



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

STRUCTURAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

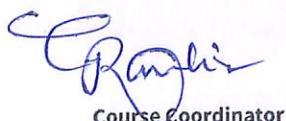
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|----------------------|--|---------------|------------------------|
| Name of the faculty: | Mr. GUDE RAMA KRISHNA | Department: | Structural Engineering |
| Regulation: | IARE - PG21 | Batch: | 2022-2024 |
| Course Name: | Design of Pre stressed Concrete Structures | Course Code: | BSTC26 |
| Semester: | III | Target Value: | 60% (1.8) |

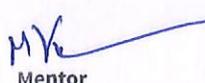
Attainment of COs:

| | Course Outcome | Direct Attainment | Indirect Attainment | Overall Attainment | Observation |
|-----|---|-------------------|---------------------|--------------------|--------------|
| CO1 | Explain the concepts of stresses and strains developed within the structures subjected to different loads and their combinations for understanding the behavior of prestressed concrete structures. | 3.00 | 2.40 | 2.9 | Attained |
| CO2 | Elucidate the concept of methods of pre and post tensioning and the systems of prestressing for the designing of prestressed concrete structural elements | 3.00 | 2.30 | 2.9 | Attained |
| CO3 | Estimate the losses in the prestress and post tensioned members for the efficient design of prestressed concrete structures. | 1.60 | 2.20 | 1.7 | Not Attained |
| CO4 | Design prestressed and post tensioned structural elements using Indian standard code method. | 3.00 | 1.80 | 2.8 | Attained |
| CO5 | Summarize the concepts of transfer of prestress in pre and post tensioned members by bond and transmission length using Indian standard code method. | 3.00 | 2.30 | 2.9 | Attained |
| CO6 | Design the composite prestressed concrete structural elements subjected to flexure and shear for designing multi storied structures. | 2.30 | 2.90 | 2.4 | Attained |

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

CO3: Arranged a seminar on "Innovative Materials and Technologies in Green Architecture" to expose students to advanced concrete materials and sustainable construction practices.


Course Coordinator


Mentor


Head of the Department
Civil Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
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