

# Syllabus for 4 Year B.Tech Course in Electronics and Communication Engineering with AI

## SIXTH SEMESTER

Sl. No.	Code	Subject	Contacts			Credits
			L	T	P	
A. Theory						
1	TIU- UEN- T30#	Career Advancement & Skill Development- Introduction to Artificial Intelligence in Robotics & VLSI	2	0	0	2
2	TIU- UEC- T302	Digital Communication	3	0	0	3
3	TIU- UEC- T304	Digital Signal Processing	3	0	0	3
4	TIU- UEC- T306	Computer Networking	3	0	0	3
5	TIU- UEC- T30#	CMOS Design	3	0	0	3
6	TIU- UEC- E30#	Elective- I	3	0	0	3
B. Practicals						
1	TIU- UEC- L30#	Digital Communication Lab	0	0	3	1.5
2	TIU- UEC- L30#	DSPLab	0	0	3	1.5

3	TIU- UEC- L30#	Computer Networking Lab	0	0	3	1.5
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C. Sessionals						
1	TIU-UES-S398	Entrepreneurship Skill Development	0	0	2	2
Total						23.5

**Elective-I**

TIU-UEC-E30#: Mobile Communications

TIU-UEC-E30#: Information Theory and Coding

TIU-UEC-E30#: Optoelectronics and Optical Fibre Communications