



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## MECHANICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. G HIMA BINDU	Department:	Mechanical Engineering
Regulation:	IARE - UG20	Batch:	2022-2026
Course Name:	Robotics	Course Code:	AMEC32
Semester:	VI	Target Value:	60% (1.8)

#### Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Outline the relationship between mechanical structures of industrial robots and their operational workspace characteristics	3.00	2.30	2.9	Attained
CO2	Develop the mechanism for solving forward and inverse kinematics of simple robot manipulators	2.40	2.40	2.4	Attained
CO3	Develop an ability to obtain the Jacobian matrix and use it to identify singularities	2.30	2.30	2.3	Attained
CO4	Outline the differential kinematics methods used to study the motion of robot manipulators	3.00	2.40	2.9	Attained
CO5	Explain an ability to generate the trajectory for given application of robot manipulator	3.00	2.40	2.9	Attained
CO6	Recall the working of electric actuators and applications of robot inx manufacturing, material handling, assembly and inspections.	3.00	2.40	2.9	Attained

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

  
Course Coordinator

  
Mentor

  
Head of the Department  
Head of the Department  
Mechanical Engineering