



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

STRUCTURAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. N VENKAT RAO	Department:	Structural Engineering
Regulation:	IARE - R18	Batch:	2019-2021
Course Name:	STRUCTURAL HEALTH MONITORING	Course Code:	BSTB07
Semester:	I	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Explain the factors effecting structural health for the maintenance of structures.	2.30	2.40	2.3	Attained
CO2	Illustrate the concept of various methods applied for monitoring of structures for structural safety.	1.60	2.40	1.8	Attained
CO3	Interpret the importance of structural audit and assessment of health structures for the monitoring of structures.	3.00	2.30	2.9	Attained
CO4	Recognize the importance of static tests and sensor systems for the safety of buildings.	2.10	0.00	1.7	Not Attained
CO5	Demonstrate health monitoring of structures by using Dynamic Response Method.	2.10	0.00	1.7	Not Attained
CO6	Outline piezo-electric materials and other smart materials for repair and rehabilitation of structures.	2.10	0.00	1.7	Not Attained


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

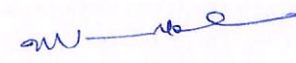
CO4: Arranged guest lectures by industry experts on real-time static testing and structural sensor applications in buildings.

CO5: Assigned mini-projects where students assessed structural health using changes in natural frequency and mode shapes.

CO6: Provided assignments and case studies to analyze the effectiveness of smart materials in strengthening and monitoring structures.


Course Coordinator


Mentor


Head of the Department
Head of the Department
Civil Engineering
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