

Department of Electronics & Communication Engineering

DATE: 16.09.2025

Submitted,

Sub: REPORT ON "APPLICATIONS OF REMOTE SENSING" - reg

With reference to the above subject, We Dept. of Electronics & Communication Engineering, Sri Sairam College of Engineering, Anekal, Bengaluru organized a Workshop on "Applications of Remote Sensing" on 16th September 2025.



SRI SAI RAM
COLLEGE OF ENGINEERING
Anekal, Bengaluru. www.sairamce.edu.in

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Department of Electronics & Communication Engineering
In Association with IEEE Communication Society
Organizing Workshop on

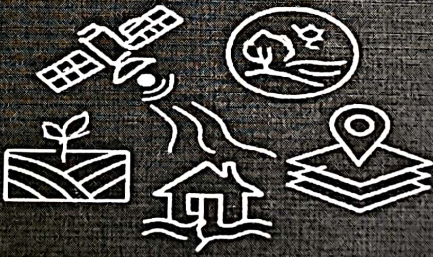
Applications of Remote Sensing

Date: 16th September, 2025
Time: 11:00 am

Resource Person



Mrs. Aruna R
Assistant Professor, SKIT















Mrs. Savitha H S
Coordinators

Dr. A. Poonguzhali
HOD, ECE

Dr. B. Shadaksharappa
Principal

Dr. Sal Prakash LeoMuthu
Chairman & CEO
Sairam Institutions



The Workshop was started at 11 AM in AV Hall.. Dr. A. Poonguzhali, HOD, Dept. of ECE, delivered welcome address and introduced the Resource Person Mrs. Aruna R, Assistant Professor, SKIT, Bangalore

Resource person **Mrs. Aruna R** has delivered a presentation on Applications of remote sensing. Explained about remote sensing.

- Definition – Technique of collecting information about Earth's surface without physical contact, using satellites or aircraft.
- Principle – Based on detection of reflected/emitted electromagnetic radiation.
- Types – Passive (sunlight-based) and Active (own energy source like RADAR, LiDAR).
- Applications – Agriculture, forestry, weather, oceanography, disaster management, environment monitoring.
- Advantages – Large area coverage, repetitive data, access to remote/difficult areas.

Also explained applications of remote sensing

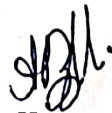
- Agriculture – Crop monitoring, yield estimation, soil moisture detection.
- Forestry – Mapping forests, detecting deforestation, forest health monitoring.
- Geology – Mineral exploration, mapping landforms, studying earthquakes and volcanoes.
- Oceanography – Monitoring sea surface temperature, currents, tides, and coastal changes.
- Meteorology – Weather forecasting, cloud mapping, cyclone tracking.
- Disaster Management – Flood mapping, drought assessment, earthquake damage detection.
- Urban Planning – Land use/land cover mapping, city growth monitoring.
- Environmental Studies – Pollution monitoring, biodiversity conservation, climate change studies.

The participants 4th year A and B section students interacted with resource person shared their views and got their doubts clarified.

Prof. Savitha H S delivered vote of thanks. The workshop also supporting "Sustainable Development Goals'-Goal 4 Quality Education.


Program Coordinator


6/10/2023


HOD

Department of Electronics & Communication Engineering

