing Approved | Revised Approved Intake |
| OMPUTER SCIENCE & ENGG. | Intake 2009-2010 | 2009-2010 |
| ECTRONICS & COMM. ENCC. | 45 | 60 |
| FORMATION TECHNOLOGY | 30 | 60 |
| RONAUTICAL ENGG. | 30 | 60 |
| ECTRICAL & ELECTRONICS ENGG. | 45 | 60 |
| | 60 | 60 |
| they terms and conditions in the lotter referred above rear | 240 | Jón |
| above feature in the referred above feat | sum unchanged | |
| 11/02 | | 10 |
| | | Yours fundation |
| | | Buch |
| | | |
| | | (DevVrat Singh) |
| No. | | A the same of Protocol |
| | <i></i> | A the same of Protocol |
| The Regional Officer, AICTE Southern Regional Office, 26, Haddows Road | | A the same of Protocol |
| The Regional Officer, AICTE Southern Regional Office, 26, Haddows Road | . č. | A the same of Protocol |
| The Regional Officer, AICTE Soutiem Regional Office, 26, Haddows Road, Sharri Bhawan, Chennai 600 006 | | A the same of Protocol |
| The Regional Officer, AICTE Southern Regional Office, 26, Haddows Road, Shann Bhawan, Chennas 600 000 The Registrar, Anna Universary, Counderson | . e. | A the same of Protocol |
| The Repional Officer, AICTE Southern Regional Office, 26, Haddows Road, Shanri Blawan, Chennai-680 006 The Registrar, Anna University. Coimbatore The Principal, | . <i>i</i> . | A the same of Protocol |
| The Regional Officer, AICTE Southern Regional Office, 26, Haddows Road, Shann Bhawan, Chennas 600 000 The Registrar, Anna University. Coimbatore The Principal, Kanpagam Institute of Tech. Stopolayam Village, LAT. BP Resul | | A the same of Protocol |
| The Repional Officer, AICTE Southern Regional Office, 26, Haddows Road, Sharri Blawan, Chennai-600 006 The Registrar, Anna University. Coimbatore The Principal, Kapagam Institute of Tech, Simpalayam Village, L&T, BP Read, Combutore 644 021 | | A the same of Protocol |
| The Regional Officer, AICTE Southern Regional Office, 26, Haddows Road, Shann Bhawan, Chennas 600 000 The Registrar, Anna University. Coimbatore The Principal, Kanpagam Institute of Tech. Stopolayam Village, LAT. BP Resul | . č. | A the same of Protocol |
| The Regional Officer, AICTE Southern Regional Office, 26, Haddows Road, Shann Bhawan, Chennas 600 006 The Registrar, Anna University. Coimbatore The Principal, Kurpagam Institute of Tech. Stripalayam Village, L.A.T, DP Read, Combatore,641 021, Tax: 0422-2611043 | | A the same of Protocol |
| The Repional Officer, AICTE Southern Regional Office, 26, Haddows Road, Sharri Blawan, Chennai-600 006 The Registrar, Anna University. Coimbatore The Principal, Kapagam Institute of Tech, Simpalayam Village, L&T, BP Read, Combutore 644 021 | | A the same of Protocol |
| The Regional Officer, AICTE Southern Regional Officer, 26, Haddows Road, Shann Bhawan, Chennai 400 006 The Registrar, Anna University. Coimbatore The Principal, Kupagam Institute of Tech. Simplayam Willing, L.A.T, BP Read, Combatore,641 021, Tax 9422-2611043 Streams of Technical Procession, Gov1 of Tamil Nadu, C | Rennas-600 1125 | P. Having PRINCIPAL 14/12/2014 |
| The Regional Officer, AICTE Southern Regional Office, 26, Haddows Road, Shann Bhawan, Chennas 600 006 The Registrar, Anna University. Coimbatore The Principal, Kurpagam Institute of Tech. Stripalayam Village, L.A.T, DP Read, Combatore,641 021, Tax: 0422-2611043 | hemai-100 uzs Karpagan | P. How P PRINCIPAL 14/12/2024 |
| The Regional Officer, AICTE Southern Regional Officer, 26, Haddows Road, Shann Bhawan, Chennai 400 006 The Registrar, Anna University. Coimbatore The Principal, Kupagam Institute of Tech. Simplayam Willing, L.A.T, BP Read, Combatore,641 021, Tax 9422-2611043 Streams of Technical Procession, Gov1 of Tamil Nadu, C | hemas-600 025 KARPAQAM LAT Byper | Advacr (E.G. T) 1 - 6 200- PRINCIPAL 14)13/204 WRITICIE OF LEVINOLOGY & Road, Badipalayam-Poss |
| The Regional Officer, AICTE Southern Regional Officer, 26, Haddows Road, Shann Bhawan, Chennai 400 006 The Registrar, Anna University. Coimbatore The Principal, Kupagam Institute of Tech. Simplayam Willing, L.A.T, BP Read, Combatore,641 021, Tax 9422-2611043 Streams of Technical Procession, Gov1 of Tamil Nadu, C | hemas-600 025 KARPAQAM LAT Byper | P. How P PRINCIPAL 14/12/2024 |
| The Regional Officer, AICTE Southern Regional Officer, 26, Haddows Road, Shann Bhawan, Chennai 400 006 The Registrar, Anna University. Coimbatore The Principal, Kupagam Institute of Tech. Simplayam Willing, L.A.T, BP Read, Combatore,641 021, Tax 9422-2611043 Streams of Technical Procession, Gov1 of Tamil Nadu, C | hemas-600 025 KARPAQAM LAT Byper | Advacr (E.G. T) 1 - 6 200- PRINCIPAL 14)13/204 WRITICIE OF LEVINOLOGY & Road, Badipalayam-Poss |
| The Regional Officer, AICTE Southern Regional Officer, 26, Haddows Road, Shami Bhawan, Chennai 400 006 The Registrar, Anna University. Coimbatore The Principal, Kanjagam Institute of Tech. Simplayam Village, LAT, BP Read, Combatore,641 021, 20: 0422-2611043 Director of Technical Princeston, Gov1 of Tamil Nadu, C | Acamar-600 825 KARPAGAN L&T Byper Ca Prict Citral Karpagaan | Advacr (E.G. T) 1 - 6 200- PRINCIPAL 14)13/204 WRITICIE OF LEVINOLOGY & Road, Badipalayam-Poss |

