



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. KAVITA SINGH	Department:	Civil Engineering
Regulation:	IARE - R20	Batch:	2021-2025
Course Name:	Remote Sensing and GIS	Course Code:	ACEC17
Semester:	V	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Recall the importance of aerial photogrammetry, flight planning and Stereoscopy for preparing 3D geographical maps	1.60	2.20	1.7	Not Attained
CO2 Relate the fundamentals of stereoscopy concept for adding third coordinate to the image pair	1.60	2.30	1.7	Not Attained
CO3 Interpret the electromagnetic spectrum, remote sensing data acquisition on platforms and sensors for studying energy interactions with earth surface and atmosphere and to provide base maps.	1.60	2.20	1.7	Not Attained
CO4 List the basic components and data input to GIS for collecting GIS data using appropriate data collection technique	1.60	2.30	1.7	Not Attained
CO5 Summarize the data base management systems for storing and managing GIS data using suitable data management system	0.90	2.20	1.2	Not Attained
CO6 Utilize the GIS and remote sensing data for assessing the water resources applications	0.90	2.30	1.2	Not Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

- CO1: Conduct workshops on aerial photogrammetry, flight planning, and Stereoscopy techniques for 3D map preparation.
- CO2: conduct Guest lectures on Stereoscopy Fundamentals: Hands-on training integrating third coordinate addition to image pairs for enhanced understanding.
- CO3: Conducting seminars on interpreting electromagnetic spectrum, remote sensing, and mapping techniques for better understanding and application by students.
- CO4: Conduct hands-on workshops with real-world data sets, invite industry experts for lectures, and organize field trips to GIS facilities.
- CO5: Expert lectures by industry professionals on GIS data management systems to deepen understanding and practical application skills.
- CO6: Workshop on GIS and remote sensing applications in water resource assessment with real-world case studies.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Civil Engineering
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