## Department of

## Computer Engineering

# CURRICULUM

# Second Year B.Tech. Engineering Program
# With effect from 2025-26

# Institute

## Vision

To be a reputed Technological and Management Institute imparting Quality Education and developing Core Human Values (H3).

(H3): Honest - Humble - Human Being

## Mission

We are committed for Enrichment of the Institute by disseminating the knowledge to achieve academic excellence and develop industry ready technical manpower

# Department

## Vision

To be a well-known and reputed Computer Engineering department to import technical and moral quality education

## Mission

M1- To prepare technically and professionally competent engineers by imparting quality education

M2- Grooming students for employment, higher studies, entrepreneurial ventures & research activities

M3- Strengthening relationship with industry & Society for continuous development.

M4- To inculcate leadership skills to develop core human values (h3)

## Program Outcomes (POs)

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4).
3. **Design/development of solutions:** Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (WK5).
4. **Conduct investigations of complex problems:** Conduct investigations of complex engineering problems using research- based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).
5. **Modern tool usage:** Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6).
6. **The engineer and The world:** Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).
7. **Ethics:** Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9).
8. **Individual and Collaborative Team work:** Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

9. **Communication:** Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences.
10. **Project management and finance:** Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.
11. **Life-long learning:** Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change. (WK8).

## Department of Computer Engineering

## Program Specific Outcomes (PSOs)

Upon successful completion of UG course, the students will attain following Program Specific Outcomes:

1. Apply the knowledge of computer system principles in designing software and hardware system components

2. Apply the knowledge of network models, their protocols and technologies in building secured network and Internet based applications.

3. Design and develop the application systems to meet the automation needs of society and industry.

## B.Tech. Program with one Major and one Minor ( 174 Credits)
## Semester wise Indicative Credit Distribution

| Semester | | I | II | III | IV | V | VI | VII | VIII | Total Credits |
|---|---|---|---|---|---|---|---|---|---|---|
| Basic Science Course (BSC) | BSC/ESC | 08 | 08 | -- | -- | -- | -- | -- | -- | 16 |
| Engineering Science Course (ESC) | | 06 | 09 | 03 | -- | -- | -- | -- | -- | 18 |
| Programme Core Course (PCC) | Programme Courses | 03 | -- | 12 | 14 | 10 | 11 | 08 | -- | 58 |
| Programme Elective Course (PEC) | | -- | -- | -- | -- | 03 | 03 | 03 | 08 | 17 |
| Multidisciplinary Minor (MDM) | Multi-disciplinary Courses | -- | -- | 02 | 02 | 03 | 03 | 02 | 02 | 14 |
| Open Elective (OE) | | -- | -- | -- | -- | 02 | 02 | 02 | 04 | 10 |
| Vocational and Skill Enhancement Course (VSEC) | Skill Courses | 01 | 02 | -- | 02 | 02 | -- | -- | -- | 07 |
| Ability Enhancement Course (AEC -01), Modern Indian Language (AEC-02) | Humanities Social Science and Management (HSSM) | 03 | -- | -- | 02 | -- | 01 | -- | -- | 07 |
| Entrepreneurship/Economics/ Management Courses (EEM) | | -- | -- | 02 | -- | -- | -- | -- | -- | 02 |
| Indian Knowledge System (IKS) | | -- | 02 | -- | -- | -- | -- | -- | -- | 02 |
| Value Education Course (VEC) | | -- | -- | 02 | 02 | -- | -- | -- | -- | 04 |
| Internship / OJT (Int/OJT) | | -- | -- | -- | -- | -- | -- | 01 | 02 | 03 |
| Project (Proj) | | -- | -- | -- | -- | -- | -- | 04 | 04 | 08 |
| Community Engagement Activity (CEA) / Field Project (FP) | | -- | -- | 01 | -- | 01 | 02 | -- | -- | 04 |
| Co-curricular & Extracurricular Activities (CCA) | Liberal Learning Course (LLC) | 01 | 01 | -- | -- | -- | -- | 02 | -- | 04 |
| Total Credits (Major) | | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 20 | 174 |