Academic

Year 2007-

| 1 | | SRO-1-145563264 | 2 |
|---|---|---|--|
| N | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | |
| 1 | ्र आखल भारताय | तकनीकी शिक्षा | परिषद |
| a H | ALL INDIA COUNCIL | FOR TECHNICAL | EDUCITION |
| 10 | fann mean an fan sindinge leidin | A STATUTORY BODY OF THE | SOUL OF INDIA |
| w | Copes July | | |
| | (wm ² , 0) | | |
| | A.A. | File No. 06/05/TN/EET | |
| 6 | p w | 22 nd Octo | ber 2007 |
| De Pri | acipal Secretary | | |
| Educat | ton Department) (TAMIL NADU, | | |
| peretat | rist, Fort St. George. | | |
| henna | i-400 009. | | |
| | the second second second second second second second second second second second second second second second s | | |
| iab | AICTE approval to Karpagam Charitable Tru | st, 14A, LIC Colony, | SIDCO. |
| | Combatore 641 021 for establishment of new lo- | titution in Denne Eeus 1 | MT. 6 4 |
| | the name and style of Karpagam Institute of Ti | chnology, Srupalayam | Village, |
| | L&T, BP Road, Coimbatore 641 021. | | and a second second |
| | · · · | | |
| 19 - S | As per the Regulations notified by the Council | ide E. No. 17-3/Lec-Line | |
| * Se | ptember 2006 and norms, standards, procedures | and conditions present | 04 dated |
| aunci | from time to time and based on the recommen | dations of the Expect Co. | u by the |
| | and the second s | | |
| 11 E.C | Sub Committee, I am directed to convey | he approval of the Co. | minnee |
| arpa: | Sub Committee, I am directed to convey | he approval of the Cou | umeil to |
| arpa; tablis | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI hment of Karpagam Institute of Technology. | he approval of the Con DCO, Coimbatore 641 Srupalayam Village L. | uncil to |
| arpa; ablis | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI hment of Karpagam Institute of Technology. | he approval of the Con DCO, Coimbatore 641 Srupalayam Village L. | uncil to |
| arpag ablis ad, 0 | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI hment of Karpagam Institute of Technology, Combatore 641 021 for conduct of the following | he approval of the Co DCO, Coimbatore 641 Srupalayam Village, La courses and intake. | uncil to 021 for &T, BP |
| arpa; tablis tad, (| Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI hument of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course | he approval of the Cor DCO, Coimbatore 641 Srupalayam Village, La courses and intake. Intake | uncil to 021 for &T, BP |
| srpa; tablis sad, 6 5.No. 1 | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI himent of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg | he approval of the Co. DCO, Coimbatore 641 Srupalayam Village, La courses and intake. Intake 60 | uncil to 021 for &T, BP |
| srpa tablis sad, (5.No. 1 2 | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI himent of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg. Electronics & Communication Engg. | he approval of the Cor DCO, Coimbatore 641 Srupalayam Village, La courses and intake. Intake 60 60 | uncil to 021 for &T, BP |
| srpa; szblis szd, 0 5.No. 1 2 3 | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI hment of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg Electronics & Communication Engg. Information Technology | he approval of the Cor DCO, Coimbatore 641 Srupalayam Village, La courses and intake Intake 60 60 60 | uncil to 021 for &T, BP |
| srpa tablis sad, (5.No. 1 2 | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI himent of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg. Electronics & Communication Engg. | he approval of the Con DCO, Coimbatore 641 Srupalayam Village, La courses and intake. Intake 60 60 60 60 60 | uncil to 021 for &T, BP |
| arpa; tablis tad, 0 1 2 3 4 | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI hment of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg. Electronics & Communication Engg. Information Technology Aeronautical Engg. | he approval of the Cor DCO, Coimbatore 641 Srupalayam Village, La courses and intake 60 60 60 60 70tal 240 | uncil to 021 for &T, BP |
