



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. M MADHUSUDHAN REDDY	Department:	Civil Engineering
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Foundation Engineering	Course Code:	ACEC35
Semester:	VII	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Select comprehensive soil exploration and sampling utilizing various methods, resulting in accurate soil characterization for informed engineering decision-making.	2.00	2.20	2	Attained
CO2 Analyze the stability of infinite and finite earth slopes using various methods ensuring the determination of appropriate factor of safety and effective slope stability measures.	0.60	2.20	0.9	Not Attained
CO3 Utilize theoretical principles and analytical methods to proficiently analyze and design retaining walls	1.60	2.20	1.7	Not Attained
CO4 Apply sound engineering principles to design and analyze shallow and deep foundations.	1.60	2.20	1.7	Not Attained
CO5 Apply comprehensive knowledge of pile foundations to design and analyze shallow and deep foundations.	1.60	2.20	1.7	Not Attained
CO6 Apply principles of analysis and design to expertly build wells of various shapes, integrating components, and adhering to IRC guidelines.	0.90	2.20	1.2	Not Attained

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

CO2: Organized discussions on critical topics such as the impact of climate change on slope stability, new materials and technologies for slope reinforcement.

CO3: Guest lectures can be conducted on analytical methods to proficiently analyze and design retaining walls


CO4: Arranging Industrial visits to active construction sites where shallow or deep foundations are being installed.

CO5: Conducting seminars on pile foundations to design and analyze shallow and deep foundations..

CO6: Additional inputs will be provided to analyze the build wells of various shapes adhering to IRC guidelines.


Course Coordinator


Mentor


Head of the Department
Head of the Department
Civil Engineering
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