



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 - R18	Batch:	2018-2022
Course Name:	Geotechnical Engineering Laboratory	Course Code:	ACEB20
Semester:	VI	Target Value:	60% (1.8)


Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Understand 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	Establish 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 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:


Course Coordinator


Mentor


Head of the Department
Head of the Department
Civil Engineering
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