



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

Fifth Semester

Course Code	Course Title	Contact Hrs. / Week			Credit
		L	T	P	
Theory					
TIU-UTR-T301	Career Advancement & Skill Development: Machine Design with AI	2	1	0	3
TIU-UEE-T303	Digital Electronic Circuits	3	0	0	3
TIU-UEE-T305	Electrical Power Systems I	3	1	0	4
TIU-UEE-T307	Control Systems Engineering	3	1	0	4
TIU-UEE-T309	Electrical Machines II	3	1	0	4
TIU-UCS-T311	Computer Organization & Architecture	3	0	0	3
Practical					
TIU-UEE-L303	Digital Electronic Circuits Lab	0	0	3	2
TIU-UEE-L305	Electrical Power Systems Lab I	0	0	3	2
TIU-UEE-L307	Control System Engineering Lab	0	0	3	2
TIU-UEE-L309	Electrical Machines Lab II	0	0	3	2
Sessional					
TIU-UES-S399	Entrepreneurship Skill Development	0	0	2	2
Total Credits					31