

FORM
ISO 9001: 2008– KLETECH
School of Electronics and
Communication Engineering

Document #: FMCD2004

Rev: 1.0

Title: Curriculum structure semester wise
Digital Electronics

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Year: 2019-21

Semester: I Semester M.Tech.

	Code	Course	Category	L-T-P	Credits	Contact Hours	ISA	ESA	Total	Exam Duration
1.	18EDEC701	Data Structures using C	Core 1	0-0-3	3	6	80	20	100	2 hours
2.	17EDEC702	Analog and Digital Circuits	Core 2	2-0-1	3	4	50	50	100	3 hours
3.	18EDEC703	CMOS VLSI Design	Core 3	3-0-1	4	5	50	50	100	3 hours
4.	17EDEC704	Fundamentals of Signal Processing	Core 4	3-0-1	4	5	50	50	100	3 hours
5.	17EDEC705	Machine learning	Core 5	3-0-1	4	5	50	50	100	3 hours
6.	17EDEC706	RISC Architectures and Programming	Core 6	4-0-1	5	6	50	50	100	3 hours
7.	17EDEC707	Electronic System Design	Core7	0-0-3	3	6	100	-	100	-
TOTAL				15-0-11	26	37	430	270	700	

ISA: Continuous Internal Evaluation ESA: Semester End Examination L: Lecture T: Tutorials P: Practical


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Year: 2019-21

Semester: II Semester M.Tech.

	Code	Course	Category	L-T-P	Credits	Contact Hours	ISA	ESA	Total	Exam Duration
1.	15EHSC701	Mathematical Thinking and Logical Reasoning	Core 8	3-0-0	3	3	50	50	100	3 hours
2.	19EDEC701	Automotive Electronics and Communication	Core 9	3-0-1	4	5	50	50	100	3 hours
3.	19EDEC702	Real Time Embedded Systems	Core 10	3-0-1	4	5	50	50	100	3 hours
4.	19EDEC703	Multimedia Signal Processing	Core 11	3-0-1	4	5	50	50	100	3 hours
5.	17EDEC701	Image & Video Processing	Elective 1	2-0-1	3	4	50	50	100	3 hours
	17EDEC702	Digital Control Systems								
	19EDEC701	System Simulation & Modeling								
	17EDEC703	Multi Sensor Data Fusion								
6.	19EDEC702	AUTOSAR and Infotainment	Elective 2	2-0-1	3	4	50	50	100	3 hours
	19EDEC703	Internet of Things								
	19EDEC704	Data Communication								
	19EDEC705	Multirate Signal Processing								
7.	19EDEC701	Mini Project	Core 12	0-0-3	3	6	50	50	100	3 hours
TOTAL				16-0-8	24	32	350	350	700	

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Year: 2019-21

Semester: III Semester M.Tech.

	Code	Course	Category	L-T-P	Credits	Contact Hours	ISA	ESA	Total	Exam Duration
1.	17EDEI801	Internship/ Mini Project	Core 13	0-0-8	8	16	50	50	100	3 hours
2.	17EDEW801	Project Phase I / Minor project	Core 14	0-0-10	10	20	50	50	100	3 hours
TOTAL				0-0-18	18	36	100	100	200	

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Semester: IV Semester M.Tech.

	Code	Course	Category	L-T-P	Credits	Contact Hours	ISA	ESA	Total	Exam Duration	
1	17EDEW 802	Project Phase II / Major Project	Core 15	0-0-20	20	40	50	100	150	3 hours	
TOTAL				0-0-20	20	40	50	100	150		

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