



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		
97	M.Tech – Avionics	6	1	7	14	70%

NLD
Coordinator

[Signature]
HOD
Head of the Department
School of AVIONICS
Institute of Science and Technology
Jawaharlal Nehru Technological University Kakinada
KAKINADA-533 003,(A.P) India

[Signature]
REGISTRAR
J.N.T. University Kakinada
Kakinada-533003



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Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis (R19)


Program Code: 97

Program Name: M.Tech - Avionics

Year: 1

Semester: 1

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
Core-1	Flight Mechanics			
Core-2	Avionics Systems	yes		
Elective-1	1. Flight Instrumentation 2. Advanced Image Processing 3. Missile And Space Vehicle Dynamics	Yes		
Elective-2	1. Aircraft Communication Systems 2. Cyber Security 3. Network Centric Warfare			
Core	Research Methodology and IPR		Yes	
Lab-1	Avionics Engineering Lab			Yes
Lab-2	Flight Instrumentation and Communication Lab			Yes
Audit -1	Audit Course -1			
	Total	2	1	2


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Course wise Curriculum Analysis (R19)


Program Code: 97

Program Name: M.Tech - Avionics

Year: 1

Semester: 2

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
Core-3	Flight Control Systems			
Core-4	Aircraft Navigation Systems	Yes		
Elective-3	1. Avionics Embedded Systems 2. Avionics Network Technology 3. Multi Sensor Data Fusion	Yes		
Elective-4	1. Aircraft Utility Systems 2. Embedded Robotics 3. Missile and Space Vehicle Guidance and Control	Yes		
Lab-3	Control ,Guidance and Navigation Lab			yes
Lab-4	Avionics Embedded Systems Lab			yes
Core	Mini Project with Seminar			yes
Audit -2	Audit Course -1			
Total		3		3


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Course wise Curriculum Analysis (R19)


Program Code: 97

Program Name: M.Tech - Avionics

Year: 2

Semester: 3

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
Elective-V	1.ADA 95 2.Aerospace Electromagnetic Compatibility 3.Unmanned Aircraft Systems	Yes		
Open Elective	1. Business Analytics 2. Industrial Safety 3. Operations Research 4. Cost Management of Engineering Projects 5. Composite Materials 6. Waste to Energy			
Dissertation	Dissertation Phase-I / Industrial Project (To be continued and Evaluated next Semester)*			Yes
Total		1		1


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Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis (R19)

Program Code: 97


Program Name: M.Tech - Avionics

Year: 2

Semester: 4

Course code	Course name	Employability (Yes/No)	Entrepreneur ship (Yes/No)	Skill development (Yes/No)
Dissertation	Dissertation Phase II (Continued from III semester)			Yes
	TOTAL			1


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