INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

AEROSPACE ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Mr. S SELVAPRAKASH**	Department:	**Aerospace Engineering**
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.	0.90	2.40	1.2	Not Attained
CO2	Illustrate the classification, preliminary design considerations of landfill and methods of landfill disposal of solid to control greenhouse gases	0.90	2.10	1.1	Not Attained
CO3	Understand the Composition, characteristics of leachate to control the emission of gases by monitoring the movement of landfill leachate.	0.90	2.30	1.2	Not Attained
CO4	Outline the Biochemical conversion of biomass for energy generation by anaerobic digestion of solid waste.	0.60	2.40	1	Not Attained
CO5	Apply the knowledge in planning and operations of waste to Energy plants by following legal legislation related to solid waste management	0.30	2.20	0.7	Not Attained
CO6	Illustrate the thermo-chemical conversion of Biogas by using Gasification process for energy generation	0.00	2.30	0.5	Not Attained

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

CO1: Additional content on solid waste for segregation and collection is to be provided.
CO2: Digital content on preliminary design considerations of landfills is to be provided.
CO3: Digital content on the emission of gases from landfills has to be provided.
CO4: Digital content on Biochemical conversion of biomass is to be provided.
CO5: Additional reading content on legal legislation related to solid waste management has to be provided.,
CO6: Digital content on the Gasification process has to be provided.

Course Coordinator **Mentor** **Head of the Department**

Head of the Department
Aeronautical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043