| sablis sablis sablis sno. 1 2 3 4 te - 1 filiatic | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI hment of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg Electronics & Communication Engg. Information Technology Acronautical Engg Subsection State State State State State State n with respective university and fulfilling State Govt The Society/Trust(Institution shall obtain necessa of affiliating University, as per the prescribed sche | he approval of the Co DCO, Coimbatore 641 Srupalayam Village, La courses and intake. Intake 60 60 60 Total 240 of issue of this letter for requirements of admission dule of the University' Ar | uncil to 021 for &T, BP r petting from the from the |
| arpa sablis aad, 1 5 <u>No.</u> 1 2 3 4 4 te - 1 filatie | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI, himent of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg. Electronics & Communication Engg. Information Technology Aeronautical Engg. The approval is valid for Two years from the data in with respective university and fulfilling State Govt The Society/Trust/Institution shall obtain necessa ed affiliating University as per the preseribed schu y etc. The Applicant Society/Trust/Institution | he approval of the Cor DCO, Coimbatore 641 Srupalayam Village, La courses and intake. Intake 60 60 60 60 70tal 240 of issue of this letter for requirements of admission ry affiliation/ permission f dule of the University/ Ac | r getting |
| arpa) sablis aad, 1 5No. 1 2 3 4 4 4 4 4 4 4 5No. 1 2 3 4 4 5 1 6 1 1 2 3 4 4 5 1 5 1 6 1 1 1 1 2 1 5 1 5 1 1 5 1 | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI himent of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg. Electronics & Communication Engg. Information Technology Aeronautical Engg. He approval is valid for Two years from the date n with respective university and fulfilling State Govt The Society/Trust/Institution shall obtain necessa ed affiliating University. as per the prescribed sch y etc. The Applicant Society/Trust/Institution ement of the above courses to AICTE. Incase the | he approval of the Cor DCO, Coimbatore 641 Srupalayam Village, La courses and intake. Intake 60 60 60 60 70tal 240 of issue of this letter for requirements of admission y affiliation/ permission 1 dule of the University/ Ac shall send informatice solution could not comm | r getting |
| arpa; tablis sad, 1 5No. 1 2 3 4 te - 1 filate thorit times two m | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI himent of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg. Electronics & Communication Engg. Information Technology Acronautical Engg. Acronautical Engg. He approval is valid for Two years from the date n with respective university and fulfilling State Govt The Society/Trust/Institution shall obtain necessa ed affiliating University. as per the prescribed sche y etc. The Applicant Society/Trust/Institution cement of the above courses to AICTE. Incase the entioned courses for whatsoever reasons during the | he approval of the Cor DCO, Coimbatore 641 Srupalayam Village, La courses and intake. Intake 60 60 60 70tal 248 of issue of this letter for requirements of admission y affiliation/ permission f dule of the University/ Ac shall send information institution could not comm | r getting |
| arpa; ablis ad, (<u>No.</u> <u>1</u> <u>2</u> <u>3</u> <u>4</u> te - 1 liatic front times we mission | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI himent of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg. Electronics & Communication Engg. Information Technology Aeronautical Engg. He approval is valid for Two years from the date n with respective university and fulfilling State Govt The Society/Trust/Institution shall obtain necessa ed affiliating University. as per the prescribed sch y etc. The Applicant Society/Trust/Institution ement of the above courses to AICTE. Incase the | he approval of the Cor DCO, Coimbatore 641 Srupalayam Village, La courses and intake. Intake 60 60 60 70tal 248 of issue of this letter for requirements of admission y affiliation/ permission f dule of the University/ Ac shall send information institution could not comm | r getting |
