

COURSE STRUCTURE AND SYLLABUS FOR B. TECH DEGREE IN ELECTRONICS ENGINEERING (2023 Batch)



RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY JAIS, AMETHI
(RGPT JAIS, AMETHI)

Credit Distribution for B. Tech Electronics Engineering 2023 Batch

Category	Range	Proposed
Humanities and Social Science (HU)	22	22
Science (IS)	70-90	88
Institute Engineering (IE)	40-70	57
Engineering Drawing, Workshop (EP)	18-24	15
Language & Management (LM)	18-24	20
Departmental Core (DC)	145-190	149
Departmental Elective (DE)	30-75	36
Open Elective (OE)	15-20	18
Project/Industrial Visit (DP)	20-50	45
Total Credits	440-490	450

Course Structure:
(B. Tech Electronics Engineering)
2023 Batch

Fourth Year Odd Semester

Course Code	Course/Subject	L	T	P	Cr
	Department Elective – 4 (DE)	3	0	0	9
HU331	Organizational Psychology (HU)	2	0	0	6
MT5100	Principle of Economics (M)	2	0	0	6
	Open Elective – 1 (OE)	3	0	0	9
	Employability Skills and Industry Readiness (EP)	0	0	2	2
	Total Credits				32

Departmental Elective (DE - 4)		
ECE436	Introduction to Nano Electronics	Microelectronics/ Communication
ECE437	Advanced High Speed Devices & Circuits	
ECE438	Micro-Electromechanical Systems (MEMS)	
ECE411	Data Communication Networks	
ECE401	Microwave Engineering	
ECE413	Wireless Communication	
ECE415	Optical Communication	
ECE416	Optical Networks	
ECE417	Information Theory	
ECE435	Flexible Electronics and Green Energy	
ECE418	Satellite Communication	

Fourth Year Even Semester

Course Code	Course/Subject	L	T	P	Cr
EEV420	B.Tech. Project (Internal/External) (DP)	0	0	40	40
	Open Elective- 2 (OE)	3	0	0	9
MT5405	Foundations of Management (M)	2	0	0	6
HU313	Sociology of Industry & Work Culture (HU)	2	0	0	6
	Total Credits				61