CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. VENU MALAGAVELLI**	Department:	**Civil Engineering**
Regulation:	**IARE - BT23**	Batch:	**2024-2028**
Course Name:	**Object Oriented Programming**	Course Code:	**ACSD01**
Semester:	**I**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Interpret the features of object-oriented programming languages, comparison, and evolution of programming languages.	1.60	2.70	1.8	Attained
CO2	Model the real-world scenario using class diagrams and exhibit communication between objects.	0.60	2.60	1	Not Attained
CO3	Estimate the need for special functions for data initialization	0.80	2.70	1.2	Not Attained
CO4	Outline the features of object-oriented programming for binding the attributes and behavior of a real-world entity.	2.60	2.70	2.6	Attained
CO5	Use the concepts of streams and files that enable data management to enhance programming skills.	0.40	2.70	0.9	Not Attained
CO6	Develop contemporary solutions to software design problems using object-oriented principles.	0.40	2.70	0.9	Not Attained

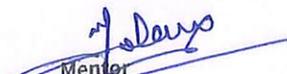**Action Taken Report: (To be filled by the concerned faculty / course coordinator)**

CO2: Organized practical exercises where students created class diagrams for real-world systems like library management, e-commerce, and banking.

CO3: Conducted hands-on lab sessions where students implemented constructors, default values, and initializer lists for structured data.

CO5: Delivered tutorials on exception handling and best practices in file operations to ensure robust and efficient data management.

CO6: Facilitated discussions and tutorials on UML modeling, object interactions, and best practices for robust, maintainable, and scalable software solutions.

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