



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

Fifth Semester

Course Code	Course Title	Contact Hrs. / Week			Credit
		L	T	P	
Theory					
TIU-UBT-T301	CAREER ADVANCEMENT & SKILL DEVELOPMENT: AI Applications in Bioprocess Optimization and Control	1	0	2	3
TIU-UBT-T303	ENZYMOLGY	3	0	0	3
TIU-UBT-T305	INDUSTRIAL BIOTECHNOLOGY	3	0	0	3
TIU-UBT-T307	BIOSEPARATION AND DOWNSTREAM PROCESSING TECHNOLOGY	3	0	0	3
TIU-UBT-T309	GENETICS AND BIOSTATISTICS	3	0	0	3
TIU-UBT-T311	ANIMAL BIOTECHNOLOGY	3	0	0	3
Practical					
TIU-UBT-L303	ENZYMES LABORATORY	0	0	2	2
TIU-UBT-L307	BIOSEPARATION TECHNOLOGY LABORATORY	0	0	2	2
TIU-UBT- L313	BIOINFORMATICS LABORATORY	0	0	1	1
Sessional					
TIU-UBT-S399	INDUSTRIAL VISIT	0	0	1	1
TIU-UES-S399	ENTREPRENEURSHIP SKILL DEVELOPMENT	0	0	2	2
Total Credits					26