



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		
1A04	B.Tech – Electronics & Communication Engineering	20	14	23	70	82%
1D36	M.Tech – Computers & Communications Engineering	06	05	07	20	90%
1D14	M.Tech – Instrumentation & Control Engineering	03	08	07	20	90%

NW

Coordinator

NW
HOD 15/11/2022

Sundeth
REGISTRAR

J.N.T. University Kakinada
Kakinada-533003



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis (R19)

Program Code: 1D

Program Name: M.Tech – Computers & Communications Engineering

Year: 1

Semester: 1

Course code.	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
PC	Digital data communications			
PC	Digital system design		yes	
PE	1. Advanced computer Architecture 2. Information theory and coding Techniques 3. Data base management systems 4. Big data analytics	yes		
PE	1. Wireless communications and networks 2. Internet protocols 3. Image and video processing 4. Object Oriented programming	yes		
LC	Research methodology and IPR		yes	
LC	Digital data communications Lab			yes
PR	Digital system design Lab			yes
MC	Audit course-I		yes	



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Course wise Curriculum Analysis (R19)

Program Code: 1D

Program Name: M.Tech – Computers & Communications Engineering

Year: 1

Semester: 2

Course code.	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
PC	Optical communications and networks			
PC	Advanced Operating systems	yes		
PE	1. Advanced digital signal processing 2. Soft computing techniques 3. Artificial Intelligence 4. Internet of Things	yes		
PE	1. Advanced computer networks 2. Embedded system design 3. Radar signal processing 4. Network security and cryptography	yes		
LC	Advanced communications Lab			yes
LC	ERTOS Lab			yes
PR	Mini Project with Seminar			yes
MC	Audit Course – 2		yes	



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Program Code: 1D

Program Name: M.Tech – Computers & Communications Engineering

Year: 2

Semester: 1

Course code.	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
PE	1. Data Acquisition systems 2. Wireless sensor networks 3. Cyber security systems 4. Wireless LANs and PANs 5. MOOCs-1 (NPTEL/SWAYAM)	yes		
OE	1. Business Analytics 2. Industrial Safety 3. Operations Research 4. Cost Management of Engineering Projects 5. Composite Materials 6. Waste to Energy 7. MOOCs-2 (NPTEL/SWAYAM)-Any 12 Week Course on Engineering/ Management/ Mathematics offered by other than parent department		yes	
PR	Dissertation Phase -I /Industrial Project (to be continued and evaluated next semester)			yes



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Program Code: 1D

Program Name: M.Tech – Computers & Communications Engineering

Year: 2

Semester: 2

Course code.	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
PR	Project/ Dissertation Phase-II (continued from III semester)			yes


Coordinator

Chairman, Board of Studies