

M.Tech Curriculum
Signal Processing and Communication
 From Academic Year 2020-21

Semester - I

S.No.	Course No	Course Name	L-T-P-C
1.	EE5101	Advanced Signal Analysis and Processing	3-0-0-3
2.	EE5103	Wireless Communication	3-0-0-3
3.	DPE1	Department Elective-1	3-0-0-3
4.	EE5191	Advanced Signal Analysis and Processing Laboratory	0-0-3-2
5.	EE5193	Wireless Communication Laboratory	0-0-3-2
6.	MA5021	Linear Algebra for Engineers	2-0-0-2
7.	MA5022	Probability Theory for Engineers	2-0-0-2
Total			17

Semester – II

S.No.	Course No	Course Name	L-T-P-C
1.	EE5202	Communication Networks	3-0-0-3
2.	EE5204	Machine Learning for Image Processing	3-0-0-3
3.	EE5206	Statistical Signal Processing	3-0-0-3
4.	DPE2	Department Elective-2	3-0-0-3
5.	EE5292	Communication Networks Laboratory	0-0-3-2
6.	EE5294	Image Processing Laboratory	0-0-3-2
7.	FRE	Free Elective	3-0-0-3
Total			19

Semester - III

S.No	Course No	Course Name	L-T-P-C
1.	EE6110	Seminar	- - - 1
2.	EE6150	Project Phase-I	- - - 10
Total			11

Semester - IV

S.No	Course No	Course Name	L-T-P-C
1.	EE6250	Project Phase-II	- - - 15
Total			15

Total Credits - 62

Department Electives

- 1) CS5103 Artificial Intelligence and Machine Learning
- 2) EE5025 Information Theory and Coding
- 3) EE5029 Medical Imaging
- 4) EE5034 Speech Signal Processing
- 5) EE5105 Optimal Control
- 6) EE5113 Computer Vision
- 7) EE6021 Deep Learning: Theory and Applications
- 8) EE6023 Robotics and Automation
- 9) EE5026 Multivariable Feedback Control