Jawaharlal Nehru Technological University Kakinada,

Kakinada-533003, Andhra Pradesh, INDIA.

Institute of Science & Technology
School of Spatial Information Technology

Curriculum Analysis for BOS - M.Tech – Remote Sensing - R19

Alumni Feedback – Suggestions Received:

- More encouragement should be provided to the students enthusiastic for research and development in Remote sensing and GIS.
- Need some Programing related topics for GIS in theory & Practical
- please provide multiple software in lab to design projects rather than giving those 2 software i.e Arch GIS, ERIDOC

Student Feedback – Suggestions Received:

- Advance software tools : Google Earth Engine is suggested.
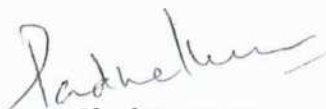- Python Scripting is suggested.

Faculty Feedback – Suggestions received:

- Topics in Digital Image Processing need to be updated with respect to remote sensing and image analysis.
- Open source software's such as Python, SNAP, QGIS can be considered.
- Water resource management topic needs to be include in the syllabus.
- Geological time scale topic in the Earth science subject suggested to be deleted.
- New subject – climate systems proposed for addition into the new syllabus.
- Additions Lidar remote sensing and UAV topics in the subject Advanced Remote Sensing is suggested.
- Some repeated topics in the current syllabus suggested to be deleted.

Industry Feedback – Suggestions received:

- Topics related to Change detection of various Anthropogenic activities using RS & GIS for sustainable development is suggested.
- New course for Analysis of Big Data and Climate Change adoption using Spatial technology is suggested.

Chairperson
Board of Studies

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Action Taken over the suggestions received:

1. R programming is introduced in the course "Geosatistical methods"

2. Open Source software such as QGIS & R are added to curriculam.

3. Python scripting experiments are added in "GeoSpatial Simulation Laboratory".

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