




JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Program wise Curriculum Analysis of (R16)

Program Code	Program Name	No of Courses having focus on			Total Courses	Percentage
		Employability	Entrepreneurship	Skill development		
08	M.TECH-HVE	12	01	12	32	78


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 Kakinad
Kakinada-533003



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis(R16)

Program Code: 08

Program Name: M.Tech – HIGH VOLTAGE ENGINEERING

Year: I

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurs hip (Yes/No)	Skill developme nt (Yes/No)
R19PC1101	Generation and Measurement of High Voltages			
R19PC1102	Dielectrics and Insulation Engineering	YES		
R19PE1103A	Artificial Intelligence Techniques	YES		
R19PE1103B	HVDC Transmission	YES		
R19PE1103C	Breakdown Phenomenon in Electrical Insulation	YES		
R19PE1104A	High Voltage Power Apparatus and Diagnostics	YES		
R19PE1104B	Collision Phenomena in Plasma Science	YES		
R19PE1104C	Advanced Electro Magnetic Fields			YES
R191105	Research Methodology and IPR			YES
R191106	Simulation Laboratory – I			YES
R191107	High Voltage Laboratory			YES
R191108	Audit Course – I			
Total		06		04



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

Course wise Curriculum Analysis(R16)

Program Code: 08

Program Name: M.Tech - HIGH VOLTAGE ENGINEERING

Year: I

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R19PC1201	High Voltage Testing Techniques			
R19PC1202	Surge Phenomenon & Insulation Coordination			
R19PE1203A	Partial Discharge in HV Equipment			
R19PE1203B	Gas Insulated Systems and Substations	YES		
R19PE1203C	Pulse Power Engineering	YES		
R19PE1204A	Flexible AC Transmission Systems	YES		
R19PE1204B	EHVAC Transmission	YES		
R19PE1204C	Smart Grid Technologies	YES		
R191205	Simulation Laboratory – II	YES		
R191206	Power Systems Laboratory			YES
R191207	Mini Project with Seminar			YES
R191208	Audit Course – II		YES	
	Total	06	01	02



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis(R16)

Program Code: 08

Program Name: M.Tech -HIGH VOLTAGE ENGINEERING

Year:II

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
				YES
R19PE3101A	Reactive Power Compensation & Management.			
R19PE3101B	Hybrid electric Vehicles.			YES
R19PE3101C	Energy Auditing, Conservation and Management.			YES
R19PE3101D	Swayam Courses			YES
R19OE3101A	Renewable Energy Technologies.			YES
R19OE3101B	Smart Grid Technologies.			YES
R19OE3101C	Swayam Courses			
	Total			06

