

**SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**SRI PADMAVATI MAHILA VISVAVIDYALAYAM**  
**Department of Electronics & Communication Engineering**  
**List of Courses Offered by the Department to M.Tech (2019-20)**

**THEORY**

<b>S. No</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Number of Credits</b>	<b>Prerequisites</b>
1	19MECT01	CMOS VLSI Design	3	19ECT15: VLSI Design
2	19MECT02	Advanced Digital Signal Processing and Algorithms	3	19ECT13: Digital Signal Processing
3	19MECT03	Embedded Systems	3	---
4	19MECT04	Digital Image and Video Processing	3	19MECT02: Advanced Digital Signal Processing and Algorithms
5	19MECT05	Advanced Digital System Design	3	19ECT04: Digital System Design
6	19MECT06	Optical Communications and Networks	3	---
7	19MECT07	Coding Theory and Techniques	3	19ECT11: Digital Communication
8	19MECT08	Detection and Estimation Theory	3	---
9	19MECT09	FPGA Architecture and Applications	3	19ECT15: VLSI Design
10	19MECT10	Wireless Communications and Networks	3	19ECT04: Digital Communication
11	19MECT11	Low Power VLSI Design	3	19ECT15: VLSI Design
12	19MECT12	Design for Testability	3	19MECT02: Advanced Digital Signal Processing and Algorithms
13	19MECT13	System on-chip Design	3	19MECT02: Advanced Digital Signal Processing and Algorithms
14	19MECT15	MIMO Systems	3	---
15	19MECT16	Adaptive Signal Processing	3	---
16	19MECT17	Audio and Speech Processing	3	---
17	19MECT22	Advanced Embedded System	3	---
18	19MECT23	CMOS Digital IC Design	3	---
19	19MECT24	RFID Systems	3	---
20	19MECT25	Wireless Sensor Networks	3	---

## PRACTICALS

<b>S. No</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Number of Credits</b>	<b>Prerequisites</b>
1	19MECP01	VLSI Lab	2	---
2	19MECP02	Signal Processing Lab	2	---
3	19MECP03	Wireless Communications Lab	2	---
4	19MECP04	FPGA Lab	2	---

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