



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

STRUCTURAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

| | | | |
|----------------------|-------------------------------------|---------------|------------------------|
| Name of the faculty: | Ms. BHUKYA VEERALAXMI | Department: | Structural Engineering |
| Regulation: | IARE - PG21 | Batch: | 2021-2023 |
| Course Name: | Advanced Reinforced Concrete Design | Course Code: | BSTC15 |
| Semester: | II | Target Value: | 60% (1.8) |

Attainment of COs:

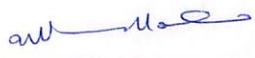
| | Course Outcome | Direct Attainment | Indirect Attainment | Overall Attainment | Observation |
|-----|--|-------------------|---------------------|--------------------|--------------|
| CO1 | Explain the behaviour of reinforced concrete under flexure and shear for designing beams, slabs and columns under various load condition. | 2.30 | 2.00 | 2.2 | Attained |
| CO2 | Explain the concepts of plastic hinge and plastic moment for understanding the redistribution of moments and moment rotation characteristics of reinforced concrete members. | 1.60 | 2.20 | 1.7 | Not Attained |
| CO3 | Analyse flat and ribbed slabs under given loading for designing and obtaining the reinforcement detailing in end and middle strips of the slab. | 0.90 | 2.50 | 1.2 | Not Attained |
| CO4 | Analyse the load distribution in deep beams for designing and fixing of reinforcement details in deep beams. | 2.30 | 2.30 | 2.3 | Attained |
| CO5 | Develop the concept of axial, uni-axial and bi-axial loading on compression members for designing the same to meet the safety and serviceability conditions. | 3.00 | 2.10 | 2.8 | Attained |
| CO6 | Analyse the soil properties for designing various types of footings for transferring the superimposed loads safely to the soil beneath. | 3.00 | 2.20 | 2.8 | Attained |

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

CO2: Assigned problem sets involving statically indeterminate members to analyze moment redistribution using plastic analysis principles.
CO3: Presented case studies of real buildings to show reinforcement detailing in end and middle strips.


Course Coordinator


Mentor


Head of the Department
Civil Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad