

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Program wise Curriculum Analysis of (R18)

Program Program Name	N	No of Courses having focus on			
Code	Employability	Entrepreneurship	Skill development	Total Courses	Percentage
S2 M.TECH-PDE	3	0	4	27	26
					20

Coordinator

HOD Professor & Head Dept. of Elec. & Electronics Engg. University College of Engg. J.N.T.University Kakinada KAKINADA-533 003.

J.N.T. University Kakinada Kakinada-533003



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis(R18)

Program Code: 52

Program Name: M.Tech – POWER ELECTRONICS AND DRIVES

Year: I

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurs hip (Yes/No)	Skill developme nt (Yes/No)
R161101	Electrical Machine Modeling and Analysis			110 (103) (10)
R161102	Analysis of Power Electronic Converters			
R161103	Power Electronic Control of Electrical Drives-I			
R161104	Power Quality			
R161105A	Modern Control Theory			
R161105B	Custom Power Devices			
R161105C	OptimizationTechniques			
R161106A	Energy Auditing, Conservation and Management			
R161106B	Artificial Intelligence Techniques			
R161106C	HVDC Transmission			
R161107	Simulation Laboratory			YES
	Total			01



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Course wise Curriculum Analysis(R18)

Program Code: 52

Program Name: M.Tech - POWER ELECTRONICS AND DRIVES

Year: I

Semester: II

Course	Course name	Employability	Entrepreneurship	Skill
code		(Yes/No)	(Yes/No)	development
				(Yes/No)
R161201	Switched Mode Power Conversion			, , ,
R161202	Power Electronic Control of Electrical Drives-II			
R161203	Microcontrollers and its Applications to Power Electronic Systems			
R161204	Flexible AC Transmission Systems			
R161205A	Renewable Energy Systems			
R161205B	Hybrid and Electric Vehicles			
R161205C	Industrial applications of Power Electronic Systems			
R161206A	Smart Grid Technologies			
R161206B	Advanced Digital Signal Processing	_		
R161206C	Programmable Logic Controllers & Applications			
R161207	Power Converters & Drives Laboratory			YES
·	Total	0		1



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Year:II

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R162101	Comprehensive Viva-Voce	YES		(103/110/
R162102	Seminar – I			
R162103	Project Work – !	YES		YES
	Total	02		01



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Program Code: 52

Program Name: M.Tech -POWER ELECTRONICS AND DRIVES

Semester: II

Course code	Course name		Employability (Yes/No)	Entrepreneur ship (Yes/No)	Skill development
R162201	Seminar – II		YES	3111P (1E3/140)	(Yes/No)
R162202	Project Work – II		1125		YES
		TOTAL	01		01