Shri Ambabai Talim Sanstha's

# SANJAY BHOKARE GROUP OF INSTITUTES, MIRAJ

## Teaching and Evaluation Scheme

Program: B. Tech. Computer Engineering

Class.: **Second Year, B. Tech.** Semester: **SEM - III** W.E.F.: **2025-2026**

| Sr. No. | Course Code | Course Title | Course Category | Teaching Scheme | | | | Course Credits | Evaluation scheme | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | L | T | P | Contact Hrs/wk | | Theory | | | | Practical | | Total |
| | | | | | | | | | CIE | | | ESE | CIE | ESE | |
| | | | | | | | | | CA-I | MSE | CA-II | | | | |
| **01** | 25CE301T | Applied Mathematics for Computing | ESC | 3 | - | - | **3** | 3 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **02** | 25CE302T | Data Structure | PCC | 3 | - | - | **3** | 3 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **03** | 25CE303T | Software Engineering | PCC | 2 | - | - | **2** | 2 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **04** | 25CE304T | Computer Architecture & Organization | PCC | 3 | - | - | **3** | 3 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **05** | 25CE305T | MDM-I | MDM | 2 | - | - | **2** | 2 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **06** | 25UV306T | Universal Human Values | HSSM -VEC | 2 | - | - | **2** | 2 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **07** | 25CE307T | Project Management | HSSM -EEM | 2 | - | - | **2** | 2 | 25 | -- | 25 | -- | -- | -- | **50** |
| **08** | 25CE308L | Data Structures Lab | PCC | - | - | 4 | **4** | 2 | -- | -- | -- | -- | 30 | 20 | **50** |
| **09** | 25CE309L | Python Programming | PCC | 1 | - | 2 | **3** | 2 | -- | -- | -- | -- | 60 | 40 | **100** |
| **10** | 25CE310L | Seminar-I | ELC | - | - | 2 | **2** | 1 | -- | -- | -- | -- | 30 | 20 | **50** |
| **Total** | | | | | | | **26** | **22** | **115** | **120** | **115** | **300** | **120** | **80** | **850** |

**L:**Lecture, **T:**Tutorial, **P:**Practical, **CA-I:** Continuous Assessment-I, **CA-II:** Continuous Assessment-II, **CIE**: Continuous in Semester Evaluation, **ESE**: End Semester Examination

| | BSC/ESC | | Program Courses | | Multidisciplinary Courses | | Skill Courses | Humanities Social Science and Management (HSSM) | | | | Experiential Learning Courses (ELC) | | | Liberal Learning Courses (LLC) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Course Category** | BSC | ESC | PCC | PEC | MDM | OE | VSEC | AEC-01, AEC-02 | EEM | IKS | VEC | Int/OJT | Proj. | CEA/FP | CCA |
| **Credits** | | 03 | 12 | -- | 02 | -- | -- | -- | 02 | -- | 02 | -- | -- | 01 | -- |
| **Cum. Sum** | **16** | **18** | **15** | | **02** | | **03** | **03** | **02** | **02** | **02** | | | **01** | **02** |

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# SANJAY BHOKARE GROUP OF INSTITUTES, MIRAJ

## Teaching and Evaluation Scheme

Program: B. Tech. Computer Engineering

Class.: **Second Year, B. Tech.** Semester: **SEM - IV** W.E.F.: **2025-2026**

| Sr. No. | Course Code | Course Title | Course Category | Teaching Scheme | | | | Course Credits | Evaluation scheme | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | L | T | P | Contact Hrs/wk | | Theory | | | | Practical | | Total |
| | | | | | | | | | CIE | | | ESE | CIE | ESE | |
| | | | | | | | | | CA-I | MSE | CA-II | | | | |
| **01** | 25CE401T | Discrete Mathematics and Graph Theory | PCC | 3 | -- | -- | **3** | **3** | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **02** | 25CE402T | Operating System | PCC | 3 | -- | -- | **3** | **3** | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **03** | 25CE403T | Computer Network | PCC | 2 | -- | -- | **2** | **2** | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **04** | 25CE404T | Object Oriented Programming Using JAVA | PCC | 2 | -- | -- | **2** | **2** | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **05** | 25CE405T | MDM-II | MDM | 2 | -- | -- | **2** | **2** | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **06** | **25CI406T** | Constitution of India | HSSM VEC | 2 | -- | -- | **2** | **2** | 25 | -- | 25 | -- | -- | -- | **50** |
| **07** | 25CE407L | Web Technology | VSEC | 1 | -- | 2 | **3** | **2** | -- | -- | -- | -- | 30 | 20 | **50** |
| **08** | 25CE408L | Operating System - Lab | PCC | -- | -- | 2 | **2** | **1** | -- | -- | -- | -- | 30 | 20 | **50** |
| **09** | 25CE409L | Object Oriented Programming Using JAVA Lab | PCC | -- | -- | 4 | **4** | **2** | -- | -- | -- | -- | 60 | 40 | **100** |
| **10** | 25CE410L | Computer Network - Lab | PCC | -- | -- | 2 | **2** | **1** | -- | -- | -- | -- | 30 | 20 | **50** |
| **11** | 25CE411T | Design Thinking & Innovation | AEC | 2 | -- | 0 | **2** | **2** | -- | -- | -- | -- | 50 | -- | **50** |
| **Total** | | | | **18** | **--** | **10** | **27** | **22** | **100** | **100** | **100** | **250** | **180** | **120** | **850** |
| **Exit Requirements for Certificate Program** | | | | | | | | | | | | | | | |
| **12** | 25CE412L | Computer Hardware & Networking | VSEC | -- | -- | 16 | | **08** | -- | -- | -- | -- | 60 | 40 | **100** |

