



**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 / Ho D

Head of the Department  
Dept. of Computer Science & Engineering  
University College of Engineering  
JNT University, Kakinada - 533003

  
**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: D05

Program Name: M.Tech - Computer Science and Engineering

Year: 1

Semester: 1

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R19MCS1151	<b>Program Core-1</b> Mathematical Foundations of Computer Science			
R19MCS1152	<b>Program Core-2</b> Advanced Data Structures & Algorithms	Yes		
R19MCS1153	<b>Program Elective-1</b> 1. Big Data Analytics 2. Digital Image Processing 3. Advanced Operating Systems			
R19MCS1154	<b>Program Elective-2</b> 1. Advanced Computer Networks 2. Internet of Things 3. Object Oriented Software Engineering			
R19MCS1155	<b>Research Methodology and IPR</b>		Yes	
R19MCS1156	<b>Laboratory-1</b> Advanced Data Structures & Algorithms Lab			Yes
R19MCS1157	<b>Laboratory-2</b> Advanced Computing Lab			Yes
R19MCS1158	<b>Audit Course-1</b> 1. English for Research Paper Writing 2. Disaster Management 3. Sanskrit for Technical Knowledge 4. Value Education			
<b>Total</b>		<b>1</b>	<b>1</b>	<b>2</b>



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**Course wise Curriculum Analysis(R19)**

Program Code: D05    Program Name: M.Tech - Computer Science and Engineering

Year: 1

Semester: 2

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R19MCS1251	<b>Program Core-3</b> Machine learning	Yes	Yes	Yes
R19MCS1252	<b>Program Core-4</b> MEAN Stack Technologies	Yes	yes	Yes
R19MCS1253	<b>Program Elective-3</b> 1. Advanced Databases and Mining 2. Ad Hoc & Sensor Networks 3. Soft Computing			
R19MCS1254	<b>Program Elective-4</b> 1. Cloud Computing 2. Principles of computer security 3. High Performance Computing			
R19MCS1255	<b>Laboratory-3</b> Machine Learning with python lab			Yes
R19MCS1256	<b>Laboartory-4</b> MEAN Stack Technologies Lab			Yes
R19MCS1257	<b>Mini Project with Seminar</b>			
R19MCS1258	<b>Audit Course-2</b> 1. Constitution of India 2. Pedagogy Studies 3. Stress Management by Yoga 4. Personality Development through Life Enlightenment Skills			
<b>Total</b>		2	2	4

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**Course wise Curriculum Analysis(R19)**

Program Code: D05

Program Name: M.Tech - Computer Science and Engineering

Year: 2

Semester: 3

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R19MCS2351	<b>Program Elective-5</b> 1. Deep Learning 2. Social Network Analysis 3. MOOCs-1 (NPTEL/SWAYAM)	Yes		
R19MCS2352	<b>Open Elective</b> 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	
R19MCS2353	<b>Dissertation-I/ Industrial Project</b>		Yes	Yes
<b>Total</b>		<b>1</b>	<b>2</b>	<b>1</b>

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**Course wise Curriculum Analysis(R19)**

Program Code: D05


Program Name: M.Tech - Computer Science and Engineering

Year: 2

Semester: 4

Course code	Course name	Employability (Yes/No)	Entrepreneur ship (Yes/No)	Skill development (Yes/No)
R19MCS2451	Dissertation-II			Yes
				1

Coordinator

  
Chairman, Board of Studies/HOD  
Head of the Department  
Dept. of Computer Science &  
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