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

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. SATHEES KUMAR**	Department:	**Mechanical Engineering**
Regulation:	**IARE - R20**	Batch:	**2020-2024**
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	2.40	2.9	Attained
CO2	Develop the mechanism for solving forward and inverse kinematics of simple robot manipulators	1.60	2.40	1.8	Attained
CO3	Develop an ability to obtain the Jacobian matrix and use it to identify singularities	0.90	2.40	1.2	Not Attained
CO4	Outline the differential kinematics methods used to study the motion of robot manipulators	0.00	2.40	0.5	Not Attained
CO5	Explain an ability to generate the trajectory for given application of robot manipulator	2.10	2.40	2.2	Attained
CO6	Recall the working of electric actuators and applications of robot inx manufacturing, material handling, assembly and inspections.	2.10	2.40	2.2	Attained

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

CO3: More problems to be solved through assignments

CO4: Extra Kinematic problems on the manipulator to be discussed in the class room.

Course Coordinator

Mentor

Head of the Department

Head of the Department
Mechanical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043