

DEPARTMENT OF ELECTRICAL ENGINEERING

M.Tech. (Instrumentation & Signal Processing)

[illegible]

Program Elective Courses (I&SP)

Teaching Scheme					Contact Hours/Week			Exam Duration		Relative Weight (%)				
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1.	EEN-620	Process Instrumentation and Control	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
2.	EEN-621	Noise and Interference in Instrumentation	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
3.	EEN-622	Power System Instrumentation	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
4.	EEN-623	Measurement Errors and Statistical Analysis	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
5.	EEN-624	Telemetry and SCADA	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
6.	EEN-625	Virtual Instrumentation	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
7.	EEN-626	Advances in Signal and Image Processing	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
8.	EEN-627	Ultrasonic and Laser Instrumentation	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
9.	EEN-628	Medical Imaging	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
10.	EEN-629	Bioelectric Signals and Processing	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
11.	EEN-630	Computer Applications in Medical Engineering	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
12.	EEN-631	Microprocessor Based Medical Instruments	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
13.	EEN-632	Hospital Informatics and safety Measures	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
14.	EEN-633	Clinical Engineering	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
15.	EEN-668	Digital Protection of Power Systems	PEC	4	3	0	2	3	-	10-25	25	15-25	30-40	-
16.	EEN-682	Advanced Digital System Design	PEC	4	3	0	2	3	-	10-25	25	15-25	30-40	-
17.	EEN-690	Advanced Computer Controlled Systems	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
18.	EEN-611	FPGA Implementation of Signal Processing Systems	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
19.	EEN-612	Electrical Transients in Power Systems	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
20.	EEN-613	Sliding Mode Control and Observation	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
21.	EEN-614	Bio-Medical Robotics	PEC	4	3	1	2	3	1	10-25	25	15-25	30-40	-

22.	EEN-674	Machine Learning for Signal Processing	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
23.	EEN-696	Intelligent Control of Robotic Systems	PEC	4	3	0	2/2	3	0	15-30	20	15-25	30-40	-