



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## CIVIL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. M MAHESWARA RAO	Department:	Civil Engineering
Regulation:	IARE - BT23	Batch:	2023-2027
Course Name:	Engineering Surveying	Course Code:	ACED02
Semester:	III	Target Value:	60% (1.8)

#### Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	List the needs for accurate and thorough note taking field work in serving as a legal record.	3.00	2.30	2.9	Attained
CO2	Illustrate the various methods of setting out curves in tracing alignment and path at suitable locations	0.60	2.30	0.9	Not Attained
CO3	Demonstrate different types of digital instruments used in surveying for accurate measurement and data record keeping	1.20	2.30	1.4	Not Attained
CO4	Explain the practical application on total station using the principle of Electronic Distance Measurement for minimizing local errors	2.40	2.30	2.4	Attained
CO5	Make use of Recall the importance of terrestrial photogrammetry, flight planning and Stereoscopy for preparing 3D geographical maps.	2.40	2.30	2.4	Attained
CO6	Analyze remote sensing data acquisition on platforms and sensors using satellite images in providing base maps for graphical reference in real time.	3.00	2.30	2.9	Attained

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

CO2: Assigned numerical problem sets covering curve geometry, tangent lengths, external distances, and setting-out data to enhance computational accuracy.

CO3: Provided field exercises involving real-time surveying tasks to familiarize students with modern digital tools and techniques.

Course Coordinator

Mentor

Head of the Department

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