



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

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| 1. Storage and management of geospatial data | 5. Water supply management |
| 2. Hydrologic management | 6. Sewer system management |
| 3. Modeling of groundwater | 7. Storm water control and Floods disaster managemen |
| 4. Quality analysis of water | |



Coordinator

Head of the Department



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
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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 26th 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

With Regards

(Dr. C. Hari Krishna)
Principal