



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## STRUCTURAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. JSR PRASAD	Department:	Structural Engineering
Regulation:	IARE - R18	Batch:	2018-2020
Course Name:	NUMERICAL ANALYSIS LABORATORY	Course Code:	BSTB20
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  
Head of the Department  
Civil Engineering  
INSTITUTE OF AERONAUTICAL ENGINEERING  
Dundigal, Hyderabad