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		
D05	M.Tech – Computer Science and Engineering	4	5	8	17	85%
D22	M.Tech-IT	4	5	6	15	75%

Coordinator

Director / HoO

Head of the Department
Dept. of Computer Science & Engg.
University College of Engineer
JNT University, Kakinada - 533 003

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

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Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis (R19)

Program Code: D22   Program Name: M.Tech - **Information Technology**   Year: 1   **Semester: 1**

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R19MIT1151	**Program Core-1** Advanced Data Structures and Algorithms			
R19MIT1152	**Program Core-2** Full Stack Technologies	Yes		Yes
R19MIT1153	**Program Elective-1** 1. Advanced Graph Theory 2. Machine Learning with Python 3. Big Data Analytics			Yes
R19MIT1154	**Program Elective-2** 1. Data Mining and Knowledge Discovery 2. Cryptography & Network Security 3. Object Oriented Software Engineering			
R19MIT1155	**Research Methodology and IPR**		Yes	
R19MIT1156	**Laboratory-1** Advanced Data Structures and Algorithms Lab			Yes
R19MIT1157	**Laboartory-2** Full Stack Technologies Lab			Yes
R19MIT1158	**Audit Course-1** 1. English for Research Paper Writing 2. Disaster Management			

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	3. Sanskrit for Technical Knowledge 4. Value Education			
	Total	1	1	4

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Course wise Curriculum Analysis(R19)

Program Code: 33   Program Name: M.Tech - Information Technology   Year: 1   Semester: 2

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R19MIT1251	**Program Core-3** Data Science	Yes		Yes
R19MIT1252	**Program Core-4** Advanced Network Protocols			
R19MIT1253	**Program Elective-3** 1. High Performance Computing 2. Ad Hoc & Sensor Networks 3. Web Analytics and Development			
R19MIT1254	**Program Elective-4** 1. Cloud Computing 2. Internet of Things 3. GPU Computing	Yes		
R19MIT1255	**Laboratory-3** Data Science Lab		Yes	Yes
R19MIT1256	**Laboartory-4** Advanced Network Protocols Lab		Yes	Yes
R19MIT1257	**Mini Project with Seminar**			
R19MIT1258	**Audit Course-2** 1. Constitution of India 2. Pedagogy Studies 3. Stress Management by Yoga 4. Personality Development through Life Enlightenment Skills			
	Total	2	2	3

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Course wise Curriculum Analysis (R19)
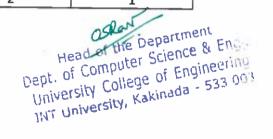
Program Code: 33   Program Name: M.Tech - Information Technology   Year: 2   Semester: 3

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R19MIT2351	**Program Elective-5** 1. Web of Things 2. Deep Learning 3. MOOCs-1 (NPTEL/SWAYAM)	Yes		
R19MIT2352	*Open Elective* 1. *MOOCs-2 (NPTEL/SWAYAM)-Any 12 Week Course on Engineering/ Management/ Mathematics offered by other than parent department* 2. *Course offered by other departments in the college*		Yes	
R19MIT2353	**Dissertation-I/ Industrial Project**		Yes	Yes
	Total	1	2	1

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Course wise Curriculum Analysis(R19)

Program Code: 33   Program Name: M.Tech - Information Technology   Year: 2   Semester: 4

Course code	Course name	Employability (Yes/No)	Entrepreneur ship (Yes/No)	Skill development (Yes/No)
R19MIT2451	Dissertation-II			Yes
				1

Coordinator

Chairman, Board of Studies/HOD

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