

**M. Tech Curriculum**  
**Signal Processing and Communication**  
2019 Batch onwards

**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	Advanced Communication	3-0-0-3
3.	EE5191	Advanced Signal Analysis and Processing Laboratory	0-0-3-2
4.	EE5193	Advanced Communication Laboratory	0-0-3-2
5.	DPE1	Department Elective-1	3-0-0-3
6.	MA5105	Linear Algebra and Probability Theory	3-1-0-4
<b>Total</b>			<b>17</b>

**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.	EE5292	Communication Networks Laboratory	0-0-3-2
5.	EE5294	Image Processing Laboratory	0-0-3-2
6.	DPE2	Department Elective-2	3-0-0-3
7.	FRE	Free Elective	3-0-0-3
<b>Total</b>			<b>19</b>

**Semester - III**

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

**Semester - IV**

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

**Total Credits - 62**

**Department Electives:**

1. EE5025 Information Theory and Coding
2. EE5029 Medical Imaging
3. EE5101 Image and Video Processing
4. EE5113 Computer Vision
5. EE6021 Deep Learning: Theory and Applications
6. EE6022 Network Information Theory