

## **MOTHER TERESA**

## INSTITUTE OF SCIENCE AND TECHNOLOGY

Approved by AICTE, Govt. of Telangana, Affiliated to JNTUH & SBTET, Hyderabad Recognition under Section 2(f) & 12 (B) of the UGC Act, 1956 SANKETIKA NAGAR, KOTHURU (V), SATHUPALLY – 507303, KHAMMAM Dist., TELANGANA

Phone: 9494641251, Email ID: info@mistech.ac.in



# DEPARTMENT OF CIVIL ENGINEERING ACADEMIC YEAR: 2021-22 A SUMMARY REPORT

**Course Name: REMOTE SENSING & GIS** 

Name of the Resource Person: Mr.S.Avinash, GNSS Manager, Dream TNS INDIA Pvt. Ltd,

Hyderabad.

**Gap Identified:** GIS using in Application to hydrology and water resources

No. of Students attended: 45 members

**Summary:** On the day of the session (i.e 26-10-2021) Mr. S. Avinash, GNSS Manager, Dream TNS INDIA Pvt. Ltd, Hyderabad. Delivered a lecture on the basics of Introduction to the course of Through GIS, studies on a slope, drainage features, and land utilization patterns can be used to predict whether the water in a given area is safe. Due to the ability of GIS to handle large amounts of data sets, sample data can be processed, stored as well as reports generated. Remote sensing provides critical data sources for mapping water resources and changes, while GIS provides the best tool for water resource and flood risk management, presentation, visualization and publication education.

List of Uses of GIS in Water Resources

- 1. Storage and management of geospatial data
- 2. Hydrologic management
- 3. Modeling of groundwater
- 4. Quality analysis of water

- 5. Water supply management
- 6. Sewer system management
- 7. Storm water control and Floods disaster managemen





#### **Head of the Department**

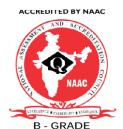


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Dt: 26-10-2021.

To Mr. S. Avinash, GNSS Manager, Dream TNS INDIA Pvt. Ltd, Hyderabad.

Sub: Letter of Appreciation-Reg.

#### Dear Sir,

We would like to thank you for being delivered the keynote lecture on "GIS using in Application to hydrology and water resources." on 26<sup>th</sup> OCT, 2021. For a Programme on "REMOTE SENSING & GIS" organized by Department of Civil Engineering Conducted at Mother Teresa Institute of Science and Technology. Your views on new research areas in Civil Engineering and assessing the outgrowing needs in a competitive challenging environment helps the students to explore the industrial challenges.

Thanking you

(Dr. C. Hari Krishna) Principal