

Dr. Babasaheb Ambedkar Technological University

Department of Electronics & Telecommunication Engineering

B.Tech (Electronics & Telecommunication Engineering)

Semester VII

Sr. No.	Course Code	Course	Teaching Scheme			
			L	T	P	C
1.	EC 38	Antenna and Wave Propagation	3	1	0	4
2.	EC 39	Optical Fiber Communication	3	1	0	4
3	EC 40	RF & Microwave Communication	3	1	0	4
4.	EC 41 (Ele-VIII)	Computer Network	3	1	0	4
		Cloud Computing				
		Electronics Product Design				
		Internet of Things				
5	EC 42 (Ele-IX)	Data Compression and Encryption/Cryptography	3	0	0	3
		VLSI Design				
		PLC and Automation				
		Speech Processing				
		NSF COURSE III				
6	ECL 43	Antenna and Wave Propagation Laboratory	0	0	2	1
7	ECL 44	Computer Network Laboratory	0	0	2	1
8	ECL 45	Optical Fiber Communication Lab	0	0	2	1
9	ECL 46	VLSI and Embedded Lab	0	0	2	1
10	EC 47	Industrial Training Seminar Laboratory	0	0	4	2
11	ECP1 48	Project	0	0	8	4
Total			15	4	20	29

List of Electives

- EC 41 (Ele-VIII)
- A. Computer Network
 - B. Cloud Computing
 - C. Electronics Product Design
 - D. Internet of Things
- EC 42 (Ele-IX)
- A. Data Compression and Encryption/Cryptography
 - B. VLSI Design
 - C. PLC and Automation

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Semester VIII

Sr. No.	Course Code	Course	Teaching Scheme			
			L	T	P	C
1	EC 49 (Ele-X)	Wireless Sensor Networks	3	0	0	3
		Radar & Satellite Communication				
		Neural Network and Fuzzy logic				
		Advance Cellular Network				
2.	EC 50 (Ele-XI)	Analog and Mixed Signal Processing	3	0	0	3
		Advance 3G/4G				
		Telecom Regulation				
		Estimation and Detection Theory				
		Soft Computing				
3.	EC 51 (Ele-XII)	Multirate Digital Signal Processing	3	0	0	3
		RF Circuit Design				
		Biomedical Signal Processing				
		Robotics and automation				
		Software Defined Radio				
4	ECP2 52	Project	0	6	4	8
Total			9	6	4	17

List of Electives

- EC 49 (Ele-X)
- A. Wireless Sensor Networks
 - B. Radar & Satellite Communication
 - C. Neural Network and Fuzzy logic
 - D. Advance Cellular Network
- EC 50 (Ele-XI)
- A. Analog and Mixed Signal Processing
 - B. Advance 3G/4G
 - C. Telecom Regulation
 - D. Estimation and Detection Theory
 - E. Soft Computing
- EC 51 (Ele-XII)
- A. Multirate Digital Signal Processing
 - B. RF Circuit Design
 - C. Biomedical Signal Processing
 - D. Robotics and automation
 - E. Software Defined Radio