Sree Vidyanikethan Engineering College
(Autonomous)
Department of Civil Engineering

In Collaboration With

IIT Tirupati Navavishkar I-Hub Foundation
Website: https://iittnif.com/

IIT Tirupati Navavishkār I-Hub Foundation

Technology Innovation Hub In Positioning and Precision Technology

Jointly Organizing

Five Day Hands-On Training Program on Remote Sensing and GIS Using Open-Source Software

📅 **30th May - 3rd June 2022**

Dr Suresh D,

Areas of Specialization:
- Remote Sensing
- Disaster Management
- Open-Source GIS Tools

Experience: 7+ years (Academia and Industry)

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30th May to 3rd June, 2022

EVENT SCHEDULE

Session Details	Timing	Session Details	Timing
Day 1: FN		**Day 3: FN**	
Inauguration	09:45 - 10:45	Land Use Land Cover Preparation	09:45 - 10:30
Role of GIS and Remote Sensing-A Bird's Eye View-Dr.Roshan Srivastav, IIT Tirupati	10:45 - 12:45	Applications of GIS (Estimation of Cut and Fill Quantity)	10:30 - 11:15
		Introduction to Python	11:15 - 12:00
Day 1: AN		Introduction to GIS Packages in Python	12:00 - 12:45
Introduction to GIS and Remote Sensing	14:00 - 15:00	**Day 3: AN**	
Installation of QGIS	15:00 - 15:15	Importing Raster and Vector data in Python	14:00 - 15:00
Getting Familiarized with QGIS tools	15:15 - 16:15	Preparation of LULC in Python	15:00 - 16:30
Displaying Vector and Raster Data in QGIS	16:15 - 16:30	Q&A session	16:30 - 16:45
Q&A session	16:30 - 16:45	Evaluation Session	16:45 - 17:00
Evaluation Session	16:45 - 17:00	**Day 4: FN**	
Day 2: FN		Evaluating the idea of the students and Project Selection	09:45 - 10:30
Projections	09:45 - 10:30	Execution of the Project work	10:30 - 12:45
Creating and modifying Shape Files	10:30 - 11:15	**Day 4: AN**	
Symbology – Point, Line, Polygon	11:15 - 12:00	Execution of the Project work and Report Preparation	14:00 - 16:30
Labeling and Selecting Features	12:00 - 12:15	Evaluation Session	16:30 - 17:00
Map Composition	12:15 - 12:45	**Day 5: FN**	
Day 2: AN		Project Presentation by Students	09:45 - 12:45
Georeferencing	14:00 - 15:00	**Day 5: AN**	
Terrain Analysis	15:00 - 15:45	Valedictory	14:00 - 17:00
NDVI Generation	15:45 - 16:00		
Watershed Analysis	16:00 - 16:30		
Q&A session	16:30 - 16:45		
Evaluation Session	16:45 - 17:00		