



# 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:	Geotechnical Engineering Laboratory	Course Code:	ACEC32
Semester:	VI	Target Value:	70% (2.1)


#### Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Recall the behaviour of soil with respect to water content (moisture content) for characterizing the permeability, compressibility and shear strength of soil.	3.00	0.00	3	Attained
CO2 Classify the soils according to their grain size for determining the coefficient of uniformity and coefficient curvature upon to classify the soil according to IS code.	3.00	0.00	3	Attained
CO3 Select the appropriate method to estimate the permeability of the layered soil for assessing drainage characteristics of soil, rate of consolidation and to predict rate of settlement of soil bed.	3.00	0.00	3	Attained
CO4 Determine the maximum dry density through compaction and consolidation to increase the bearing capacity and stiffness of in-situ soil medium.	3.00	0.00	3	Attained
CO5 Recall the importance of compressibility of the soil medium concept for taking necessary action to prevent the settlement of soil and foundation failures.	3.00	0.00	3	Attained
CO6 Evaluate the strength of soil sub-grades and base course materials and enable appropriate selection of suitable pavement thickness for the anticipated traffic density	3.00	0.00	3	Attained

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

  
Course Coordinator

  
Mentor

  
Head of the Department  
Head of the Department  
Civil Engineering  
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