



AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

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|----------------------|---------------------------|---------------|--------------------------|
| Name of the faculty: | Mr. V PHANINDER REDDY | Department: | Aeronautical Engineering |
| Regulation: | IARE - R20 | Batch: | 2020-2024 |
| Course Name: | Fluid Dynamics Laboratory | Course Code: | AAEC04 |
| Semester: | III | Target Value: | 60% (1.8) |

Attainment of COs:

| Course Outcome | Direct attainment | Indirect attainment | Overall attainment | Observation |
|--|-------------------|---------------------|--------------------|--------------|
| CO1 Interpret the concept of calibrating orifice and venturi meter for reducing the uncertainty in the discharge coefficient. | 0.90 | 0.00 | 0.9 | Not Attained |
| CO2 Make use of pipe friction test apparatus to measure the friction factor under a range of flow rates and flow regimes for calculating major losses in closed pipes | 0.90 | 0.00 | 0.9 | Not Attained |
| CO3 Demonstrate the verification of Bernoulli's theorem for incompressible steady continuous flow for regulating pipe flow across cross-section and datum | 0.90 | 0.00 | 0.9 | Not Attained |
| CO4 Identify the critical Reynolds number using Reynolds apparatus for illustrating the transition of laminal flow into turbulent flow | 0.90 | 0.00 | 0.9 | Not Attained |
| CO5 Make use of jet impact apparatus for investigating the reaction forces produced by the change in momentum | 0.90 | 0.00 | 0.9 | Not Attained |
| CO6 Distinguish the performance characteristics of turbo machinery under various operating conditions for calculating efficiency of turbines under specific applications | 0.90 | 0.00 | 0.9 | Not Attained |

Action Taken:

- CO1: Additional assignments and reading material are to be provided.
- CO2: Additional assignments and reading material are to be provided.
- CO3: Additional assignments and reading material are to be provided.
- CO4: Additional assignments and reading material are to be provided.
- CO5: Additional assignments and reading material are to be provided.
- CO6: Additional assignments and reading material are to be provided.


Course Coordinator


Mentor


Head of the Department
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