

M.E. Semester I
Choice Based Credit Grading Scheme (CBCGS 2019)

| Course Description | | | Teaching Scheme (Academic) | | | | | Examination scheme(Academic) | | | | |
|--------------------|---------------|-------------------------------------|--|-----|-----------|---------------|-----------|---|-----|---------------------------------------|-----------------|------------|
| | | | Modes of Teaching / Learning / Weightage | | | | | Modes of Continuous Assessment / Evaluation | | | | |
| Sr. No. | Course Code | Course Title | Hours Per Week | | | | Credits | Theory (100) | | Practical/Oral /Presentation PR/OR | Term Work TW | Total |
| | | | Th | Tut | Pr | Contact Hours | | IA | ESE | | | |
| 1 | PCC-ETCME101 | Advanced Communication and Networks | 3 | - | - | 3 | 3 | 25 | 75 | - | - | 100 |
| 2 | PCC-ETCME102 | Optical Networks | 3 | - | - | 3 | 3 | 25 | 75 | - | - | 100 |
| 3 | PEC-ETCME101X | Program Elective -1 | 3 | - | - | 3 | 3 | 25 | 75 | - | - | 100 |
| 4 | PEC-ETCME102X | Program Elective -2 | 3 | - | - | 3 | 3 | 25 | 75 | - | - | 100 |
| 5 | MC-ETCME101 | Research Methodology & IPR | 2 | - | - | 2 | 2 | 15 | 35 | - | - | 50 |
| 6 | AC-ETCME00X | Audit Course I | 2 | - | - | 2 | - | - | - | - | 50 | 50 |
| 7 | LC-ETCME101 | Computational Lab I | - | - | 4 | 4 | 2 | - | - | 25 | 25 | 50 |
| 8 | LC-ETCME102 | Computational Lab II | - | - | 4 | 4 | 2 | - | - | 25 | 25 | 50 |
| | | Total | 16 | | 08 | 24 | 18 | | | Total marks | | 600 |

Program Elective I & II

| Sr No | Corse Code | Program Elective -1 | Corse Code | Program Elective -2 | Specialization* |
|-------|----------------|------------------------------------|----------------|-----------------------------------|-------------------|
| 01 | PEC- ETCME1011 | Wireless Sensor Networks | PEC- ETCME1021 | Wireless and Mobile Communication | Communication |
| | PEC- ETCME1012 | RF and Microwave Circuit Design | PEC- ETCME1022 | Cognitive Radio | |
| | PEC- ETCME1013 | Statistical Information Processing | PEC- ETCME1023 | DSP Architecture | |
| 02 | PEC- ETCME1014 | DSP Architecture | PEC- ETCME1024 | JTFA and MRA | Signal Processing |
| | PEC- ETCME1015 | Remote Sensing | PEC- ETCME1025 | Voice and Data Networks | |
| | PEC- ETCME1016 | Computer Vision | PEC- ETCME1026 | Audio Video Coding & Compression | |

***Students opting for a particular Domain Specialization Track in all the semesters will be eligible for domain specialization certificate in the Particular domain.**

%Students selecting program electives across different tracks will be offered a degree without domain specialization certificate.

| Sr No | Course Code | Audit Courses I & II |
|-------|--------------|--|
| 01 | AC- ETCME001 | English for Research Paper Writing |
| 02 | AC- ETCME002 | Disaster Management |
| 03 | AC- ETCME003 | Sanskrit for Technical Knowledge |
| 04 | AC- ETCME004 | Value Education |
| 05 | AC- ETCME005 | Constitution of India |
| 06 | AC- ETCME006 | Pedagogy Studies |
| 07 | AC- ETCME007 | Stress Management by Yoga |
| 08 | AC- ETCME008 | Personality Development through Life Enlightenment Skills. |

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|----------------------------------|-------------------------------------|
| Th : Theory | IA- In-Semester Assessment |
| Tut:Tutorial | ESE- End Semester Examination |
| Pr:Practical | PR- Practical Examination |
| PC: Program Core | TW – Term Work Examination |
| PE: Program Elective | OR- Oral Examination |
| MC: Mandatory Course | AC- Activity |
| AE: Audit Elective | @ITP :Integrated Theory/Practice |
| PCL: Program Core Laboratory | @CL/PL: Collaborative/Peer Learning |
| PEL: Program Elective Laboratory | |
| OE: Open Elective | |
| D: Dissertation | |