



Dr. Vasantodada Patil Shetkari Shikshan Mandal's
**PADMABHOOSHAN VASANTODADA PATIL INSTITUTE OF
 TECHNOLOGY, BUDHGAON, SANGLI. 416304**

An Autonomous Institute, affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad

(Accredited by NAAC)

Department of Electronics and Telecommunication Engineering

M. Tech. Electronics & Telecommunication Engineering

Curriculum Structure and Evaluation Scheme

(Academic Year 2025-26 onwards)

SEMESTER-I

Course Category	Course Code	Course Name	Teaching Scheme				Evaluation Scheme					TOTAL
			Hours Per week			Credits	Scheme	Theory		Practical		
			L	T	P			Max.	Minimum Marks for Passing	Max.	Minimum Marks for Passing	
PCC	0ETPC501	Random Signal Processing	3	1	-	4	ISE 1	10	40	-	-	100
						MSE	20					
						ISE 2	10					
						ESE	60					
PCC	0ETPC502	Radiation and Microwave Techniques	3	1	-	4	ISE 1	10	40	-	-	100
						MSE	20					
						ISE 2	10					
						ESE	60					
PEC	0ETPE507	Program Elective-I	3	1	-	4	ISE 1	10	40	-	-	100
						MSE	20					
						ISE 2	10					
						ESE	60					
PEC	0ETPE504	Program Elective-II	3	1	-	4	ISE 1	10	40	-	-	100
						MSE	20					
						ISE 2	10					
						ESE	60					
PCC	0ETPC551L	Lab Practice-I	-	-	4	2	ISE	-		50	20	100
						ESE	-		50	20		
ELC	0ETEL552	Seminar I	-	-	4	2	ISE	-	-	50	20	50
CCC	0ETAC553	YOGA for Stress Management	-	-	2	AU	-	-	-	-	-	-
	TOTAL		12	4	10	20	TOTAL MARKS					550
	Total Contact Hours Per Week		26									

Credits Distribution:

Course Category	PCC	PEC	ELC	Total
Credits	10	08	2	20

Program Elective -I		Program Elective-II	
0ETPE503A	Artificial Neural Networks and Applications	0ETPE504A	Multirate Digital Signal Processing
0ETPE503B	Mobile Security	0ETPE504B	System On-Chip
0ETPE503C	Signal Processing Algorithms & Applications	0ETPE504C	Optical Networks
0ETPE503D	Analog and Mixed Signal Processing	0ETPE504D	Statistical Signal Processing

Dr. M. S. Chavan
 HOD

Dr. K. K. Pandeyaji
 Dean Academics



Dr. S. S. Mohite
 Director



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SEMESTER-II

Course Category	Course Code	Course Name	Teaching Scheme				Evaluation Scheme					TOTAL
			Hours Per week			Credits	Scheme	Theory		Practical		
			L	T	P			Max	Minimum Marks for Passing	Max.	Minimum Marks for Passing	
PCC	0ETPC505	Estimation and Detection Theory	3	1	-	4	ISE 1	10	40	-	-	100
							MSE	20				
							ISE 2	10				
							ESE	60				
PCC	0ETPC506	Information Theory and Coding	3	1	-	4	ISE 1	10	40	-	-	100
							MSE	20				
							ISE 2	10				
							ESE	60				
PEC	0ETPE507	Program Elective-III	3	-	-	3	ISE 1	10	40	-	-	100
							MSE	20				
							ISE 2	10				
							ESE	60				
OEC	0ETOE508	Open Elective I	3	-	-	3	ISE 1	10	40	-	-	100
							MSE	20				
							ISE 2	10				
							ESE	60				
ELC	0ETPC554L	Lab Practice–II	-	-	4	2	ISE	-		50	20	100
							ESE			50	20	
ELC	0ETEL555	Seminar-II	-	-	4	2	ISE	-	-	50	20	50
ELC	0ETEL556	Mini-Project	-	-	4	2	ISE	-	-	25	10	50
							ESE			25	10	
CCC	0ETAC557	Disaster Management	-	-	2	AU	-	-	-	-	-	-
	TOTAL		12	2	14	20	TOTAL MARKS					600
	Total Contact Hours Per Week		28									

