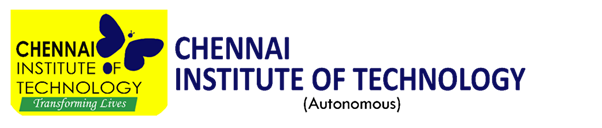
**Curriculum for UG Degree Course in**

**{DEGREE} {BRANCH}**

**Regulation {REGULATION}**

****

**Document Version**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version Number** | **Date** | **Author** | **Major Updates** | **Approved by** |
| {#UPDATES\_TABLE}{VERSION\_NO} | {DATE} | {AUTHOR\_NAME} | {UPDATES}{/UPDATES\_TABLE} |  |

**Section 1: General Course Structure**

**A. Definition of Credit:**

|  |  |
| --- | --- |
| 1 Hour Lecture (L) per week | 1 Credit |
| 1 Hour Tutorial (T) per week | 1 Credit |
| 1 Hour Practical (P) per week | 0.5 Credit |

**B. Structure of Program**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Category** | **Credits** |
| 1 | Humanities & Social Science Courses (HSMC) | {HSMC} |
| 2 | Basic Science Courses (BSC) | {BSC} |
| 3 | Engineering Science Courses (ESC) | {ESC} |
| 4 | Program Core Courses (PCC) | {PCC} |
| 5 | Professional Elective Courses (PEC) | {PEC} |
| 6 | Open Elective Courses (OEC) | {OEC} |
| 7 | Employability Enhancement Skills (EEC) | {EEC} |
| 8 | Mandatory Course (MC) | {MC} |
|  | **TOTAL** | **{TOTAL}** |

**C. Course code and definition**

|  |  |
| --- | --- |
| **Code** | **Definition** |
| L | Lecture |
| T | Tutorial |
| P | Practical |
| C | Credits |
| <CS> | Professional core courses |
| <CS> PE | Professional Elective courses |
| <CS> OE | Open Elective Courses |
| <CS> MC | Mandatory Courses |

* **Course level coding scheme** All course codes should consist of 6 characters. The first 2 characters represent the department abbreviation (e.g., CB), except for Mandatory Courses, which use 'MC.' For Core Courses, the last 4 characters should be digits. The digit in the thousands place indicates the Regulation number (e.g., R22: 2, R22R: 3, R24: 4). The digit in the hundreds place denotes the semester in which the course is offered (ranging from 1 to 8), and the last digit represents the course's serial order within the semester.
* For Professional Elective courses, the last 4 characters should follow the format **<Regulation number>V<Vertical number><Serial number within Vertical>**. For Open Elective courses, the last 4 characters should be formatted as **<Regulation number><Semester number>O<Serial number within Open Electives offered for a semester>**.

**D. Category-wise Courses**

**Humanities & Social Science Courses (HSMC)**

| **S. No.** | **Course Title** | **Semester** | **L** | **T** | **P** | **C** |
| --- | --- | --- | --- | --- | --- | --- |
| {#hsmcCourses}{SNO} | {COURSE\_TITLE} | {SEM} | {L} | {T} | {P} | {C}{/hsmcCourses} |
| **Total Credits** | | | **{HSMC\_TOT}** | | | |

**Basic Science Courses (BSC)**

| **S. No.** | **Course Title** | **Semester** | **L** | **T** | **P** | **C** |
| --- | --- | --- | --- | --- | --- | --- |
| {#bscCourses}{SNO} | {COURSE\_TITLE} | {SEM} | {L} | {T} | {P} | {C}{/bscCourses} |
| **Total Credits** | | | **{BSC\_TOT}** | | | |

**Engineering Science Courses (ESC)**

| **S. No.** | **Course Title** | **Semester** | **L** | **T** | **P** | **C** |
| --- | --- | --- | --- | --- | --- | --- |
| {#escCourses}{SNO} | {COURSE\_TITLE} | {SEM} | {L} | {T} | {P} | {C}{/escCourses} |
| **Total Credits** | | | **{ESC\_TOT}** | | | |

**Program Core Courses (PCC)**

| **S. No.** | **Course Title** | **Semester** | **L** | **T** | **P** | **C** |
| --- | --- | --- | --- | --- | --- | --- |
| {#pccCourses}{SNO} | {COURSE\_TITLE} | {SEM} | {L} | {T} | {P} | {C}{/pccCourses} |
| **Total Credits** | | | **{PCC\_TOT}** | | | |

**Professional Elective courses (PEC)**

| **S. No.** | **Course Title** | **Semester** | **L** | **T** | **P** | **C** |
| --- | --- | --- | --- | --- | --- | --- |
| {#pecCourses}{SNO} | {COURSE\_TITLE} | {SEM} | {L} | {T} | {P} | {C}{/pecCourses} |
| **Total Credits** | | | **{PEC\_TOT}** | | | |

**Employability Enhancement courses (EEC)**

| **S. No.** | **Course Title** | **Semester** | **L** | **T** | **P** | **C** |
| --- | --- | --- | --- | --- | --- | --- |
| {#eecCourses}{SNO} | {COURSE\_TITLE} | {SEM} | {L} | {T} | {P} | {C}{/eecCourses} |
| **Total Credits** | | | **{EEC\_TOT}** | | | |

**Open Elective Courses (OEC)**

| **S. No.** | **Course Title** | **Semester** | **L** | **T** | **P** | **C** |
| --- | --- | --- | --- | --- | --- | --- |
| {#oecCourses}{SNO} | {COURSE\_TITLE} | {SEM} | {L} | {T} | {P} | {C}{/oecCourses} |
| **Total Credits** | | | **{OEC\_TOT}** | | | |