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| | BSC/ESC | | Program Courses | | Multidisciplinary Courses | | Skill Courses | Humanities Social Science and Management (HSSM) | | | | Experiential Learning Courses (ELC) | | | Liberal Learning Courses (LLC) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Course Category** | BSC | ESC | PCC | PEC | MDM | OE | VSEC | AEC-01, AEC-02 | EEM | IKS | VEC | Int/OJT | Proj. | CEA/FP | CCA |
| **Credits** | -- | -- | 14 | -- | 02 | -- | 02 | 02 | -- | -- | 02 | -- | -- | -- | -- |
| **Cum. Sum** | **16** | **18** | **29** | | **04** | | **05** | **05** | **02** | **02** | **04** | | | **01** | **02** |

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# Teaching and Evaluation Scheme

## Program: B. Tech. Computer Engineering

Class.: **Third Year, B. Tech.** Semester: **SEM - V** W.E.F.: **2025-2026**

| Sr. No. | Course Code | Course Title | Course Category | Teaching Scheme | | | | Course Credits | Evaluation scheme | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | L | T | P | Contact Hrs/wk | | Theory | | | | Practical | | Total |
| | | | | | | | | | CIE | | | ESE | CIE | ESE | |
| | | | | | | | | | CA-I | MSE | CA-II | | | | |
| **01** | 25CE501T | Database Management | PCC | 3 | -- | -- | 3 | 3 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **02** | 25CE502T | Computer Algorithm | PCC | 3 | -- | -- | 3 | 3 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **03** | 25CE503T | Theory of Computation | PCC | 3 | -- | -- | 3 | 3 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **04** | 25CE504T | Program Elective -I | PEC | 3 | -- | -- | 3 | 3 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **05** | 25CE505T | MDM-III | MDM | 2 | -- | -- | 2 | 2 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **06** | 25CE506T | Open Elective –I | OE | 2 | -- | -- | 2 | 2 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **07** | 25CE507L | Database Management -Lab | PCC | -- | -- | 2 | 2 | 1 | -- | -- | -- | -- | 30 | 20 | **50** |
| **08** | 25CE508L | MDM-III Lab | MDM | -- | -- | 2 | 2 | 1 | -- | -- | -- | -- | 30 | 20 | **50** |
| **09** | 25CE509L | Mobile Application Development | VSEC | 01 | -- | 2 | 3 | 2 | -- | -- | -- | -- | 30 | 20 | **50** |
| **10** | 25CE510L | Mini Project-I | ELC | -- | -- | 4 | 4 | 2 | -- | -- | -- | -- | 60 | 40 | **100** |
| **Total** | | | | **17** | | **10** | **27** | **22** | **90** | **120** | **90** | **300** | **150** | **100** | **850** |

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| | BSC/ESC | | Program Courses | | Multidisciplinary Courses | | Skill Courses | Humanities Social Science and Management (HSSM) | | | | Experiential Learning Courses (ELC) | | | Liberal Learning Courses (LLC) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Course Category** | BSC | ESC | PCC | PEC | MDM | OE | VSEC | AEC-01, AEC-02 | EEM | IKS | VEC | Int/OJT | Proj. | CEA/FP | CCA |
| **Credits** | -- | -- | 10 | 03 | 03 | 02 | 02 | -- | -- | -- | -- | -- | 02 | -- | -- |
| **Cum. Sum** | **16** | **18** | **39** | **03** | **07** | **02** | **07** | **05** | **02** | **02** | **04** | | **02** | **01** | **02** |

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# Teaching and Evaluation Scheme

