Program wise Curriculum Analysis of (R16)

Program Code	Program Name	No of Courses having focus on			Total Courses	Percentage
		Employability	Entrepreneurship	Skill development		
021D14	**M.TECH-** Instrumentation & Control Engineering	12	5	6	28	83

Coordinator

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

Course wise Curriculum Analysis(R16)

Program Code: Program Name: M.Tech – - Instrumentation & Control Engineering   Year: I

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16CC101	Transducers and Sensors			
R16CC102	Digital Control Systems		yes	
R16CC103	Fiber Optic Sensors and Devices		yes	
R16CC104	Digital System Design		yes	
R16CC105a	Adaptive Control Systems	yes		
R16CC105b	Soft Computing Techniques	yes		
R16CC105c	Cyber Security			
R16CC105d	Object Oriented Programming	yes		
R16CC106a	Fuzzy Based Control Systems	yes		
R16CC106b	VLSI Technology and Design		yes	
R16CC106c	Advanced Digital Signal Processing	Yes		
R16CC107	Transducers & Instrumentation Lab			
	Total	5	4	1

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Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis(R16)

Program Code: Program Name: M.Tech - - Instrumentation & Control Engineering   Year: I

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16CC201	Data Acquisition Systems	yes		
R16CC202	Bio-Medical Instrumentation		yes	
R16CC203	Process Control Instrumentation			
R16CC204	Embedded System Design	Yes		
R16CC205a	Non Linear and Optimal Control Systems	Yes		
R16CC205b	PC Based Instrumentation			
R16CC205c	DSP Processors & Architecture	yes		
R16CC206a	EMI / EMC	yes		
R16CC206b	Control and guidance systems	Yes		
R16CC206c	Analytical Instrumentation	yes		
R16CC207	Process Control Instrumentation Lab			
Total		7	1	1

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

Course wise Curriculum Analysis(R16)

Program Code:　　　　Program Name: M.Tech -- Instrumentation & Control Engineering　　　　Year:II

Semester: I

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
R16CC301	Comprehensive Viva-Voce			
R16CC302	Seminar – I			
R16CC303	Project Work Part – I			yes
				YES
	Total	0	0	2

Course wise Curriculum Analysis (R16)

Program Code: Program Name: M.Tech -- Instrumentation & Control Engineering   Year: II

Semester: II

Course code	Course name	Employability (Yes/No)	Entrepreneur ship (Yes/No)	Skill development (Yes/No)
R16CC401	Seminar – II			Yes
R16CC402	Project Work Part - II			yes
		0	0	2