

GOVERNMENT COLLEGE OF ENGINEERING, JALGAON
(An Autonomous Institute of Government of Maharashtra)
(Affiliated to North Maharashtra University, Jalgaon)



Curriculum Structure

for

M. Tech. (Electronics and Telecommunication) (Digital Systems)

w. e. f. 2018-19

GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

Scheme for Semester I of M. Tech. (E & Tc) (Digital Systems) - with effect from academic year 2018-19

Course Code	Name of the Course	Teaching Scheme				Evaluation Scheme					Credit	
		Hrs/Week				Theory			Practical			Total
		L	T	P	Total	ISA	MSE	ESE	ICA	ESE		
ET501P	Image Processing and Computer Vision	3	--	--	3	10	30	60	--	--	100	3
ET502P	Digital Integrated Circuit Design	3	--	--	3	10	30	60	--	--	100	3
ET503P	Embedded Systems	3	--	--	3	10	30	60	--	--	100	3
ET504P	Biomedical Engineering	3	--	--	3	10	30	60	--	--	100	3
ET505P	Elective I	3	--	--	3	10	30	60	--	--	100	3
ET506P	Image Processing and Computer Vision, and Biomedical Engineering Lab	--	--	2	2	--	--	--	50	--	50	2
ET507P	Embedded Systems and Digital Integrated Circuit Design Lab	--	--	2	2	--	--	--	50	--	50	2
ET508P	Seminar I	--	--	2	2	--	--	--	50	--	50	1
Total		15	--	06	21	50	150	300	150	--	650	20

L: Lecture

MSE: Mid Semester Examination

T: Tutorial P: Practical

ESE: End Semester Examination

ISA: Internal Sessional Assessment

ICA: Internal Continuous Assessment

- Note:**
1. ESE (TH) duration for all theory courses is three hours.
 2. MSE (TH) duration for all theory courses is two hours

Elective I

- A Nano-technology
- B Computer Architectures
- C Robotics

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Scheme for Semester II of M. Tech. (E & Tc) (Digital Systems) - with effect from academic year 2018-19

Course Code	Name of the Course	Teaching Scheme				Evaluation Scheme					Credit	
		Hrs/Week				Theory			Practical			Total
		L	T	P	Total	ISA	MSE	ESE	ICA	ESE		
ET551P	Digital Communication and Coding	3	--	--	3	10	30	60	--	--	100	3
ET552P	Digital Signal and Speech Processing	3	--	--	3	10	30	60	--	--	100	3
ET553P	Computer Networks	3	--	--	3	10	30	60	--	--	100	3
ET554P	Statistical Information Processing	3	--	--	3	10	30	60	--	--	100	3
ET555P	Elective II	3	--	--	3	10	30	60	--	--	100	3
ET556P	Digital Signal and Speech Processing, and Computer Networks Lab	--	--	2	2	--	--	--	50	--	50	2
ET557P	Digital Communication and Coding, and Statistical Information Processing Lab	--	--	2	2	--	--	--	50	--	50	2
ET558P	Seminar II	--	--	2	2	--	--	--	50	--	50	1
Total		15	--	06	21	50	150	300	150	--	650	20

L: Lecture

MSE: Mid Semester Examination

T: Tutorial P: Practical

ESE: End Semester Examination

ISA: Internal Sessional Assessment

ICA: Internal Continuous Assessment

Note: 1. ESE (TH) duration for all theory courses is three hours.

2. MSE (TH) duration for all theory courses is two hours

Elective II

- A Biomedical Signal and Image Processing
- B Operating Systems
- C Artificial Intelligence and Neural Networks

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Scheme for Semester III of M. Tech. (E & Tc) (Digital Systems) - with effect from academic year 2018-19

Course Code	Name of the Course	Teaching Scheme Hrs/Week				Evaluation Scheme						Credit
		L	T	P	Total	Theory			Practical		Total	
						ISA	MSE	ESE	ICA	ESE		
ET601P	Dissertation I	--	--	--*	--	--	--	--	100	50	150	09
ET602P	Intellectual Property Rights	1	1	--	2	--	--	--	50	--	50	02
ET603P	Research Methodology	1	1	--	2	--	--	--	50	--	50	02
Total		02	02	--	04	--	--	--	200	50	250	13

* Laboratory Work: 10 hours / week and Guide Contact: 4 Hours / Week

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Scheme for Semester IV of M. Tech. (E & Tc) (Digital Systems) - with effect from academic year 2018-19

Course Code	Name of the Course	Teaching Scheme Hrs/Week				Evaluation Scheme						Credit
		L	T	P	Total	Theory			Practical		Total	
						ISA	MSE	ESE	ICA	ESE		
ET651P	Dissertation II	--	--	--*	--	--	--	--	100	150	250	13
Total		--	--	--	--	--	--	--	100	150	250	13
Grand Total		--	--	--	--	100	300	600	600	200	1800	66

* Laboratory Work: 16 hours / week and Guide Contact: 5 Hours / Week