**TECHNO INDIA UNIVERSITY**

W E S T B E N G A L

**EM 4, Sector V, Salt Lake, Kolkata-700091, West Bengal, India**
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## 4-Year Bachelor of Technology (B.Tech.) Curriculum and Syllabus for Biotechnology with AI

### Seven Semester

| Course Code | Course Title | Contact Hrs. / Week | | | Credit |
|---|---|---|---|---|---|
| | | L | T | P | |
| **Theory** | | | | | |
| TIU-UBT-T401 | CAREER ADVANCEMENT & SKILL DEVELOPMENT: AI Project Works ( Medical Image Analysis /Visualization of predicted protein-protein interaction networks /experimental datasets or known biological pathways) | 1 | 0 | 2 | 3 |
| TIU-UBT-E401 | ELECTIVE 1: CELL SIGNALLING AND EUKARYOTIC GENE EXPRESSION | 3 | 0 | 0 | 3 |
| TIU-UBT-E403 | ELECTIVE 2: CLINICAL AND PHARMACEUTICAL BIOTECHNOLOGY | 3 | 0 | 0 | 3 |
| TIU-UBT-E405 | ELECTIVE 3: AGRICULTURAL BIOTECHNOLOGY | 3 | 0 | 0 | 3 |
| TIU-UBT-E407 | ELECTIVE 4: MOLECULARIMMUNOLOGY | 3 | 0 | 0 | 3 |
| TIU-UBT-E409 | ELECTIVE 5: RECOMBINANT DNA TECHNOLOGY AND PROTEIN ENGINEERING | 3 | 0 | 0 | 3 |
| TIU-UBT-T415 | IPR AND TECHNOLOGY MANAGEMENT | 3 | 0 | 0 | 3 |
| TIU-UBT-T417 | METHODS IN BIOLOGY | 3 | 0 | 0 | 3 |
| **Practical** | | | | | |
| TIU-UBT-P499 | PROJECT WORK/INDUSTRIAL TRAINING | 0 | 0 | 10 | 10 |
| **Sessional** | | | | | |
| TIU-UES-S497 | TRAINING (JUNE-JULY) | 0 | 0 | 2 | 2 |
| TIU-UES-S499 | ENTREPRENEURSHIP SKILL DEVELOPMENT | 0 | 0 | 2 | 2 |
| **Total Credits** | | | | | 26 |