### SCHOOL OF ENGINEERING AND TECHNOLOGY SRI PADMAVATI MAHILA VISVAVIDYALAYAM

### SCHEME OF INSTRUCTION AND EVALUATION OF B.TECH (ECE)

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

II YEAR - I SEMESTER (2024-25)

								THEORY	•						
				Ц	urs	nor					valuation				
				1	Weel	-			Interi	nal (30 Mar	ks)		Exter		
					wee	K.		Assignment	Assignment Te				(70 Ma	ırks)	Total
S.No	Code	Category	Course Title				Credits		Objec	tive	Subjective				Marks
				L	TP	P		Max. Marks	Duration (Mins)	Marks	Duration (Mins)	Marks	Duration	Max. Marks	
1	23BST08	BS	Probability and Complex Variables	3	0	0	3	5	20	10	90	15	3	70	100
2	23HMT02	НМ	Managerial Economics and Financial Analysis / Organizational Behavior / Business Environment	2	0	0	2	5	20	10	90	15	3	70	100
3	23ECT01	ES	Electronic Devices and Circuits	3	0	0	3	5	20	10	90	15	3	70	100
4	23ECT02	PCC	Digital Circuits Design	3	0	0	3	5	20	10	90	15	3	70	100
5	23ECT03	PCC	Signals, Systems and Stochastic Processes	3	0	0	3	5	20	10	90	15	3	70	100
6	23HMT03	Man- HM	Environmental Science	2	0	0		Satisfactory/Unsatisfactory						-	
'				!			P	RACTICALS							
										E	valuation				
S.No	Code	Course	Course Title		urs : Weel		Credits	Internal (30 Marks) External (70						al (70	Total
S.NO	Code	Code	Course Title		wee	K.	Credits	Continuous		T	est		Marl	ks)	Marks
				L	Т	P		Max. Marks	Dura	tion	Max	•	Duration	Max.	
7	23ECP01	PCC	Electronic Devices and Circuits Lab	0	0	3	1.5	15	2		15		3	70	100
8	23ECP02 23CSS01	PCC SEC	Digital Circuits & Signal Simulation Lab	0	0	3	1.5	15	2		15		3	70	100
9	Python Programming	0	1	2	2	15	2		15		3	70	100		
		Т	`otal	16	1	8	19								800

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#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

II YEAR - II SEMESTER (2024-25)

								THEORY							
					ours				Internal (3		valuation		Exter	mal	
S.No	Code	Course	Course Title	Week		Credits		Objec		Subject	live	(70 Marks)		Total	
		Code		L	т	P		Max. Marks	Duration (Mins)	Marks	Duration (Mins)	Marks	Duration	Max. Marks	Marks
1	23HMT01	НМТ	Universal Human Values – Understanding Harmony and Ethical Human Conduct	2	1	0	3	5	20	10	90	15	3	70	100
2	23EET38	ES	Linear Control Systems	3	0	0	3	5	20	10	90	15	3	70	100
3	23ECT04	PCC	EM Waves and Transmission Lines	3	0	0	3	5	20	10	90	15	3	70	100
4	23ECT05	PCC	Electronic Circuits Analysis	3	0	0	3	5	20	10	90	15	3	70	100
5	23ECT06	PCC	Analog and Digital Communications	3	0	0	3	5	20	10	90	15	3	70	100
		!					P	RACTICALS		!		!	•		
				н	ours	ner					valuation				
S.No	Code	Course	Course Title	l	Wee	•	Credits		Internal (30 Marks) External						Total
		Code		L	Т	P	-	Continuous Max. Marks	Dura		est Max		Marl Duration	Max.	Marks
6	23ECP03	PCC	Electronic Circuits Analysis Lab	0	0	3	1.5	15	2		15	-	3	70	100
7	23ECP04	PCC	Analog and Digital Communications Lab	0	0	3	1.5	15	2	2			3	70	100
8	23BSS01	SEC	Soft Skills	0	1	2	2	15	2		15		3	70	100
9	23HMP01	HM	Design Thinking and Innovation	1	0	2	2	15	2		15		3	70	100

