




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		
02	B.TECH- EEE	09	02	20	85	36


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



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Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis (R16)

Program Code: 02

Program Name: B.Tech - EEE

Year: I

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16HS1101	English – I			
R16BS1102	Mathematics - I			
R16ES1103	Applied Chemistry			
R16BS1104	Engineering Mechanics			
R16BS1105	Computer Programming	YES		
R16ES1106	Environmental Studies			
R16HS1107	Applied Chemistry Laboratory			YES
R16BS1108	English- Communication Skills Laboratory - I			YES
R16ES1109	C Programming Laboratory			YES
	Total	1		03



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Course wise Curriculum Analysis (R16)

Program Code: 02

Program Name: B.Tech - EEE

Year: I

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16HS1201	English – II			
R16BS1202	Mathematics – II (Mathematical Methods)			
R16BS1203	Mathematics – III			
R16ES1204	Applied Physics			
R16EE1205	Electrical Circuit Analysis - I			
R16ES1206	Engineering Drawing			
R16BS1207	English - Communication Skills Laboratory - II			YES
R16HS1208	Applied Physics Laboratory			YES
R16ES1209	Applied Physics – Virtual Labs - Assignments			YES
R16ES1210	Engg. Workshop & IT Workshop			YES
	Total			4



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Course wise Curriculum Analysis (R16)

Program Code:02

Program Name:B.Tech -EEE

Year: II

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16EE2101	Electrical Circuit Analysis - II			
R16EE2102	Electrical Machines-I			
R16ES2103	Basic Electronics and Devices			
R16EE2104	Electro Magnetic Fields			
R16ES2105	Thermal and Hydro Prime movers			
R16HS2106	Managerial Economics & Financial Analysis	YES		
R16ES2107	Thermal and Hydro Laboratory			YES
R16EE2108	Electrical Circuits Laboratory			YES
	Total	01		02



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Course wise Curriculum Analysis (R16)

Program Code: 02

Program Name: B.Tech -EEE

Year: II

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R161-EE2201	Electrical Measurements			
R16EE2202	Electrical Machines-II			
R16ES2203	Switching Theory and Logic Design			
R16EE2204	Control Systems			
R16EE2205	Power Systems-I			
R16HS2206	Management Science			
R16EE2207	Electrical Machines -I Laboratory			YES
R16ES2208	Electronic Devices & Circuits Laboratory			YES
	Total			02



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Course wise Curriculum Analysis(R16)

Program Code:02

Program Name:B.Tech -EEE

Year: III

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16EE3101	Power Systems-II			
R16EE3102	Renewable Energy Sources		YES	
R16ES3103	Linear IC Applications			
R16ES3104	Pulse & Digital Circuits			
R16EE3105	Power Electronics			
R16EE3106	Electrical Machines-II Laboratory			YES
R16EE3107	Control Systems Laboratory			YES
R16EE3108	Electrical Measurements Laboratory			YES
R16MC3109	Professional Ethics & Human Values			
	Total		1	03



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Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis(R16)

Program Code:02

Program Name:B.Tech -EEE

Year: IV

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16EE4101	Utilization of Electrical Energy			
R16ES4102	Digital Signal Processing			
R16EE4103	Power System Operation & Control			
R16EE4104	Switch gear and Protection			
R16EL4105a	Electrical Machine Modeling and Analysis			
R16EL4105b	Advanced Control Systems			
R16EL4105c	Programmable Logic Controllers& Applications	YES		
R16EL4105d	Instrumentation			
R16EL4105e	Electrical Machine Design			
R16EL4106a	Optimization Techniques			
R16EL4106b	Neural Networks &Fuzzy Logic			
R16EL4106c	Special Electrical Machines			
R16EL4106d	Energy Auditing and Demand Side Management			
R16EL4106E1	Industrial Automation and Control	YES		
R16EL4106E2	Computer Organization and Architecture			
R16ES4107	DSP &Data Structures Laboratory			YES
R16EE4108	Power Systems Laboratory			YES
	Total	2		2



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Program Code: 02

Program Name: B.Tech EEE

Year: IV

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16EE4201	Digital Control Systems			
R16EE4202	HVDC Transmission			
R16EE4203	Electrical Distribution Systems			
R16EL4204a	High Voltage Engineering			
R16EL4204b	Flexible Alternating Current Transmission Systems			
R16EL4204c	.Power System Reforms.			
R16EL4204d	.Electric Power Quality			
R164205	Seminar			
R164206	Project	YES		
	TOTAL	01		