



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

CIVIL ENGINEERING

## ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Ms. Navya	Department:	CE
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	Geotechnical Engineering	Course Code:	ACE006
Semester:	IV	Target Value:	60% (1.8)

### Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 List out the procedure of soil formation, soil structure, clay mineralogy and index proportion for classifying the soil types.	2.00	2.60	2.1	Attainment target reached
CO2 Demonstrate the concepts of permeability and seepage flow net for estimating seepage losses from earthen dams.	1.30	2.50	1.5	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.	1.60	2.60	1.8	Attainment target reached
CO4 Relate the effect of compaction and consolidation pressures for estimating the total settlement, time rate of settlement.	2.00	2.50	2.1	Attainment target reached
CO5 Recognize different stages of consolidation for predicting stress history on clays.	1.30	2.60	1.6	Attainment target not reached
CO6 Compare Mohr's coulomb's failure theories for determining shear strength of soils at various drainage conditions.	0.30	2.70	0.8	Attainment target not reached

**Action taken report:**


CO2: Need to provide the more problems and assignments on permeability and flow net which enables the students to gain more problem-solving skills.

CO5: Need to provide the more problems and assignments on consolidation and stress history of clays which enables the students to gain more problem-solving skills.

CO6: Need to provide the more problems and assignments on failure theories and shear strength of soils which enables the students to gain more problem-solving skills.

  
Course Coordinator

  
Mentor

  
HOD  
Head of the Department  
Civil Engineering  
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