900

15 2 10

Total

### SCHOOL OF ENGINEERING AND TECHNOLOGY SRI PADMAVATI MAHILA VISVAVIDYALAYAM

### SCHEME OF INSTRUCTION AND EVALUATION OF B.TECH (ECE) DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

III YEAR - I SEMESTER (2024-25)

								ESTER (2024- ORY							
										Ev	aluation				
					ours j				Interna	1 (30 Mar	ks)		Exte	rnal	
S.No	Code	0-4	Course Title		Weel	K.	Credits	Assignment		Test				arks)	Total
S.NO	Code	Category	course ricle				Creaits		Object	ive	Subject	tive		Max.	Marks
				L	Т	P		Max. Marks	Duration (Mins)	Marks	Duration (Mins)	Marks	Duration	Max. Marks	
1	23ECT07	PCC	Analog and Digital IC Applications	3	0	0	3	5	20	10	90	15	3	70	100
2	23ECT08	PCC	Antennas and Wave Propagation	3	0	0	3	5	20	10	90	15	3	70	100
3	23ECT09	PCC	Microprocessors and Microcontrollers	3	0	0	3	5	20	10	90	15	3	70	100
4	23CST33 23ECT14 23ECT15 23CST17 23ECM01	PE-I	Computer Architecture & Organization Information Theory and Coding Detection and Estimation Theory Artificial Intelligence Moocs-1	3	0	0	3	5	20	10	90	15	3	70	100
5		OE-I		3	0	0	3	5	20	10	90	15	3	70	100
,		•		•	•		PRAC'1	TICALS	•	•		•		•	•
				17.	ours 1					Ev	aluation				Total
S.No	Code	Category	Course Title		Weel		Credits		Interna	1 (30 Mar	ks)		External	(70	Marks
					Week			Continuous		Т	est		Mar	ks)	
6	23ECP05	PCC	Analog & Digital IC Applications Lab	0	0	3	1.5	15	2		15		3	70	100
7	23ECP06	PCC	Microprocessors and Microcontrollers Lab	0	0	3	1.5	15	2	_	15		3	70	100

Microcontrollers Lab PCB Design and Prototype

Development

TinkeringLab

Internship

Evaluation of Summer

SEC

ES

IT-1

**Total** 

23ECS01

23BSP07

23ECI01

### SCHOOL OF ENGINEERING AND TECHNOLOGY SRI PADMAVATI MAHILA VISVAVIDYALAYAM

## SCHEME OF INSTRUCTION AND EVALUATION OF B.TECH (ECE) DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## III YEAR - II SEMESTER (2024-25) THEORY

Evaluation

				ш.	ours 1				aiuation						
					Weel				Internal (30 Marks)  Objective Subjective		Exter	nal	Total		
S.No	Code	Category	Course Title		WCCI	•	Credits		Object	ive	Subject	tive	(70 Ma	ırks)	Marks
				L	Т	P		Max. Marks	Duration (Mins)	Marks	Duration (Mins)	Marks	Duration	Max. Marks	Marks
1	23ECT10	PCC	Digital Signal Processing	3	0	0	3	5	20	10	90	15	3	70	100
2	23ECT11	PCC	Microwave and Optical Communications	3	0	0	3	5	20	10	90	15	3	70	100
3	23ECT12	PCC	VLSI Design	3	0	0	3	5	20	10	90	15	3	70	100
4	23ECT16 23ECT17 23CST09 20MET49 20ECM02	PE-II	Electronic Measurements and Instrumentation Cellular and Mobile Communications Machine Learning Introduction to Robotics MOOCS	3	0	0	3	5	20	10	90	15	3	70	100
5	23ECM03	PE-III	MOOCS (Mandatory)	3	0	0	3								100
6	23BST13	Audit Course	Technical Paper Writing & IPR	2	0	0	-	Satisfactory/Unsatisfactory							
7		OE-II		3	0	0	3	5 20 10 90 15						70	100
•			•				PRAC'	TICALS	•						
				ш	ours 1	20#				Ev	valuation				
S.No	Code	Category	Course Title	ı	Weel	•	Credits		Interna	1 (30 Mar			Externa	•	Total
5.110	Couc	Category	Course Title				Cicuits	Continuous Test						ks)	Marks
				L	Т	P		Max. Marks	Durati	ion	Max	•	Duration	Max.	
8	23ECP07	PCC	Microwave and Optical Communications Lab	0	0	3	1.5	15 2		15		3	70	100	
9	23ECP08	PCC	VLSI Design Lab	0	0	3	1.5	15 2			15		3	70	100
10	23ECS02	23ECS02 SEC AI and Signal Processing					2	15	2		15		3	70	100
		To	otal	20	1	8	23								900

