

M.Sc. ELECTRONICS

Semester – I		
Code	Course Title	Credits
EL511	Mathematics Foundation for Electronics	3
EL512	Signals & Systems	4
EL513	C Programming and Data Structure	3
EL514	Network and Circuit Theory	3
EL515	Electronics Devices and Circuits	4
EL516	C Programming and Data Structure Lab.	2
EL517	Electronics Devices and Circuits Lab	2
Total Credit:		21

Semester – II		
Code	Course Title	Credits
EL521	Digital Circuits and Systems	4
EL522	Analog and Digital Communication Techniques	4
EL523	Electromagnetic Field Theory and Antenna	4
EL524	Computer Organization and Architecture	3
EL525	Professional Elective – I	4
EL526	Digital Circuit Lab	2
EL527	Communication Lab	2
Total Credit:		23

Semester – III		
Code	Course Title	Credits
EL531	Digital Image Processing	4
EL532	Biomedical Instrumentation	4
EL533	Microprocessor and Microcontroller	4
EL534	Instrumentation and Control System	3
EL535	Professional Elective-II	4
EL536	Digital Image Processing Lab	2
EL537	Microprocessor and Microcontroller Lab	2
Total Credit:		23

Semester – IV		
Code	Course Title	Credits
EL541	Entrepreneurship Development	3
EL542	Laser and Opto-Electronics	4
EL543	Professional Elective-III / One MooC Course	4
EL544	Opto- Electronics Lab	2
EL545	Seminar	2
EL546	Major Project	8
Total Credit:		23

SEMESTER WISE CREDIT DISTRIBUTION					
Semester	I	II	III	IV	TOTAL
Total Credit	21	23	23	23	90

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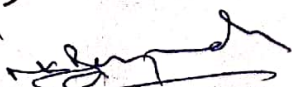
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M.Sc. Electronics, SU: 1

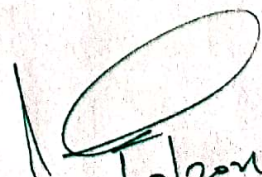
LIST OF PROFESSIONAL ELECTIVES

Course Title
Basics of IC Technology
Machine Learning and Artificial Intelligence
Digital VLSI System Design
Computer Vision & Image Processing
Wired and Wireless Communication
Wireless Sensor Networks
Mobile Computing
Microwave and Antenna Theory
Optical Communication
Internet of Things

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