INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**B VIJAY KRISHNA**	Department:	**Aeronautical Engineering**
Regulation:	**R16**	Batch:	**2017-2021**
Course Name:	**Introduction to Robotics**	Course Code:	**AME553**
Semester:	**VI**	Target Value:	**70% (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.	3.0	2.6	2.9	Attainment target reached
CO2	Develop the mechanism for solving forward and inverse kinematics of simple robot manipulators	3.0	2.6	2.9	Attainment target reached
CO3	Develop an ability to obtain the Jacobian matrix and use it to identify singularities	3.0	2.6	2.9	Attainment target reached
CO4	Outline the differential kinematics methods used to study the motion of robot manipulators.	3.0	2.6	2.9	Attainment target reached
CO5	Explain an ability to generate the trajectory for given application of robot manipulator.	3.0	2.7	2.9	Attainment target reached
CO6	Recall the working of electric actuators and applications of robot in manufacturing, material handling, assembly and inspections.	3.0	2.6	2.9	Attainment target reached

Action taken report:

Course Coordinator **Mentor** **HOD**

Head of the Department
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