

FACULTY OF ENGINEERING & TECHNOLOGY
INSTITUTE OF COMPUTER TECHNOLOGY
BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE) (B.TECH-CSE(AI & ML))
Syllabus Details

Effective Year 2025-2026

| | | | |
|------------------------------|-----------------------|-----------------------------|-----|
| Program | : B.TECH-CSE(AI & ML) | Semester | : 1 |
| Total Course | : 7 | Total Regular Course | : 5 |
| Total Elective Course | : 1 | Total Open Course | : 0 |
| Total Audit Course | : 1 | | |

| # | CourseCode | Course Title | Teaching Scheme | | | | Examination Scheme | | | | |
|---|------------|---|-----------------|-------------|--------------|--------------|--------------------|----------|----------|----------|------------|
| | | | CREDIT | | | TOTAL HOURS | TH | | PR | | TOTAL |
| | | | TH | PR/TW | TOTAL | | Internal | External | Internal | External | |
| 1 | 2HS101 | CALCULUS | 4.00 | 0.00 | 4.00 | 4.00 | 0/40 | 0/60 | - | - | 100 |
| 2 | 2CSE101 | INTERNET PROGRAMMING | 3.00 | 2.00 | 5.00 | 7.00 | 0/40 | 0/60 | 0/60 | 0/40 | 200 |
| 3 | 2CSE102 | ESSENTIALS OF SOFTWARE FOUNDATION & PROGRAMMING - I | 3.00 | 2.00 | 5.00 | 7.00 | 0/40 | 0/60 | 0/60 | 0/40 | 200 |
| 4 | 2CSE103 | DIGITAL ELECTRONICS | 3.00 | 1.00 | 4.00 | 5.00 | 0/40 | 0/60 | 0/30 | 0/20 | 150 |
| 5 | 2CSE105 | BASIC ELECTRONICS WORKSHOP | 0.00 | 2.00 | 2.00 | 4.00 | - | - | 0/60 | 0/40 | 100 |
| 6 | | AUDIT SUBJECT - 1 | 0.00 | 0.00 | 0.00 | 2.00 | - | - | - | - | 0 |
| 7 | | ELECTIVE SUBJECT - 1 (UHV_Elective-I) | 2.00 | 0.00 | 2.00 | 2.00 | 0/100 | - | - | - | 100 |
| | | | 15.00 | 7.00 | 22.00 | 31.00 | | | | | 850 |

List of Elective Subjects

| Group Name | Course Code | Name of Course |
|----------------|-------------|---|
| UHV_ELECTIVE-I | UHV1IPDC1 | UNIVERSAL HUMAN VALUE (INTEGRATED PERSONALITY DEVELOPMENT COURSE-1) |
| | UHV3DYSBG1 | UNIVERSAL HUMAN VALUE (DISCOVER YOURSELF THROUGH BHAGAVAD GITA-1) |

List of Audit Subjects

| Group Name | Course Code | Name of Course |
|------------|-------------|--------------------------------|
| AUDIT | 2OS101 | CAREER DEVELOPMENT PROGRAM - I |

Examination Grade Range & Value

| Marks/Perc. Range | Grade (Regular) | Grade Point (Regular) | Grade (Remedial) | Grade Point (Remedial) |
|-------------------|-----------------|-----------------------|------------------|------------------------|
| 90>= | A+ | 10 | A | 9 |
| 80 To 89 | A | 9 | B+ | 8 |
| 70 To 79 | B+ | 8 | B | 7 |
| 60 To 69 | B | 7 | C+ | 6 |
| 50 To 59 | C+ | 6 | C | 5 |
| 40 To 49 | C | 5 | C | 5 |
| <40 | F | 0 | F | 0 |