

GOVERNMENT COLLEGE OF ENGINEERING, Jalgaon.
Department of Electronics and Telecommunication Engineering
Proposed Scheme for M. Tech. Electronics and Telecommunication Engineering (Digital Systems)
Semester - I

Course Code	Course Name	Teaching Scheme Hrs/week			Evaluation Scheme							Credits
					Theory				Practical			
		TH	TUT	PR	ISA	ISE1	ISE2	ESE	ICA	ESE	Total	
ET501	Image Processing & Computer Vision	3	--	--	10	15	15	60	--	--	100	3
ET502	Advanced Digital Signal Processing	3	--	--	10	15	15	60	--	--	100	3
ET503	Embedded Systems	3	--	--	10	15	15	60	--	--	100	3
ET504	Advanced Computer Architectures	3	--	--	10	15	15	60	--	--	100	3
ET 505	Elective I	3	--	--	10	15	15	60	--	--	100	3
ET 506	Image Processing & Computer Vision and Advanced Digital Signal Processing LAB	--		2	--	--	--	--	25	25	50	1
ET 507	Embedded Systems and Advanced Computer Architectures LAB	--	--	2	--	--	--	--	25	25	50	1
ET 508	Seminar-I	--	--	2	--	--	--	--	50	--	50	2
ET 509	Self Study	--	--	--	--	--	--	--	--	--	100	4
	Total	15	--	6	50	75	75	300	100	50	750	23

TH: Theory Lecture

ISA: Internal Sessional Assessment

ESE: End Semester Examination

TUT: Tutorial

ISE: In Semester Examination

PR: Practical

ICA: Internal Continuous Assessment

Elective I

- A. Statistical Information Processing
- B. Biomedical Engineering
- C. Artificial Intelligence and Neural Networks

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Semester - II

Course Code	Course Name	Teaching Scheme			Evaluation Scheme							Credits
		Hrs/week			Theory				Practical			
		TH	TUT	PR	ISA	ISE1	ISE2	ESE	ICA	ESE	Total	
ET551	Fuzzy Logic Systems	3	--	--	10	15	15	60	--	--	100	3
ET552	Digital Communication Systems	3	--	--	10	15	15	60	--	--	100	3
ET553	Modern Digital System Design & HDL	3	--	--	10	15	15	60	--	--	100	3
ET554	Computer Networks	3	--	--	10	15	15	60	--	--	100	3
ET 555	Elective II	3	--	--	10	15	15	60	--	--	100	3
ET 556	Digital Communication Systems and Modern Digital System Design & HDL LAB	--	--	2	--	--	--	--	25	25	50	1
ET 557	Fuzzy Logic System and Computer Networks LAB	--	--	2	--	--	--	--	25	25	50	1
ET 558	Seminar-II	--	--	2	--	--	--	--	50	--	50	2
ET 559	Self Study	--	--	--	--	--	--	--	--	--	100	4
	Total	15	--	6	50	75	75	300	100	50	750	23

TH: Theory Lecture

TUT: Tutorial

PR: Practical

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Elective II

- A. Pattern Recognition and Classification
- B. Biomedical Signal Processing
- C. Nanotechnology

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Semester - III

Course Code	Course Name	Teaching Scheme Hrs/week			Evaluation Scheme							Credits
					Theory				Practical			
		TH	TUT	PR	ISA	ISE1	ISE2	ESE	ICA	ESE	Total	
ET601	Dissertation-I	--	--	--*	--	--	--	--	100	50	150	8
ET602	Intellectual Property Right	1	1	--	--	--	--	--	50	--	50	2
Total		1	1	--	--	--	--	--	150	50	200	10

Semester - IV

Course Code	Course Name	Teaching Scheme Hrs/week			Evaluation Scheme						Total	Credits
					Theory				Practical			
		TH	TUT	PR	ISA	ISE1	ISE2	ESE	ICA	ESE		
ET651	Dissertation –II	--	--	---**	--	--	--	--	100	200	300	14

TH: Theory Lecture

TUT: Tutorial

PR: Practical

ISA: Internal Sessional Assessment

ISE: In Semester Examination

ICA: Internal Continuous Assessment

ESE: End Semester Examination

*10 Hours laboratory work plus 4 hour guide contact hr and max 3 students per guide per year

**12 Hours laboratory work plus 4 hour guide contact hr and max 3 students per guide per year