



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad-500043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME-ACTION TAKEN REPORT

Name of the faculty:	Mr. A. Anudeep Kumar	Department:	ME
Regulation:	IARE-R16	Batch:	2016 -2020
Course Name:	Robotics	Course Code:	AME533
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.	2.40	1.80	2.3	Attainment target reached
CO2	Demonstrate an ability to apply spatial transformation to obtain forward kinematics equation of robot manipulators.	2.10	1.80	2	Attainment target reached
CO3	Develop the mechanism for solving forward and inverse kinematics of simple robot manipulators.	1.00	2.40	1.3	Attainment target not reached
CO4	Develop an ability to obtain the Jacobian matrix and use it to identify singularities.	0.60	1.80	0.8	Attainment target not reached
CO5	Explain an ability to generate the trajectory for given application of robot manipulator.	2.70	1.80	2.5	Attainment target reached
CO6	Recall the applications of robot in manufacturing, material handling, assembly and inspections.	2.40	2.40	2.4	Attainment target reached

Action taken report:

CO3: More exercise has to be given for inverse kinematics of simple robot manipulators.
CO4: More assignments has to be practiced for Jacobian matrix.


Course Coordinator


Mentor


Head of the Department
Mechanical Engineering
HOD
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