



**INSTITUTE OF AERONAUTICAL ENGINEERING**  
(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

**MECHANICAL ENGINEERING**

**ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT**

Name of the faculty:	Ms. B LAKSHMI PRASANNA	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	Microprocessors and Interfacing	Course Code:	AECB55
Semester:	VIII	Target Value:	60% (1.8)

**Attainment of COs:**

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Outline the functional components of microprocessors and microcontrollers for understanding the operation of architectures	0.00	2.10	0.4	Not Attained
CO2	Make use of addressing modes and instruction set of target microprocessors and microcontrollers for writing an assembly language programs to perform a task.	0.00	2.10	0.4	Not Attained
CO3	Demonstrate the internal architecture and modes of operation of peripheral devices for interfacing memory and I/O devices.	0.90	2.10	1.1	Not Attained
CO4	Illustrate the interrupt handling mechanism in microprocessors and microcontrollers using interrupt controller.	0.90	2.10	1.1	Not Attained
CO5	Choose an appropriate data transfer scheme and hardware for data transfer between the devices	0.60	2.10	0.9	Not Attained
CO6	Develop microprocessor and microcontroller based applications using necessary input and output devices.	0.30	2.10	0.7	Not Attained

**Action Taken:**

CO1: Basic identifications of components are lacking

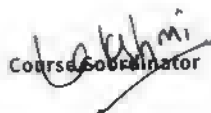
CO2: Essential tutorial hours are necessary to explain the microprocessors and microcontrollers for writing assembly language programs to perform a task.

CO3: More assignments are required for demonstrating I/O devices

CO4: Basic understanding of handling mechanisms in microprocessors and microcontrollers using interrupt controllers.

CO5: More exercises are needed to understand the devices of data transfer.

CO6: Additional tutorial hours are required for applications on microprocessor and microcontroller

  
Course Coordinator

  
Mentor

  
Head of the Department

Head of the Department  
Mechanical Engineering  
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