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		
33	M.Tech – Remote Sensing	3	2	6	11	55%

Coordinator

Chairman, Board of Studies

Course wise Curriculum Analysis (R19)

Program Code: 33   Program Name: M.Tech - Remote Sensing   Year: 1   Semester: 1

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
Core-1	Remote Sensing			
Core-2	Geographical Information Systems			
Elective-1	a) Photogrammetry b) Earth Systems c) Water Resources Management			
Elective-2	a) Object Oriented programming b) Principles of Geodatabase c) Geo-Statistical Methods			
Core	Research Methodology and IPR		Yes	
Lab-1	Remote Sensing Laboratory			Yes
Lab-2	Geographical Information Systems Laboratory			Yes
Audit –1	Audit Course –1			
	Total		1	2

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Course wise Curriculum Analysis (R19)

Program Code: 33   **Program Name: M.Tech - Remote Sensing**   **Year: 1**   **Semester: 2**

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
Core-3	RS & GIS Applications in Earth Sciences	Yes		
Core-4	Satellite Image Processing			
Elective-3	a) Global Navigational Satellite System b) Geospatial Data Processing and Modeling c) Climate Systems			
Elective-4	a) Advanced Remote Sensing b) Web & Mobile GIS c) Geo-Spatial applications for Coastal Zone Management	Yes		
Lab-3	Satellite Image Processing Laboratory			Yes
Lab-4	GeoSpatial Simulation Laboratory			Yes
Core	Mini Project with Seminar			
Audit –2	Audit Course-2			
	Total	2		2

Course wise Curriculum Analysis (R19)

Program Code: 33   Program Name: M.Tech - Remote Sensing   Year: 2   Semester: 3

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
Elective-V	a) MOOCS b) Soft Computing Techniques c) Environmental Impact Assessment and Management using RS & GIS d) Urban & Regional Planning using Geospatial technologies	Yes		
Open Elective	a) MOOCS b) Fundamentals of Remote Sensing & GIS c) Application of Remote Sensing in Environmental Management d) Internet of Things e) Business Analytics f) Industrial Safety g) Operations Research h) Cost Management of Engineering Projects i) Composite Materials j) Waste to Energy		Yes	
Dissertation	Dissertation Phase-I / Industrial Project (To be continued and Evaluated next Semester)*			Yes
	Total	1	1	

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Course wise Curriculum Analysis (R19)

Program Code: 33   Program Name: M.Tech - Remote Sensing   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

Coordinator

Chairman, Board of Studies

Dr. K. Padma Kumari
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