## Program: B. Tech. Computer Engineering

Class.: **Third Year, B. Tech.** Semester: **SEM - VI** W.E.F.: **2025-2026**

| Sr. No. | Course Code | Course Title | Course Category | Teaching Scheme | | | | Course Credits | Evaluation scheme | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | L | T | P | Contact Hrs/wk | | Theory | | | | Practical | | Total |
| | | | | | | | | | CIE | | | ESE | CIE | ESE | |
| | | | | | | | | | CA-I | MSE | CA-II | | | | |
| **01** | 25CE601T | Machine Learning | PCC | 3 | -- | -- | 3 | 3 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **02** | 25CE602T | Compiler Design | PCC | 3 | -- | -- | 3 | 3 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **03** | 25CE603T | Data Analytics | PCC | 3 | -- | -- | 3 | 3 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **04** | 25CE604T | Program Elective -II | PEC | 3 | -- | -- | 3 | 3 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **05** | 25CE605T | MDM-IV | MDM | 2 | -- | -- | 2 | 2 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **06** | 25CE606T | Open Elective -II | OE | 2 | -- | -- | 2 | 2 | 15 | 20 | 15 | 50 | -- | -- | **100** |
| **07** | 25CE607L | Machine Learning Lab | PCC | -- | -- | 2 | 2 | 1 | -- | -- | -- | -- | 30 | 20 | **50** |
| **08** | 25CE608L | Data Analytics Lab | PCC | -- | -- | 2 | 2 | 1 | -- | -- | -- | -- | 30 | 20 | **50** |
| **09** | 25CE609L | MDM-IV LAB | MDM | -- | -- | 2 | 2 | 1 | -- | -- | -- | -- | 30 | 20 | **50** |
| **10** | 25CE610L | Soft Skill | AEC | -- | -- | 2 | 2 | 1 | -- | -- | -- | -- | 30 | 20 | **50** |
| **11** | 25CE610L | Mini Project-II | ELC | -- | -- | 4 | 4 | 2 | -- | -- | -- | -- | 60 | 40 | **100** |
| **Total** | | | | **16** | | **12** | **28** | **22** | **90** | **120** | **90** | **300** | **180** | **120** | **900** |

**L:**Lecture, **T:**Tutorial, **P:**Practical, **CA-I:** Continuous Assessment-I, **CA-II:** Continuous Assessment-II, **CIE**: Continuous in Semester Evaluation, **ESE**: End Semester Examination

| | BSC/ESC | | Program Courses | | Multidisciplinary Courses | | Skill Courses | Humanities Social Science and Management (HSSM) | | | | Experiential Learning Courses (ELC) | | | Liberal Learning Courses (LLC) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Course Category** | BSC | ESC | PCC | PEC | MDM | OE | VSEC | AEC-01, AEC-02 | EEM | IKS | VEC | Int/OJT | Proj. | CEA/FP | CCA |
| **Credits** | -- | -- | 11 | 03 | 03 | 02 | -- | 01 | -- | -- | -- | -- | 02 | -- | -- |
| **Cum. Sum** | **16** | **18** | **50** | **06** | **10** | **04** | **07** | **06** | **02** | **02** | **04** | | **04** | **01** | **02** |

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SANJAY BHOKARE GROUP OF INSTITUTES, MIRAJ

# Teaching and Evaluation Scheme

## Program: B. Tech. Computer Engineering

Class.: **Final Year, B. Tech.** Semester: **SEM - VII** W.E.F.: **2025-2026**

| Sr. No. | Course Code | Course Title | Course Category | Teaching Scheme | | | | Course Credits | Evaluation scheme | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | L | T | P | Contact Hrs/wk | | Theory | | | | Practical | | Total |
| | | | | | | | | | CIE | | | ESE | CIE | ESE | |
| | | | | | | | | | CA-I | MSE | CA-II | | | | |
| **01** | 25CE701T | Cloud Computing | PCC | 3 | -- | -- | 3 | 3 | 15 | 20 | 15 | 50 | -- | -- | 100 |
| **02** | 25CE702T | Artificial Intelligence | PCC | 3 | -- | -- | 3 | 3 | 15 | 20 | 15 | 50 | -- | -- | 100 |
| **03** | 25CE703T | Program Elective -III | PEC | 3 | -- | -- | 3 | 3 | 15 | 20 | 15 | 50 | -- | -- | 100 |
| **04** | 25CE704T | MDM-V | MDM | 2 | -- | -- | 2 | 2 | 15 | 20 | 15 | 50 | -- | -- | 100 |
| **05** | 25CE705T | Open Elective-III | OE | 2 | -- | -- | 2 | 2 | 15 | 20 | 15 | 50 | -- | -- | 100 |
| **06** | 25CE706L | Cloud Computing Lab | PCC | -- | -- | 2 | 2 | 1 | -- | -- | -- | -- | 30 | 20 | 50 |
| **07** | 25CE707L | Artificial Intelligence Lab | PCC | -- | -- | 2 | 2 | 1 | -- | -- | -- | -- | 30 | 20 | 50 |
| **08** | 25CE708L | Community Services | LLC | -- | -- | 4 | 4 | 2 | -- | -- | -- | -- | 60 | 40 | 100 |
| **09** | 25CE709L | Internship | ELC | -- | -- | 2 | 2 | 1 | -- | -- | -- | -- | 30 | 20 | 50 |
| **10** | 25CE710L | Project-I | ELC | -- | -- | 8 | 8 | 4 | -- | -- | -- | -- | 60 | 40 | 100 |
| **Total** | | | | **13** | | **18** | **31** | **22** | **75** | **100** | **75** | **250** | **210** | **140** | **850** |