**Mandatory Course (MC)**

| **S. No.** | **Course Title** | **Semester** | **L** | **T** | **P** | **C** |
| --- | --- | --- | --- | --- | --- | --- |
| {#mcCourses}{SNO} | {COURSE\_TITLE} | {SEM} | {L} | {T} | {P} | {C}{/mcCourses} |
| **Total Credits** | | | **{MC\_TOT}** | | | |

**E. Induction Program**

* **Catapult** is a dynamic week-long event designed for our incoming first-year students, offering an immersive introduction to the diverse array of clubs and activities across the college campus. In addition to familiarizing them with our labs and Centers of Excellence (COEs), Catapult aims to acclimate first-year students to college life, ensuring they feel at ease with the forthcoming experiences of their four-year journey.
* This initiative fosters meaningful connections between seniors and juniors, providing a platform for them to explore departmental projects and engage in collaborative activities, thereby enhancing camaraderie and knowledge sharing within the college community.

**F. Evaluation Scheme**

1. For **Theory Courses**: The weightage of Internal assessment is 40% and for End Semester Exam is 60% The student has to obtain at least 50% marks individually both in internal assessment and end semester exams to pass.
2. For **Practical Courses**: The weightage of Internal assessment is 60% and for End Semester Exam is 40% For Theory cum Lab The student has to obtain at least 50% marks individually both in internal assessment and end semester exams to pass.
3. For **Theory Cum Practical Courses**: The weightage of Internal assessment is 50% and for End Semester Exam is 50% The student has to obtain at least 50% marks individually both in internal assessment and end semester exams to pass Note: The internal assessment is based on the student’s performance in 3 Internal Assessment (IA) exams, quizzes, assignments, class performance, attendance, etc.
4. For **Project works:** Assessment of project works comprises three internal reviews and an end-of-semester evaluation. Internal reviews, worth 40 marks in total, encompass assessment criteria such as Project Synopsis/Proposal Evaluation, Methodology and Design of Existing System, Feasibility of Project Proposal, Planning of Project Work, and Team Work. At the conclusion of the semester, 20 marks are designated for assessing the quality of the report, while the remaining 40 marks are reserved for evaluating performance in viva-voce, demonstration of the work, and other relevant factors.

**G. Learning beyond Class Room**

1. Students should be encouraged to visit Centers of Excellence (COEs) on campus and learn additional technical skills.
2. Students should be encouraged to participate in internal/external competitions, hackathons, etc. regularly.

**Section 2: Semester-wise Structure and Curriculum for UG Course in {DEGREE} {BRANCH}**

| **Semester I** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Theory/ Practical / T&P** | **Course Code** | **Course Title** | **L** | **T** | **P** | **C** |
| {#semester1Courses}{SNO} | {TYPE} | {COURSE\_CODE} | {COURSE\_TITLE} | {L} | {T} | {P} | {C}{/semester1Courses} |
| **Total** | | | | | | | **{TOTAL\_CREDITS1}** |

| **Semester II** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Theory/ Practical / T&P** | **Course Code** | **Course Title** | **L** | **T** | **P** | **C** |
| {#semester2Courses}{SNO} | {TYPE} | {COURSE\_CODE} | {COURSE\_TITLE} | {L} | {T} | {P} | {C}{/semester2Courses} |
| **Total** | | | | | | | **{TOTAL\_CREDITS2}** |

| **Semester III** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Theory/ Practical / T&P** | **Course Code** | **Course Title** | **L** | **T** | **P** | **C** |
| {#semester3Courses}{SNO} | {TYPE} | {COURSE\_CODE} | {COURSE\_TITLE} | {L} | {T} | {P} | {C}{/semester3Courses} |
| **Total** | | | | | | | **{TOTAL\_CREDITS3}** |

| **Semester IV** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Theory/ Practical / T&P** | **Course Code** | **Course Title** | **L** | **T** | **P** | **C** |
| {#semester4Courses}{SNO} | {TYPE} | {COURSE\_CODE} | {COURSE\_TITLE} | {L} | {T} | {P} | {C}{/semester4Courses} |
| **Total** | | | | | | | **{TOTAL\_CREDITS4}** |

| **Semester V** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Theory/ Practical / T&P** | **Course Code** | **Course Title** | **L** | **T** | **P** | **C** |
| {#semester5Courses}{SNO} | {TYPE} | {COURSE\_CODE} | {COURSE\_TITLE} | {L} | {T} | {P} | {C}{/semester5Courses} |
| **Total** | | | | | | | **{TOTAL\_CREDITS5}** |

| **Semester VI** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Theory/ Practical / T&P** | **Course Code** | **Course Title** | **L** | **T** | **P** | **C** |
| {#semester6Courses}{SNO} | {TYPE} | {COURSE\_CODE} | {COURSE\_TITLE} | {L} | {T} | {P} | {C}{/semester6Courses} |
| **Total** | | | | | | | **{TOTAL\_CREDITS6}** |

| **Semester VII** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Theory/ Practical / T&P** | **Course Code** | **Course Title** | **L** | **T** | **P** | **C** |
| {#semester7Courses}{SNO} | {TYPE} | {COURSE\_CODE} | {COURSE\_TITLE} | {L} | {T} | {P} | {C}{/semester7Courses} |
| **Total** | | | | | | | **{TOTAL\_CREDITS7}** |

| **Semester VIII** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Theory/ Practical / T&P** | **Course Code** | **Course Title** | **L** | **T** | **P** | **C** |
| {#semester8Courses}{SNO} | {TYPE} | {COURSE\_CODE} | {COURSE\_TITLE} | {L} | {T} | {P} | {C}{/semester8Courses} |
| **Total** | | | | | | | **{TOTAL\_CREDITS8}** |