



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' ♦ Approved by AICTE ♦ ISO 21001:2018 Certified

Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

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DEPARTMENT OF CIVIL Engineering

Program: M. Tech (Geo Informatics)

Academic Year 2019-2020

Course Code	Course Name	Description of Course Outcome
18CE5109	Fundamentals of Geospatial Technology	Understanding the fundamentals of geospatial technology
		Understanding about physics of remote sensing
		Understanding about remote sensing platforms and sensors
		Understanding about Visual Image Interpretation and Image Analysis
18CE5110	Geographical Information System	Understanding about the Geographical information system
		Understanding about GIS data management
		Understanding about the GIS data input and data editing
		Understanding about data quality of GIS
		Report preparation on GIS
18CE5111	Advanced Computer Programming & Statistics	Understanding about the Computer basics and Arithmetic operators
		Understanding about the Constructors
		Understanding about the Concept of Random variables
		Understanding about the Concept of testing of hypothesis critical region
18CE5112	Photogrammetry	Knowing and Understanding about basic concept of Photogrammetry
		Understanding about the Stereo Photogrammetry
		Understanding about the control for Arial photography
		Understanding about the aerial triangulation
18CE51E1	Principles of Earth & Environment Sciences	Knowing and understanding the Fundamentals of Earth Sciences
		Knowing and understanding the Fundamentals of Geomorphology
		Understanding about the Scope of ecology in environmental management
		Understanding about the Structure and Function of Ecosystem
18CE51F2	Environmental Geoinformatics	Knowing and understanding about Fundamentals & Management
		Understanding about the Rain Water-Harvesting Methods
		Understanding the concept of Wetlands
		Understanding the concept of watershed
18CE5213	Digital Image	Knowing and understanding about data base management systems
		Understanding about database design & data queries

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HEAD

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	Processing	Understanding about forms, reports and applications of Digital Image Processing
		Understanding the concept of data base administration
18CE5214	GIS Data Analysis and Modelling	Understanding the concept of topographical surveying
		Understanding the concept of Advanced Surveying
		Knowing and understanding about Topographical Surveying
		Understanding the Project Planning concept
18CE5215	Geodesy and GPS	Understanding the fundamental of geodesy and GPS
		Understand the concept of computation or ellipsoid
		Knowing and understanding the concept of global positioning system (GPS)
		Knowing and understand about GPS Mathematical and GPS application
18CE5216	Geospatial Applications	Knowing about Plant Sciences .
		Knowing about Earth Sciences and Hydrosphere Sciences
		Understand the concept of Land Use and Land Cover
		Understand the concept of Global Remote Sensing
18CE52G3	Engineering Survey Methodology and Instrumentation	Understand the fundamentals of engineering drawing
		Knowing about techniques of depth sounding and ranging
		Understand the concept of Digital Elevation Models
		Knowing about Electronic theodolites and levels and their applications
18CE52H4	Urban Water Management using Geomatics	knowing and understanding about the urbanization and its effect on water cycle
		Knowing and understand about Master drainage plans
		Understand about Elements of drainage systems
		Knowing and understand about Best Management Practices


Academic Professor I/C


HOD - CE

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