



# MOTHER TERESA

## INSTITUTE OF SCIENCE AND TECHNOLOGY

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### DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR: 2019-20

### 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:** Applications & Uses of GIS

**No. of Students attended:** 25 members

**Summary:** On the first day of the session (i.e 12-11-2019) Mr.S.Avinash, GNSS Manager Dream TNS INDIA Pvt. Ltd, Hyderabad delivered a lecture on the basics of Introduction to the course to Applications of GIS:

Geographic Information Systems is a vast field in Information Technology and, like any other booming technology, also has various applications in multiple domains. GIS is used to create awareness and to share knowledge regarding the environment, natural resources, potential disasters and risks and planned urban routes. Organizations like ESRI, Here Maps, and Leidos group are working on various models concerning natural resources, advanced driving systems, and even defense systems of the nations. Applications of GIS allow people and organizations to do geological observations and analyze the spatial data in a granular format. GIS applications include both hardware and software systems. These applications may include cartographic data, photographic data, digital data, or data in spreadsheets. Cartographic data are already in map form, and may include such information as the location of rivers, roads, hills, and valleys



A geographic information system (GIS) is a computer system for capturing, storing, checking, and displaying data related to positions on Earth's surface. By relating seemingly unrelated data, GIS can help individuals and organizations better understand spatial patterns and relationships.