

	Department of Electrical Engineering, IIT Hyderabad		
	PEPS Course Curriculum for 3-year M.Tech, August Batch		
		(August 2025 Onwards)	
	Semester - 1 (Aug)		
	Code	Course Title	Credits
	EE5200	Steady State Power System Analysis	3
	EE5210	Power Converter Design	3
	LA5180	English Communication (EC)	1
	Total Credits		7
	Semester - 2 (Jan)		
	EE6211	Power Electronics Lab	2
	EEXXXX	Electives Basket	6
	Total Credits		8
	Semester - 3 (Aug)		
	EE5230	Power System Dynamics and Control	3
	EE5240	Electrical Machine Analysis and Control	3
	EE5996	Industry Lectures (IL)	1
	Total Credits		7
	Semester - 4 (Jan)		
	EE6201	Power Systems Lab	2
	EExxxx	Electives Basket	2
	EE6635	MTech RA Thesis Stage - 1	4
	Total Credits		8
	Semester - 5 (Aug)		
	EE6645	MTech RA Thesis Stage - 2	8
	Semester - 6 (Jan)		
	EE6655	MTech RA Thesis PEPS Stage - 3	12
	Total Credits		50
	Total Credits (Excluding EC and IL)		48
	PEPS Course Curriculum for 3-year M.Tech, January Batch		
		(August 2025 Onwards)	
	Semester - 1 (Even) (Jan)		
	Code	Course Title	Credits
	EEXXXX	Electives Basket	3
	EE5996	Industry Lectures (IL)	1
	Total Credits		4
	Semester - 2 (Odd) (August)		
	EE5200	Steady State Power System Analysis	3
	EE5210	Power Converter Design	3
	EE5230	Power System Dynamics and Control	3
	Total Credits		9
	Semester - 3 (Jan)		
	EEXXXX	Electives Basket	5
	EE6201	Power Systems Lab	2
	EE6211	Power Electronics Lab	2
	Total Credits		9
	Semester - 4 (Aug)		
	LA5180	English Communication (EC)	1
	EE5240	Electrical Machine Analysis and Control	3
	EE6635	MTech RA Thesis Stage - 1	4

	Total Credits		8
	Semester - 5 (Jan)		
	EE6645	MTech RA Thesis Stage - 2	8
	Semester - 6 (Aug)		
	EE6655	MTech RA Thesis Stage - 3	12
	Total Credits		50
	Total Credits (Excluding EC and IL)		48
	Electives Basket		
	Code	Course Title	Credits
	EE6212	Multilevel Converters	3
	EE6240	Power System Protection	3
	EE5250	Embedded system design in power electronics	3
	EE7210	Smart Grid	3
	EE6220	HVDC and FACTS	3