



**4-Year Bachelor of Technology (B.Tech.) Curriculum and
Syllabus for Biotechnology with AI
Third Semester**

| Course Code | Course Title | Contact Hrs. / Week | | | Credit |
|----------------------|--|---------------------|---|---|-----------|
| | | L | T | P | |
| Theory | | | | | |
| TIU-UEN-T201 | CAREER ADVANCEMENT & SKILL DEVELOPMENT: AI Techniques in Microbial Genomics and Metagenomics | 1 | 0 | 2 | 3 |
| TIU-UBT-T203 | MICROBIOLOGY | 3 | 0 | 0 | 3 |
| TIU-UBT-T205 | BIOCHEMISTRY | 3 | 0 | 0 | 3 |
| TIU-UBT-T207 | ENVIRONMENTAL BIOTECHNOLOGY | 3 | 0 | 0 | 3 |
| TIU-UBT-T209 | MOLECULAR BIOLOGY | 3 | 0 | 0 | 3 |
| TIU-UBT-T212 | CELL BIOLOGY | 3 | 0 | 0 | 3 |
| Practical | | | | | |
| TIU-UBT-L203 | MICROBIOLOGY LABORATORY | 0 | 0 | 2 | 2 |
| TIU-UBT-L205 | BIOCHEMISTRY LABORATORY | 0 | 0 | 2 | 2 |
| TIU-UBT-L207 | LABORATORY SAFETY AND MANAGEMENT | 0 | 0 | 1 | 1 |
| Sessional | | | | | |
| TIU-UBT-S299 | INDUSTRIAL VISIT | 0 | 0 | 1 | 1 |
| TIU-UES-S299 | ENTREPRENEURSHIP SKILL DEVELOPMENT | 0 | 0 | 2 | 2 |
| Total Credits | | | | | 26 |