| erpay tablis rad, 1 iNo. 1 2 3 4 te - 1 liatio | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI himent of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg. Electronics & Communication Engg. Information Technology Aeronautical Engg. He approval is valid for Two years from the date n with respective university and fulfilling State Govt The Society/Trust/Institution shall obtain necessa ed affiliating University. as per the prescribed sch y etc. The Applicant Society/Trust/Institution cement of the above courses to AICTE. Incase the tentioned courses for whatsoever reasons during the this letter, the approval becomes invalid and the application to AICTE for grant of fresh approval. | he approval of the Cor DCO, Coimbatore 641 Srupalayam Village, L. courses and intake. Intake 60 60 60 70tal 240 of issue of this letter for requirements of admission y affiliation/ permission f dule of the University/ Ac shall send information stitution could not comm two years period from the cant society/trust shall have | r getting |
| sarpa; stablis laad, (<u>5.No.</u> 1 <u>2</u> <u>3</u> 4 1 <u>2</u> <u>3</u> 4 tdt - 1 filiatic thort thor | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI Imment of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg. Electronics & Communication Engg. Information Technology Aeronautical Engg. Substantiation Technology Aeronautical Engg. The approval is valid for Two years from the data in with respective university and fulfilling State Govt the Society/Trust(Institution shall obtain necessa d affiliating University. as per the prescribed sche y etc. The Applicant Society/TrustInstitution cement of the above courses to AICTE. Incase the entioned courses for whatsoever reasons during the institute this letter, the approval becomes invalid and the appli | he approval of the Cor DCO, Coimbatore 641 Srupalayam Village, L. courses and intake. Intake 60 60 60 70tal 240 of issue of this letter for requirements of admission y affiliation/ permission f dule of the University/ Ac shall send information stitution could not comm two years period from the cant society/trust shall have | r getting |
| arpa; tablis sad, t 5.No. 1 2 3 4 4 te - 1 fitatic thorit times size of sh app | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI, himent of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Computer Science & Engg. Electronics & Communication Engg. Information Technology Aeronautical Engg. The approval is valid for Two years from the data is with respective university and fulfilling State Govt The Society/Trust/Institution shall obtain necessa ed affiliating University. as per the prescribed sch y etc. The Applicant Society/Trust/Institution cement of the above courses to AICTE. Incase the tentioned courses for whatsoever reasons during the this letter, the approval becomes invalid and the appli- plication to AICTE for grant of fresh approval. | he approval of the Cor DCO, Coimbatore 641 Srupalayam Village, La courses and intake. Intake 60 60 60 60 70tal 240 rof issue of this letter for requirements of admission requirements of admission fullation/ permission f dule of the University/ A shall send information institution could not comm two years period from the cant society/trust shall have ving conditions. | r getting from the date of to make |
| arpa; stablis and, i <u>SNo.</u> 1 2 3 4 4 4 4 4 5 5 5 5 6 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI Imment of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg. Electronics & Communication Engg. Information Technology Aeronautical Engg. Substantiation Technology Aeronautical Engg. Substantiation State Government of the substantiation of the following State of the Course of the substantiation of the substantiation of the Course of the substantiation of the substantiatis of the substantiation of the substantiation of | he approval of the Cor DCO, Coimbatore 641 Srupalayam Village, La courses and intake. Intake 60 60 60 70tal 240 of issue of this letter for requirements of admission requirements of admission shall send information shall send information information could not comm two years period from the cant society/trust shall have ving conditions r development of land and | r getting from the fmission t about ence the to make |
