INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

STRUCTURAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. U VAMSI MOHAN**	Department:	**Structural Engineering**
Regulation:	**IARE - PG21**	Batch:	**2022-2024**
Course Name:	**Advanced Concrete Technology**	Course Code:	**BSTC08**
Semester:	**I**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Explain the basic physical and chemical properties of construction materials for determining quality of concrete.	3.00	2.30	2.9	Attained
CO2	Outline the workability and manufacturing process of concrete for obtaining economical and durable concrete.	3.00	2.20	2.8	Attained
CO3	Inspect the impact of water/cement ratio on strength and durability of concrete by measuring its hardened strength.	1.60	1.30	1.5	Not Attained
CO4	Identify the materials and technics of repair for rehabilitation and retrofitting of structures.	3.00	1.60	2.7	Attained
CO5	Develop the most economical and eco-friendly concrete mix based on standard methods for producing quality of concrete.	3.00	2.40	2.9	Attained
CO6	Examine special concretes and new generation concrete for satisfying the future needs of industry in real time.	2.30	2.00	2.2	Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)
CO3: Arranged a guest lecture on "Ultra High Performance Concrete (UHPC) and its Applications for Resilient Infrastructure" to highlight the influence of low water–cement ratio on strength and durability characteristics of hardened concrete.

Course Coordinator **Mentor** **Head of the Department**

Civil Engineering
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