Credits Distribution:

Course Category	PCC	PEC	OEC	ELC	CCC	Total
Credits	08	03	03	06	AU	20

Program Elective-III		Open Elective-I	
0ETPE507A	Embedded System Design	0ETOE508A	Components and Applications of Internet of Things
0ETPE507B	RF and Millimeter Wave circuit Design	0ETOE508B	Research Methodology
0ETPE507C	Wireless Sensor Networks	0ETOE508C	Environment and Development
0ETPE507D	Numerical Methods in Electromagnetics	0ETOE508D	Entrepreneurship

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SEMESTER-III

Course Category	Course Code	Course Name	Teaching Scheme				Evaluation Scheme					TOTAL
			Hours Per Week			Credits	Scheme	Theory		Practical		
			L	T	P			Max.	Minimum Marks for Passing	Max.	Minimum Marksfor Passing	
PEC	0ETPE601	Program ElectiveIV	3	1	-	4	ISE1	10	40	-	-	100
							MSE	20				
							ISE2	10				
							ESE	60				
OEC	0ETOE602	Open Elective II	3	-	-	3	ISE1	10	40	-	-	100
							MSE	20				
							ISE2	10				
							ESE	60				
IKS	0ETIK603	IKS Concepts and Applications in Engineering	3	-	-	3	ISE1	10	40	-	-	100
							MSE	20				
							ISE2	10				
							ESE	60				
ELC	0ETEL651	Dissertation Phase-I	-	-	2	10	ISE	---	---	50	20	100
							ESE	---	---	50	20	
	TOTAL		09	01	02	20	TOTAL MARKS					400
	Total Contact Hours Per Week		12									

Credits Distribution:

Course Category	PEC	OEC	IKS	ELC	Total
Credits	04	03	03	10	20

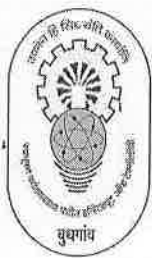
Program Elective-IV		Open Elective-II	
0ETPE601A	Design of Mechatronic Systems	0ETOE602A	Student Psychology
0ETPE601B	Ethical Hacking	0ETOE602B	Business To Business Marketing(B2B)
0ETPE601C ¹	Sustainable Power Generation Systems	0ETOE602C	Organizational Behavior
0ETPE601D	Linear Algebra	0ETOE602D	Principles of Economics
0ETPE601E	Artificial Intelligence and Machine Learning	0ETOE602E	Intellectual Property & Rights

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SEMESTER-IV

Course Category	Course Code	CourseName	Teaching Scheme				Evaluation Scheme					TOTAL
			Hours Per week			Credits	Scheme	Theory		Practical		
			L	T	P			Max	Minimum Marksfor Passing	Max.	Minimum Marks for Passing	
ELC	0ETEL652	DissertationPhase-II	-	-	4	20	ISE	-	-	100	40	200
							ESE	-		100	40	
		TOTAL	-	-	04	20	TOTAL MARKS					200
		Total Contact Hours Per Week	04									

Credits Distribution:

Course Category	DIS	TOTAL
Credits	20	20

Total Credits Distribution:

Semester-I	Semester-II	Semester-III	Semester-IV	TOTAL CREDITS
20	20	20	20	80

Abbreviations:

PCC-Programme Core Course, PEC-
 Programme Elective Course,
 ELC-Experiential Learning Courses, OEC-
 Open Elective Courses,
 AEC-Ability Enhancement Courses,
 VEC- Value Education Courses,
 IKS - Indian Knowledge System,
 MDM - Multidisciplinary Minor.

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