



## EMBEDDED SYSTEMS

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

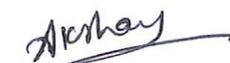
Name of the faculty:	Mr. AKSHAYA BHIMASHANKAR K	Department:	Embedded Systems
Regulation:	IARE - PG21	Batch:	2022-2024
Course Name:	Waste to Energy	Course Code:	BPSC30
Semester:	III	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Identify the different sources and types of solid waste by the properties of municipal solid waste for segregation and collection of waste.	2.70	2.00	2.6	Attained
CO2 Illustrate the classification, preliminary design considerations of landfill and methods of landfill disposal of solid to control greenhouse gases	3.00	1.40	2.7	Attained
CO3 Understand the Composition, characteristics of leachate to control the emission of gases by monitoring the movement of landfill leachate.	0.90	1.70	1.1	Not Attained
CO4 Outline the Biochemical conversion of biomass for energy generation by anaerobic digestion of solid waste.	1.30	1.80	1.4	Not Attained
CO5 Apply the knowledge in planning and operations of waste to Energy plants by following legal legislation related to solid waste management	0.90	2.00	1.1	Not Attained
CO6 Illustrate the thermo-chemical conversion of Biogas by using Gasification process for energy generation	3.00	1.40	2.7	Attained

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

- CO3: Tutorial classes will be conduct on Composition, characteristics of leachate to control the emission of gases.  
CO4: Guest lectures will be conduct on Biochemical conversion of biomass for energy generation.  
CO5: Tutorial classes will be conduct on planning and operations of waste to Energy plants.

  
Course Coordinator

  
Mentor

  
Head of the Department  
ELECTRONICS AND COMMUNICATION ENGINEERING  
INSTITUTE OF AERONAUTICAL ENGINEERING  
Dundigal, Hyderabad- 500 043, T.S.