<sup>\*</sup>Mandatory Industry Internship of 08 weeks duration during summer vacation

#### SCHOOL OF ENGINEERING AND TECHNOLOGY SRI PADMAVATI MAHILA VISVAVIDYALAYAM

### SCHEME OF INSTRUCTION AND EVALUATION OF B.TECH (ECE)

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IV YEAR - I SEMESTER (2024-25)

		THEORY													
				Н	ours	ner					Evaluation				
					Weel	-			Internal	<u> </u>	•			ternal	
S.No	Code	Category	Course Title				Credits	Assignment		Te			(70 Marks)		Total
					T	P		Max. Marks	Object	ive	Subjec	tive	Duration	Max. Marks	Marks
				L	1	Р		Max. Marks	S Duration (Mins)	Marks	Duration (Mins)	Marks	Duration	Max. Marks	
1	23ECT13	PCC	Cellular & Mobile Communication	3	0	0	3	5	20	10	90	15	3	70	100
2	23BST14	HSMC	Human Resource Management	2	0	0	2	5	20	10	90	15	3	70	100
3	23ECT18 23ECT19 23ECT20 23ECT21 23ECM04	PE-IV	Low Power VLSI Design Radar Engineering Digital Image Processing 5G Communications Mooc Course	3	0	0	3	5	20	10	90	15	3	70	100
4	23ECT22 23ECT23 23ECT24 23ECT25 23ECM05	PE-V	Sensors and Actuators Wireless Sensor Networks Speech Processing Internet of Things Mooc Course	3	0	0	3	5	20	10	90	15	3	70	100
5	-	OE-III	-	3	0	0	3	5	20	10	90	15	3	70	100
6	-	OE-IV	-	3	0	0	3	5	20	10	90	15	3	70	100
	1		1				PR	ACTICALS	l		ı	l		1	

### PRACTICALS

		Category	Course Title						Evaluation					
S.No	Code			Hours per Week			Credits		Internal (30 Marks		Fyternal	(70 Marks)	Total	
5	Couc	Category	Course Title				Cicuits	Continuous	Те	st	DATEINAI	(10 Maiks)	Marks	
				L	Т	P		Max. Marks	Duration	Max.	Duration	Max.		
6	23MES04	SEC	Industrial IoT & Automation	0	1	2	2	15	2	15	3	70	100	
7	23BST18	Audit Course	Gender Sensitization	2	0	0	-	Satisfactory/Unsatisfactory						
8	23ECI02	Internship	Evaluationof Industry Internship	-	-	-	2					50	50	
	Total					2	21						750	

# SCHOOL OF ENGINEERING AND TECHNOLOGY SRI PADMAVATI MAHILA VISVAVIDYALAYAM SCHEME OF INSTRUCTION AND EVALUATION OF B.TECH (ECE) DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING IV YEAR – II SEMESTER (2024-25)

	PRACTICALS												
	Hours per			Evaluation									
S.No	Code	Category	Course Title	Week Credits			Internal (60 Mark	External (140 Marks)		Total Marks			
				L	T	P		Max. Marks	Duration	Max.	Duration	Max.	Waiks
1	23ECJ01	Project	Internship and Project	-	-	24	12			60		140	200
	-			24	12				-		200		