



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

## STRUCTURAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. NANNA SRI RAMYA	Department:	Structural Engineering
Regulation:	IARE - PG21	Batch:	2022-2024
Course Name:	Numerical Analysis Laboratory	Course Code:	BSTC24
Semester:	II	Target Value:	70% (2.1)

#### Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Analyze the roots of non-linear equation using bisection and newton's method.	3.00	0.00	3	Attained
CO2	Evaluate the curve fitting by using method of least squares approximations.	3.00	0.00	3	Attained
CO3	Determine the linear system of equations using gauss elimination, gauss seidal and gauss Jordan methods.	3.00	0.00	3	Attained
CO4	Solve the integrations numerically using trapezoidal and simpson's rule.	3.00	0.00	3	Attained
CO5	Explain the numerical solution of ordinary differential equations using Euler's Method.	3.00	0.00	3	Attained
CO6	Analyze the numerical solution of ordinary differential equations by using Runge- Kutta Method.	3.00	0.00	3	Attained

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

  
Course Coordinator

  
Mentor

  
Head of the Department  
Civil Engineering  
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