



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
Kakinada-533003, Andhra Pradesh (India)

Program wise Curriculum Analysis of (R13)

Program Code	Program Name	No of Courses having focus on			Total Courses	Percentage
		Employability	Entrepreneurship	Skill development		
05	B.TECH-CSE	15	7	25	85	19

NM
Coordinator

OSR
HOD/Director

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University College of Engineering
JNT University, Kakinada - 533 003

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



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Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis(R13)

Program Code: 05

Program Name: B.Tech -CSE

Year: I

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R13CS111	English -- I			
R13CS112	Mathematics - I			
R13CS113	Engineering physics			
R13CS114	Mathematics - II			
R13CS115	Professional ethics and human values			
R13CS116	Engineering Drawing			
R13CS117	engineering physics lab			YES
R13CS118	English - Communication Skills Lab I			YES
R13CS118	engineering physics lab			YES
R13CS119	engineering workshop & IT workshop			YES
	Total			4

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Course wise Curriculum Analysis(R13)

Program Code: 05

Program Name: B.Tech - CSE

Year: I

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R13CS121	English – II			
R13CS122	Mathematics - II			
R13CS123	Engineering chemistry			
R13CS124	Computer Programming using C	YES		
R13CS125	Environmental Studies			
R13CS126	engineering mechanics			
R13CS127	engineering chemistry lab			Yes
R13CS128	English Communication Skills Lab II			Yes
R13CS129	computer programming lab			Yes
	Total	1		3

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Program Code: 05

Program Name: B.Tech -CSE

Year: II

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R13CS211	material economics and financial analysis	Yes		
R13CS212	Object Oriented Programming Through C++		YES	
R13CS213	Mathematical foundations of Computer Science			
R13CS214	Digital Logic Design	YES		
R13CS215	Data Structures			
R13CS216	Object Oriented Programming Lab			YES
R13CS217	Data Structures Lab			Yes
R13CS218	Digital Logic Design lab			Yes
Total		2	1	3

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Program Code: 05

Program Name: B.Tech - CSE

Year: II

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R13CS221	Probability and Statistics		YES	
R13CS222	Java Programming	YES		
R13CS223	Advanced Data Structures			
R13CS224	Computer Organization		YES	
R13CS225	Formal Languages and Automata theory			
R13CS226	Advanced Data Structures Lab	YES		Yes
R13CS227	Java Programming			Yes
R13CS228	free open source software lab			Yes
	Total	2	2	3

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Course wise Curriculum Analysis(R13)

Program Code: 05

Program Name: B.Tech - CSE

Year: III

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R13CS311	Compiler Design		Yes	
R13CS311	data communications		Yes	
R13CS313	Principles of Programming Languages			Yes
R13CS314	Database Management Systems			Yes
R13CS315	Operating Systems	Yes		
R13CS316	Compiler Design Lab			Yes
R13CS317	Operating System lab			Yes
R13CS318	Database Management Systems Lab			Yes
R13CS319	Linux Programming Lab			Yes
R13CS3111	IPR & Patenting			Yes
R13CS3112	Seminar			Yes
	Total	01	02	8

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Course wise Curriculum Analysis(R13)

Program Code: 05

Program Name: B.Tech - CSE

Year: III

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R13CS321	Computer Networks	YES		
R13CS322	Data Warehousing and Mining			
R13CS323	Design and Analysis of Algorithms			
R13CS324	Software Engineering		YES	
R13CS325	Web Technologies			
R13CS326	Computer Networks & network programming lab			
R13CS327	Software Engineering lab			
R13CS328	Web Technologies lab			
R13CS321	Computer Networks			
R13CS322	Data Warehousing and Mining			
R13CS323	Design and Analysis of Algorithms			YES
R13CS324	Software Engineering			YES
R13CS325	Web Technologies			YES
Total		1	1	3

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Course wise Curriculum Analysis(R13)


Program Code: 05

Program Name: B.Tech - CSE

Year: IV

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R13CS411	Cryptography and Network Security	YES		
R13CS412	UML & Design patterns			
R13CS413	MOBILE COMPUTING			
R13CS414OEA	simulation modeling	YES		
R13CS414OEB	data forensics		YES	
R13CS414OEC	human computer iteration			
R13CS414OED	microprocessors and multicore systems			
R13CS414OEE	digital image processing			
R13CS415A	elective-I Software Testing Methodologies	YES		
R13CS415B	Artificial Neural Networks			
R13CS415C	multimedia computing			
R13CS415D	big data analysis	YES		
R13CS415E	software project management			
R13CS415F	information retrieval system			YES
R13CS416	UML & Design patterns			YES
Total		4	1	2


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Course wise Curriculum Analysis(R13)

Program Code: 05

Program Name : CSE

Year: IV

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R13CS421	Distributed Systems	YES		
R13CS422A	High Performance Computing	YES		
R13CS422B	machine learning	YES		
R13CS422C	advanced data base			
R13CS422D	Pattern recognition	YES		
R13CS423A	mobile adhoc&sensor networks			
R13CS423B	embedded real time systems			
R13CS423C	Neural Networks and Soft Computing			YES
R13CS423D	social networks and the semantic web			YES
	TOTAL	4		2

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