

**MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY
BHOPAL – 462003
REVISED SCHEME FOR BATCH ADMITTED IN 2019**

Department of Electronics and Communication Engineering

B. Tech. (Electronics and Communication Engineering)

SEVENTH SEMESTER

Course Code	Course Name	Scheme of Studies Periods per week			Credits
		L	T	P	
EC 411	Antenna & Wave Propagation	3	-	-	3
	Department Elective-5(A)	3	-	-	3
	Department Elective-6(A)	3	-	-	3
	Department Elective-7(A)	3	-	-	3
	Open Elective 3	3	-	-	3
	Open Elective 4	3	-	-	3
EC 412	Antenna & Wireless Communication Lab	-	-	2	1
EC 413	Major Project Phase 1	-	3	2	4
EC 414	Educational Tour & Training.	-	-	2	1
Total Hours =27		18	3	6	24

EIGHTH SEMESTER

Course Code	Course Name	Scheme of Studies Periods per week			Credits
		L	T	P	
	Department Elective-8(A)	3	-	-	3
	Department Elective-9(A)	3	-	-	3
	Department Elective-10(A)	3	-	-	3
EC 421 / EC 422	Major Project Phase 2 / Internship	-	-	12	6
EC 423	General Proficiency	-	-	-	1
Total Hours =21		9	-	12	16

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LIST OF ELECTIVES

List of Department electives - A	
1.	EC 431 Satellite Communication
2.	EC 432 Broadband Optical Networks
3.	EC 433 Active RF Devices and Circuits
4.	EC 434 RADAR and Navigation Systems
5.	EC 435 Statistical Signal Processing
6.	EC 436 Video Signal Processing
7.	EC 437 Mobile Communication
8.	EC 438 CAD of Digital Systems
9.	EC 439 Low Power VLSI Design
10.	EC 440 Embedded System
11.	EC 441 VLSI Physical Design
12.	EC 442 Basics of Software defined Radio
13.	EC 443 Digital VLSI Design
14.	EC 444 Wireless Communication
List of Open electives - C	
1.	EC 451 Computer Vision and Pattern Recognition
2.	EC 452 Biomedical Image Processing
3.	EC 453 Nano Technology
4.	EC 454 Optimization Techniques
5.	EC 455 Multirate Signal Processing
6.	EC 456 Internet Technology
7.	EC 457 Micro Electro Mechanical Systems
8.	EC 458 Computer Organization and Architecture
9.	EC 459 Introduction to Internet of Things
10.	EC 460 Project Management
11.	EC 461 Introduction to Intellectual Property
12.	HUM 451 Public Policy
13.	HUM 452 Organizational Behavior