



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Dr. V. Anand Reddy	Department:	CE
Regulation:	IARE - R18	Batch:	2019 – 2023
Course Name:	Geotechnical Engineering	Course Code:	ACEB19
Semester:	VI	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Recall the procedure of soil formation, soil structure, clay mineralogy, determine the grain size and index proportion for classifying the soil types.	0.90	2.40	1.20	Attainment target not reached
CO2	Explain the concepts of permeability and seepage flow net for estimating and controlling the seepage losses from earthen dams.	0.90	2.40	1.20	Attainment target not reached
CO3	Summarize stress distribution in soils at different loading conditions based on various theories for estimating intensity of pressure on soil.	0.90	2.40	1.20	Attainment target not reached
CO4	Relate the effect of compaction and consolidation pressures for estimating the total settlement and time rate of settlement.	0.90	2.40	1.20	Attainment target not reached
CO5	Recognize different stages of consolidation for predicting stress history on clays.	0.90	2.40	1.20	Attainment target not reached
CO6	Compare Mohr- columbs failure theories and lab tests for determining shear strength of soils at various drainage conditions.	0.90	2.40	1.20	Attainment target not reached

Action taken report:

CO1: Provide more information on soil structure, formation, clay mineralogy so that student will have better idea on topic.

CO2: Provide more information on permeability, seepage and Practical problems on them.

CO3: Provide information on soil stress distribution and explain more practical problems.


CO4: Provide information on compaction and consolidation so that students will have better knowledge on the topic.

CO5: Provide more practical examples on consolidation so that student will have knowledge to predict stress history on clays.

CO6: Provide more exposure on mohr-columbs failure theories and conduct more lab tests to find out the shera strength of the soil.


Course Coordinator


Mentor


HOD
Head of the Department
Civil Engineering
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