ANNEXURE - V

PERI INSTITUTE OF TECHNOLOGY

(AUTONOMOUS)

REGULATION 2026

M.E COMMUNICATION SYSTEMS

SEMESTER - I

S.NO.	COURSE CODE	COURSETITLE	CATEGORY	PERIODS PER WEEK			TCP	CREDITS
				L	T	P		
THEORY								
1.		Advanced Mathematical Methods (ECE)	BS	3	1	0	4	4
2.		Advanced Radiation Systems	PCC	3	0	0	3	3
3.		Modern Digital Communication Systems	PCC	3	0	0	3	3
4.		Advanced Digital Signal Processing	PCC	3	1	0	4	4
LAB INTEGRATED COURSE								
5.		Analog and Digital Electronic System Design	PCC	3	0	2	5	4
PRACTICALS								
6.		Digital Communication Systems Laboratory	PCC	0	0	4	4	2
7.		Technical Seminar	EEC	0	0	2	2	1
TOTAL				**15**	**2**	**8**	**25**	**21**

SEMESTER - II

S.NO.	COURSE CODE	COURSETITLE	CATEGORY	PERIODS PER WEEK			TCP	CREDITS
				L	T	P		
THEORY								
1.		Radio Frequency Transceiver Design	PCC	3	0	0	3	3
2.		Machine Learning	PCC	3	1	0	4	4
3.		Program Elective - I	PEC	3	0	0	3	3
4.		Industry Oriented Course - I	EEC	1	0	0	1	1
5.		Industrial Training	EEC	0	0	0	0	1
LAB INTEGRATED COURSE								
6.		Advanced Wireless Communication Networks	PCC	3	0	2	5	4
PRACTICALS								

7.		Advanced Communication Systems Laboratory		0	0	4	4	2
8.		Applied Engineering Project	EEC	0	0	4	4	2
			TOTAL	**13**	**1**	**10**	**24**	**20**

SEMESTER – III

S.NO.	COURSE CODE	COURSETITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.		Professional Elective II	PEC	3	0	0	3	3
2.		Professional Elective III	PEC	3	0	0	3	3
3.		Professional Elective IV	PEC	3	0	0	3	3
4.		Open Elective	PEC	3	0	0	3	3
5.		Industry Oriented Course - II	EEC	1	0	0	1	1
PRACTICALS								
6.		Capstone Project - I	EEC	0	0	12	12	6
		TOTAL		**13**	**0**	**12**	**25**	**19**

SEMESTER - IV

S. NO.	COURSE CODE	COURSETITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
PRACTICALS								
1.		Capstone Project - II	EEC	0	0	24	24	12
		TOTAL		**0**	**0**	**24**	**24**	**12**

Total No. of. Credits: 72

PROFESSIONAL ELECTIVES

S.NO.	COURSE CODE	COURSETITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1		Wavelets and Sub band Coding	PEC	3	0	0	3	3
2		Wireless Sensor Networks and WBAN	PEC	3	0	0	3	3
3		Ultra Wide Band Communications	PEC	3	0	0	3	3
4		VLSI for Wireless Communication	PEC	3	0	0	3	3
5		Cognitive Radio Communications	PEC	3	0	0	3	3
6		Quantum Communication and Networking	PEC	3	0	0	3	3
7		Telecommunication System Modeling and Simulation	PEC	3	0	0	3	3
8		Massive MIMO and MMWAVE System	PEC	3	0	0	3	3
9		Advanced Satellite Based Systems	PEC	3	0	0	3	3
10		Communication Network Design	PEC	3	0	0	3	3
11		Digital Communication Transceivers	PEC	3	0	0	3	3
12		Co-operative Communication	PEC	3	0	0	3	3
13		Security for Wireless Communication Networks	PEC	3	0	0	3	3
14		Signal Detection and Estimation	PEC	3	0	0	3	3
15		Solid State Device Modeling and Simulation	PEC	3	0	0	3	3
16		RF Integrated Circuit Design	PEC	3	0	0	3	3
17		Image and Video Processing and Analytics	PEC	3	0	0	3	3
18		MEMS and NEMS	PEC	3	0	0	3	3
19		Image Processing and Pattern Recognition	PEC	3	0	0	3	3
20		Analog and Mixed Signal VLSI Design	PEC	3	0	0	3	3