JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Program wise Curriculum Analysis of (R19)

Program Code	Program Name	No of Courses having focus on			Total Courses	Percentage
		Employability	Entrepreneurship	Skill development		
1D34	M.Tech – AEPS	6	2	8	20	80
1D08	M.Tech – HVE	7	3	5	20	75
1D52	M.Tech – PE&D	7	2	5	20	70

Coordinator

HOD
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

Course wise Curriculum Analysis(R19)

Program Code: 1D34   Program Name: M.Tech - AEPS   Year: 1   Semester: 1

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
PC	Power System Operation & Control			
PC	Renewable Energy Technologies		yes	
PE	Program Elective – I i.Electrical Distribution Automation ii.Analysis of Power Electronic Converters iii.Artificial Intelligent Techniques iv.Power Quality and Custom Power Devices	yes		
PE	Program Elective – II i. HVDC Transmission ii Generation & Measurement of High Voltages iii. Advanced Power Systems Protection iv. Power System Reliability	yes		
	Research Methodology and IPR	yes		
	Power System Simulation Laboratory–I			Yes
	Power Systems Laboratory			Yes
	Audit Course – I			
Total		3	1	2

Course wise Curriculum Analysis(R19)

Program Code: 1D34   Program Name: M.Tech - AEPS   Year: 1   Semester: 2

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
PC	Power System Dynamics and Stability			
PC	Real Time Control of Power Systems			yes

PE	Program Elective – III
	  i. Smart Grid Technologies
	  ii. EHVAC Transmission
	  iii. Flexible AC Transmission Systems
	  iv. Hybrid Electric Vehicles
		yes		

PE	Program Elective – IV
	  i.Power System Deregulation
	  ii.High Voltage Testing Techniques
	  iii.Evolutionary Algorithmsand Applications
	  iv.Programmable Logic Controllers &
	  Applications
		Yes		

	Power System Simulation Laboratory–II			Yes
	Renewable Energy Systems Laboratory			Yes
	Mini Project with Seminar			yes
	Audit Course – II			
	Total	2	0	4

Course wise Curriculum Analysis(R19)

Program Code: 1D34   Program Name: M.Tech - AEPS   Year: 2   Semester: 3

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
PE	Program Elective –V	Yes		
	Open Elective		Yes	
	Dissertation Phase - I (to be continued and evaluated next semester)			Yes
	Total	1	1	1

Program Code: 1D34   Program Name: M.Tech - AEPS   Year: 2   Semester: 4

Course code	Course name	Employability (Yes/No)	Entrepreneur ship (Yes/No)	Skill development (Yes/No)
	Dissertation Phase-II (continued from III semester)			Yes
		0	0	1

Coordinator   Chairman, Board of Studies