**L:**Lecture, **T:**Tutorial, **P:**Practical, **CA-I:** Continuous Assessment-I, **CA-II:** Continuous Assessment-II, **CIE**: Continuous in Semester Evaluation, **ESE**: End Semester Examination

| | BSC/ESC | | Program Courses | | Multidisciplinary Courses | | Skill Courses | Humanities Social Science and Management (HSSM) | | | | Experiential Learning Courses (ELC) | | | Liberal Learning Courses (LLC) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Course Category** | BSC | ESC | PCC | PEC | MDM | OE | VSEC | AEC-01, AEC-02 | EEM | IKS | VEC | Int/OJT | Proj. | CEA/FP | CCA |
| **Credits** | -- | -- | 08 | 03 | 02 | 02 | -- | -- | -- | -- | -- | 01 | 04 | -- | 02 |
| **Cum. Sum** | **16** | **18** | **58** | **09** | **12** | **06** | **07** | **06** | **02** | **02** | **04** | **01** | **08** | **01** | **04** |

# Teaching and Evaluation Scheme

## Program: B. Tech. Computer Engineering

Class.: **Final Year, B. Tech.** Semester: **SEM - VIII** W.E.F.: **2025-2026**

| Sr. No. | Course Code | Course Title | Course Category | Teaching Scheme | | | | Course Credits | Evaluation scheme | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | L | T | P | Contact Hrs/wk | | Theory | | | | Practical | | Total |
| | | | | | | | | | CIE | | | ESE | CIE | ESE | |
| | | | | | | | | | CA-I | MSE | CA-II | | | | |
| 01 | 25FCE801T | Program Elective -IV | PEC | 3 | 1 | - | 4 | 4 | 15 | 20 | 15 | 50 | -- | -- | 100 |
| 02 | 25FCE802T | Program Elective -V | PEC | 3 | 1 | - | 4 | 4 | 15 | 20 | 15 | 50 | -- | -- | 100 |
| 03 | 25FCE803T | Open Elective-IV | OE | 3 | 1 | - | 4 | 4 | 15 | 20 | 15 | 50 | -- | -- | 100 |
| 04 | 25FCE804T | MDM-VI | MDM | 2 | - | -- | 2 | 2 | 15 | 20 | 15 | 50 | -- | -- | 100 |
| 05 | 25FCE805I | Internship | ELC | - | - | 04 | 4 | 2 | -- | -- | -- | -- | 60 | 40 | 100 |
| 06 | 25FCE806P | Project-II | ELC | | - | 08 | 8 | 4 | -- | -- | -- | -- | 60 | 40 | 100 |
| **Total** | | | | **11** | **3** | **12** | **26** | **20** | **60** | **80** | **60** | **200** | **120** | **80** | **600** |

**L:**Lecture, **T:**Tutorial, **P:**Practical, **CA-I:** Continuous Assessment-I, **CA-II:** Continuous Assessment-II, **CIE**: Continuous in Semester Evaluation, **ESE**: End Semester Examination

| | BSC/ESC | | Program Courses | | Multidisciplinary Courses | | Skill Courses | Humanities Social Science and Management (HSSM) | | | | Experiential Learning Courses (ELC) | | | Liberal Learning Courses (LLC) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Course Category | BSC | ESC | PCC | PEC | MDM | OE | VSEC | AEC-01, AEC-02 | EEM | IKS | VEC | Int/OJT | Proj. | CEA/FP | CCA |
| Credits | -- | -- | -- | 8 | 2 | 4 | -- | -- | -- | -- | -- | 02 | 04 | -- | -- |
| Cum. Sum | 16 | 18 | 58 | 17 | 14 | 10 | 07 | 06 | 02 | 02 | 04 | 03 | 12 | 01 | 04 |