

## M-Tech PEPS Fractal Course Curriculum

**Table 1: Course curriculum for M-Tech 1-year (all-course) program (36 credits)**

Semester	Total Credit	Course Name	Course Code	Credit
1	15	Steady State Modeling of Power Systems	EE5207	1
		Computer Aided Power System Analysis	EE5217	2
		Basics of Power Electronic Converters	EE5227	1
		Analysis and Design of Power Electronic Converters	EE5237	2
		Dynamics of Power System Components	EE5247	2
		Power System Stability Analysis	EE5257	1
		Departmental Electives	EE****,EE****,....	3
		Free Electives	*****,*****,...	3
2	15	Analysis of DC Machines and Reference Frame Theory	EE5267	1
		Analysis of AC Machines	EE5277	2
		Basics of Power System Protection	EE5287	1
		Advanced Power System Protection	EE5297	2
		Departmental Electives	EE****,EE****,....	6
		Free Electives	*****,*****,...	3
3	6	Departmental Electives	EE****,EE****,....	2
		Power System Lab	EE6201	2
		Power Electronics Lab	EE6211	2
<b>Total: Core(19)+Dept. Elec. (11)+ Free Elec. (6)+ Thesis(0)</b>				<b>36</b>