| sarpaj sablis sad, (<u>5No.</u> <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI fument of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg. Electronics & Communication Engg. Information Technology Aeronautical Engg. The approval is valid for Two years from the data in with respective university and fulfilling State Govt the Society/Trust(Institution shall obtain necessa d affiliating University. as per the prescribed sche y etc. The Applicant Society/TrustInstitution cement of the approval becomes invalid and the application to AICTE for grant of fresh approval. The approval is further subject to fulfillment of follow this letter, the approval becomes invalid and the application to AICTE for grant of fresh approval. The approval is further subject to fulfillment of follow that the management shall provide adequate funds for the result of the result of the follow that the management shall provide adequate funds for the approval information of the follow that the management shall provide adequate funds for the for providing related infrastructional | he approval of the Con DCO, Coimbatore 641 Srupalayam Village, L. courses and intake. Intake 60 60 60 10 10 10 10 10 10 10 10 10 1 | r getting from the fmission t about ence the to make |
| sarpaj sablis sad, (<u>5No.</u> <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI fument of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg. Electronics & Communication Engg. Information Technology Acronautical Engg The approval is valid for Two years from the data in with respective university and fulfilling State Govt The Society/TrustInstitution shall obtain necessa ed affiliating University as per the prescribed sch y etc. The Applicant Society/TrustInstitution cement of the approval is further subject to fulfillment of follow The approval is further subject to fulfillment of follow The approval is further subject to fulfillment of follow The approval is further subject to fulfillment of follow That the management shall provide adequate funds fe and for providing related infrastructure, instructional Communication Charlement Science (Communication) | he approval of the Cor DCO, Coimbatore 641 Srupalayam Village, La courses and intake. Intake 60 60 60 70tal 240 of issue of this letter for requirements of admission requirements of admission fulle of the University Ac shall send information institution could not comm two years period from the cant society/trust shall have ving conditions. r development of land and ond other facilities as per Co 20 102/102/102/ | r getting from the fmission t about ence the to make |
| sarpaj sablis sad, (<u>5No.</u> <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI, himent of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Computer Science & Engg. Electronics & Communication Engg. Information Technology Aeronautical Engg. The approval is valid for Two years from the data is with respective university and fulfilling State Govt The Society/Trust/Institution shall obtain necessa et affiliating University. as per the prescribed sche y etc. The Applicant Society/Trust/Institution cement of the above courses to AICTE. Incase the tentioned courses for whatsoever reasons during the this letter, the approval becomes invalid and the appl plication to AICTE for grant of fresh approval. The approval is further subject to fulfillment of follow That the management shall provide adequate funds for and for providing related infrastructure, matructional PRINCIPAL | he approval of the Cor DCO, Coimbatore 641 Srupalayam Village, L. courses and intake. Intake 60 60 60 60 10 10 10 10 10 10 10 10 10 1 | uncil to 021 for &T, BP |
| arpa; stablis and, i <u>SNo.</u> 1 2 3 4 4 4 4 4 5 5 5 5 6 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 | Sub Committee, I am directed to convey gam Charitable Trust, 14A, LIC Colony, SI fument of Karpagam Institute of Technology, Coimbatore 641 021 for conduct of the following Name of the Course Computer Science & Engg. Electronics & Communication Engg. Information Technology Acronautical Engg The approval is valid for Two years from the data in with respective university and fulfilling State Govt The Society/TrustInstitution shall obtain necessa ed affiliating University as per the prescribed sch y etc. The Applicant Society/TrustInstitution cement of the approval is further subject to fulfillment of follow The approval is further subject to fulfillment of follow The approval is further subject to fulfillment of follow The approval is further subject to fulfillment of follow That the management shall provide adequate funds fe and for providing related infrastructure, instructional Communication Charlement Science (Communication) | he approval of the Cor DCO, Coimbatore 641 Srupalayam Village, L. courses and intake. | uncil to 021 for &T, BP r getting from the fmission i about ence the date of to make building coancil's |

