



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## ELECTRICAL AND ELECTRONICS ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	<b>Shaik Ruksana Begum</b>	Department:	<b>EEE</b>
Regulation:	<b>IARE - R16</b>	Batch:	<b>2017 - 2021</b>
Course Name:	<b>Hybrid Electric Vehicles</b>	Course Code:	<b>AEE019</b>
Semester:	<b>VI</b>	Target Value:	<b>60% (1.8)</b>

#### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Summarize the various topologies and modeling techniques used in electric and hybrid vehicles for performance analysis.	0.9	2.5	1.2	Not Attained
CO2	Analyze cost-effectiveness of different types of hybrid drive-trains for transmitting power to driving wheels.	0.9	2.5	1.2	Not Attained
CO3	Demonstrate the configuration and control of Electric motor drives for maximizing speed and torque.	0.9	2.4	1.2	Not Attained
CO4	Choose the hybridization of Energy Storage Systems for reducing size.	0.9	2.4	1.2	Not Attained
CO5	Select suitable Energy Storage Systems and drive train components for optimizing energy management.	0.9	2.5	1.2	Not Attained

#### Action taken report:

CO 1: Need to use digital resources and ICT tools  
CO 2: Provide more assignments on different types of hybrid drive-trains  
CO 3: Need to focus on control of Electric motor drives  
CO 4: More focus on hybridization of Energy Storage Systems  
CO 5: Provide more real time applications for better understanding of Energy Storage Systems

*Sk. Ruksana Begum*  
Course Coordinator

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Mentor

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HOD

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