

Kakinada-533003, Andhra Pradesh (India)

#### Program wise Curriculum Analysis of (R16)

Program Name	No of Courses having focus on			Total Courses	Percentage
	Employability	Entrepreneurship	Skill development		· s. semage
LTECH-AEPS	8	02	05	33	45
1.	TECH-AEPS	Employability	Employability Entrepreneurship	Employability Entrepreneurship Skill development	Employability Entrepreneurship Skill development

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

REGISTRAR
J.N.T. University Kakinada
Kakinada-533003



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

#### Course wise Curriculum Analysis(R16)

Program Code: 34

Program Name: M.Tech – ADVANCED ELECTRICAL POWER SYSTEMS

Year: I

Semester: I

Course code	Course name	Employability	Entrepreneurs	Skill
		(Yes/No)	hip (Yes/No)	developme
				nt (Yes/No)
R161101	Microprocessors & Microcontrollers			,
R161102	HVDC Transmission			
R161103	Power System Operation and Control			
R161104	Reactive Power Compensation & Management		<u> </u>	
R161105A	Electrical Distribution Systems			
R161105B	EHVAC Transmission			
R161105C	Analysis of Power Electronics Converters			
R161105D	Renewable Energy Systems	YES		
R161105E	Artificial Intelligence Techniques	YES		
R161106A	Power System Security	YES		
R161106B	Advanced Digital Signal Processing	YES		
R161106C	Generation & Measurement of High Voltages			<del></del>
R161106D	Programmable Logic Controllers & Applications	YES		
R161106E	Modern Control Theory	YES		<u> </u>
R161107	Simulation Laboratory			YES
	Total	6		1



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#### Course wise Curriculum Analysis(R16)

Program Code: 34

Program Name: M.Tech - ADVANCED ELECTRICAL POWER SYSTEMS

Year: I

Semester: II

Course	Course name	Employability	Entrepreneurship	Skill
code		(Yes/No)	(Yes/No)	development (Yes/No)
R161201	Power System Dynamics and Stability			(
R161202	Flexible AC Transmission Systems			
R161203	Real Time Control of Power Systems			YES
R161204	Advanced Power System Protection		-	
R161205A	Smart Grid Technologies			
R161205B	Power Quality			1
R161205C	Power System Reliability			
R161205D	Voltage Stability			
R161206A	Power System Deregulation			
R161206B	High Voltage Testing Techniques		<u></u>	
R161206C	Power System Transients	YES		
R161206D	Demand Side Energy Management	YES		
R161207	Power Systems Laboratory			YES
	Total	2		02



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Program Code: 34

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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			
R162102	Seminar – I		YES	
R162103	Project Work – I		123	YES
	Total		01	01



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### Course wise Curriculum Analysis (R16)

Program Code: 34

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Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneur ship (Yes/No)	Skill development (Yes/No)
R162201	Seminar – II		July (165/110)	(163/140)
R162202	Project Work – II		YES	YES
			01	01