SR0-1-1455632642 Norms and standards laid down by the Council from time to time and for meeting (a) That the admissions shall be made only after adequate infrastructure and all other 23 facilities are provided as per norms and guidelines of the AICTE. (b) That the admissions shall be made in accordance with the regulations notified by the (c) That the admissions to the courses shall be made only after the affiliating University /State Board has given permission to start the course (d) That the Institution shall not allow closure of the Institution or discontinuation of the course(s) or start any new course (s) or alter intake capacity of seats without the prior * approval of the Council. (c) That no excess admissions shall be made by the Institution over and above the approved intake under any circumstances. (f) That the institutions shall not have any collaborative arrangements with any Indian and/or Foreign Universities for conduct of technical courses other than those approved by AICTE without obtaining prior approval from AICTE. (g) That the Institution shall not allow conduct of any unapproved course whether technical or non technical in the premises of AICTE approved institution/campus and technical or non technical in the premises of AICTE. for in the name of the Institution without prior permission from AICTE. That the institution shall operate only from the approved location, and that the institution shall not open any off exempts study centers/ extension centers directly or in collaboration with any other institution/ university/ organization for the purpose of imparting technical description of the purpose of imparting technical description. 1 education without obtaining prior approval from the AICTE. That the tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed the Council from time to time. No capitation fee shall be charged from the students/guardians of students in any form. 4 That the accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the Council or any body or person authorized by it. That the Director/Principal and the teaching and other staff shall be selected according to h, This the Director/Principal and the tesching and other start shall be selected according to procedures, qualifications and experience prescribed by the Council from time to time and pay scales are paid as per the norms prescribed by the Council for time to time. (a) That the institution shall furnish requisite returns and reports as desired by AICTE in order to ensure proper maintenance of administrative and academic standards. PRINCIPAL (VII) OF PRINCIPAL KARPAGAMINSTITUTE OF TECHNOLOGY PRINCIPAL L&T Bypess Road, Bodipalayam-Post, Coimbatore-941 105. L&T Grapose Road, Bodipalayam Post, Coimbatore-941 105. P. Hanne

