

## Curriculum for M.Tech (Electrical Devices & Power System)

(For the students who were admitted in Academic Session 2015-2016)

Sl.	Course Code	Course Title	L	T	P	C
<b>1st Year 1st Semester</b>						
1	EAM101	Advanced Engineering Mathematics	3	1		4
2	EDPM102	Advanced Control System	3	1		4
3	EDPM103	Electrical Machine Analysis	4			4
4	EDPM104	Elective I	4			4
5	EDPM105	Elective II	4			4
6	EDPM191	Laboratory I: Advanced Control System Laboratory			3	2
7	EDPM192	Laboratory II: Elective II Laboratory			3	2
8	EDPM193	Seminar I			3	2
<b>1st Year 2nd Semester</b>						
9	EDPM201	EHV (AC & DC) Power Transmission	3	1		4
10	EDPM202	Advanced Power System Dynamics	4			4
11	EDPM203	Advanced Power System Protection	3			4
12	EDPM204	Elective III	4			4
13	EDPM205	Elective IV	4			4
14	EDPM291	Laboratory III			3	2
15	EDPM292	Laboratory IV			3	2
16	EDPM281	Seminar II			3	2
<b>2nd Year 3rd Semester</b>						
17	EMM301	Introduction to Management	4			4
18	EDPM301	Elective V	4			4
19	EDPM381	Dissertation (Part-I)			20	10
20	EDPM382	Pre-submission Defense of Dissertation				4
<b>2nd Year 4th Semester</b>						
21	EDPM481	Dissertation (Completion)			24	14
22	EDPM482	Post Submission Defense of Dissertation				8
23	EDPM483	Comprehensive Viva-Voce				4

### EDPM104 Elective I

- A. Signal Processing
- B. Power System Planning & Reliability

### EDPM105 Elective II

- A. Power System Operation & Control
- B. Power System Harmonics
- C. Advance Power System Optimization

### EDPM204 Elective II

- A. Power Electronics
- B. Soft Computing Techniques
- C. Facts Devices

### EDPM205 Elective II

- A. High Voltage DC Transmission System

### EDPM301 Elective II

- A. Generation of Non- Conventional Energy
- B. Microprocessor & Microcontroller