




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		
D26	M.Tech – CYBER SECURITY	6	2	10	25	72%


Coordinator


HOD
Head of the Department
Dept. of Computer Science & Engg.
University College of Engineering
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 (R16))

Program Code: D26

Program Name: M.Tech - CYBER SECURITY

Year: 1

Semester: 1

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16MCY1101	APPLIED CRYPTOGRAPHY			
R16MCY1102	OPERATING SYSTEMS: ADMINISTRATION AND SECURITY	YES		
R16MCY1103	INFORMATION SECURITY MANAGEMENT			
R16MCY1104	TRANSMISSION CONTROL PROTOCOL/INTERNET PROTOCOL			
R16MCY1105a	BIOMETRIC SECURITY			
R16MCY1105b	WEB SECURITY			
R16MCY1105c	SOFTWARE VULNERABILITY ANALYSIS			YES
R16MCY1106	CRYPTOGRAPHY AND SECURITY LAB			YES
R16MCY1107	INFORMATION SECURITY MANAGEMENT LAB			YES
R16MCY1108	MINI PROJECT -1			
Total		1		3

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Program Code: D26

Program Name: M.Tech - CYBER SECURITY

Year: 1

Semester: 2

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16MCY1201	PRINCIPLES OF SECURE CODING			
R16MCY1202	CYBER CRIME INVESTIGATIONS AND DIGITAL FORENSICS	YES		
R16MCY1203	CLOUD ARCHITECTURES AND SECURITY	YES		
R16MCY1204	ETHICAL HACKING			
R16MCY1205a	PENETRATION TESTING AND VULNERABILITY ASSESSMENT.			
R16MCY1205b	CYBER LAWS AND SECURITY POLICIES	YES		
R16MCY1205c	MALWARE ANALYSIS			
R16MCY1206	DIGITAL FORENSICS LAB			YES
R16MCY1207	ETHICAL HACHING LAB			YES
R16MCY1208	MINI PROJECT - 2	YES		
	Total	4		4

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Program Code: D26

Program Name: M.Tech - CYBER SECURITY

Year: 2

Semester: 3

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16MCY2101	COMPREHENSIVE VIVA	Yes		
R16MCY2102	SEMINAR-I		Yes	
R16MCY2103	THESIS WORK PART – I		Yes	Yes
Total		1	2	1

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Course wise Curriculum Analysis(R16)

Program Code: D26

Program Name: M.Tech - CYBER SECURITY

Year: 2

Semester: 4

Course code	Course name	Employability (Yes/No)	Entrepreneur ship (Yes/No)	Skill development (Yes/No)
R16MCY2201	SEMINAR-II			Yes
R16MCY2202	THESIS WORK PART – II			YES
				2

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