SRO-1-1455632642

- (b) That the technical institution shall publish an information booklet before commencement of the academic year giving details regarding the institution and courses/programmes being conducted and details of infrastructure facilities including faculty etc. in the form of mandatory disclosure. The information booklet may be made available to the stakeholders of the technical education on cost basis. The mandatory disclosure information shall be housed in the Institution Web-Site. The information shall be revised every year with updated information about all aspects of the institution.
- (c) That it shall be mandatory for the technical institution to maintain a web-site providing the prescribed information. The website information must be continuously updated as and when changes take place.
- (d) That a compliance report in the prescribed format along with mandatory disclosure on fulfillment of the above conditions, shall be submitted each year by the Institution within the time limit prescribed by the Council from time to time.
- (e) That if Technical Institution fails to disclose the information or suppress and/or misrepresent the information, appropriate action could be initiated including withdrawal of AICTE approval.
- That all the laboratories, workshops etc. shall be equipped as per the syllabi of the concerned affiliating University and shall be in operational condition before making admissions.
- That a library shall be established with adequate number of titles, books, journals (both Indian & Foreign) etc as per AICTE norms.
- That a computer center with adequate number of terminals, Printers, legal software etc. shall be established as per AICTE norms.
- That a Refundable Performance Guarantee Fee (RPGF) shall be deposited with AICTE, New Delhi for an amount and period prescribed by the Council from time to time.
- AICTE may carry out random inspections round the year any time for verifying the status of the Institutions to ensure maintenance of norms and standards.
- That the AICTE may also conduct inspections with or without notifying the dates to verify specific complaints of mis-representation, violation of norms and standards, mal-practices etc.
- 14. That the Institution by virtue of the approval given by Council shall not automatically become claimant to any grant-in-aid from the Central or State Government.
- 15. That the Management shall strictly follow turther conditions as may be specified by the Council from time to time.

P. Haumel

PRINCIPAL IN 12/2024 (Interstory, Maria

KARPAGAM INSTITUTE OF TECHNOLOGY PRINCIPAL LAT Bypess Road: Bodipalayam-Post KARPAGAM INST Coimbatore 641 105

KARPAGAN INSTITUTE OF TECHNOLOGY

SRO-1-1455632642 16. In the event of non-compliance by the Karpagam Institute of Technology, Srupalayam Village, L&T, BP Road, Coimbatore 641 021 with regard to guidelines, norms and conditions prescribed from time to time the Council shall be free to take measures for withdrawal of its approval or recognition, without consideration of any related issues and that all liabilities arising out of such withdrawal would solely be that of the concerned Karpagam Institute of Technology, Srupalayam Village, L&T, BP Road, Coimbatore 641 021. Yours faithfully, Hele' (Prof. Harish C. Rai) Adviser UG/PG(E&T) . Copy to: 22 The Principal/ Director Karpagam Institute of Technology, Srupalayam Village, L&T, BP Road, Coimbatore 641 021. . 14 (The Institute is required to submit compliance report as per AICTE norms on or before 31" October, 2007) 2. The Regional Officer, AICTE Southern Regional Office, 26. Habitows Road, Shastri Uhawan, Chennel - 600 005 Director of Technical Education, Governor TAME NADU, Chennal-600 tas. 4 The Registrar Anna University, Coimbatore -641013 The Registrar, Anna University, Serdar Patel Road, Guindy, Chennal 600 025. 5 6 Guard File (UG/PG). Yours faithbuily, (Prof. Harish C. Rai) Adviser UG/PG(E&T) P. youne PRINCIPAL 14/14/2027 KARPAGAMINSTITUTE OF TECHNOLOGY L&T Bypess Road, Bodipalayam-Post, Coimbatore-641 105. PRINCIPAL KARPAGAM INSTITUTE OF TECHNOLOGY

20. Best Practices Adopted

- 1. Industry collaborated Laboratories
- 2. Placement Initiatives
- 3. Encouragement to the students for participating in National level project contests like Smart India Hackathon, Toycathon, etc.,
- 4. Effective Mentor ward System
- 5. 15:1 Student Faculty Ratio
- 6. Participation in IIT spoken Tutorial by all the students
- 7. Participation in MOOC Courses by all the faculty members
- 8. Awards/Rewards for best faculty performance
- 9. Green Campus
- 10. Scholarship for meritorious students