



**TECHNO INDIA UNIVERSITY**

**W E S T B E N G A L**

**COURSE CURRICULUM FOR 4-YEARS B.TECH  
COMPUTER SCIENCE AND ENGINEERING  
SPECIALIZATION IN ARTIFICIAL INTELLIGENCE**



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
- ARTIFICIAL INTELLIGENCE**

**Techno India University, West Bengal**

**EM-4, EM Block, Sector V, Bidhannagar,**

**Kolkata -700091, West Bengal**

**Fifth Semester**

| Sl. No.      | Course Title                                             | Course Code             | Credit | Contact Hours/Week |   |   |
|--------------|----------------------------------------------------------|-------------------------|--------|--------------------|---|---|
|              |                                                          |                         |        | L                  | T | P |
| 1            | Software Engineering                                     | TIU-PC-UCS-T31101       | 3      | 3                  | 0 | 0 |
| 2            | Computer Networks                                        | TIU-PC-UCS-T31102       | 3      | 3                  | 0 | 0 |
| 3            | Introduction to Artificial Intelligence                  | TIU-PC-UCS-T31106       | 3      | 3                  | 0 | 0 |
| 4            | Introduction to Machine Learning                         | TIU-PC-UCS-T31105       | 3      | 3                  | 0 | 0 |
| 5            | Theory of Computation & Compilation                      | TIU-PC-UCS-T31107       | 3      | 3                  | 0 | 0 |
| 6            | Computer Networks Lab                                    | TIU-PC-UCS-I31102       | 1.5    | 0                  | 0 | 3 |
| 7            | Software Engineering Lab                                 | TIU-PC-UCS-L31101       | 1.5    | 0                  | 0 | 3 |
| 8            | Artificial Intelligence Lab                              | TIU-PC-UCS-L31106       | 1.5    | 0                  | 0 | 3 |
| 9            | Machine Learning Lab                                     | TIU-PC-UCS-L31105       | 1.5    | 0                  | 0 | 3 |
| 10           | Entrepreneurship Skill Development/Internship            | TIU-UES-S31191          | 1      | 0                  | 0 | 2 |
| 11           | CASD–Elective-I (Cloud Computing/<br>Prompt Engineering) | TIU-CASD-UCS-S305A/305C | 2      | 2                  | 0 | 0 |
| Total Credit |                                                          |                         | 24     |                    |   |   |