



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AEROSPACE ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

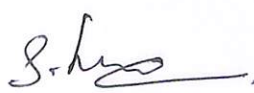
Name of the faculty:	Mr. S SELVAPRAKASH	Department:	Aerospace Engineering
Regulation:	IARE - R21	Batch:	2021-2023
Course Name:	Waste to Energy	Course Code:	BPSC30
Semester:	III	Target Value:	60% (1.8)


#### Attainment of COs:

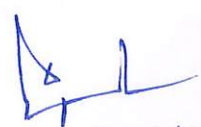
	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Identify the different sources and types of solid waste by the properties of municipal solid waste for segregation and collection of waste.	0.60	2.30	0.9	Not Attained
CO2	Illustrate the classification, preliminary design considerations of landfill and methods of landfill disposal of solid to control greenhouse gases	0.60	2.70	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	2.70	1.3	Not Attained
CO4	Outline the Biochemical conversion of biomass for energy generation by anaerobic digestion of solid waste.	0.90	2.40	1.2	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	2.50	1.2	Not Attained
CO6	Illustrate the thermo-chemical conversion of Biogas by using Gasification process for energy generation	0.90	2.60	1.2	Not Attained

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

- CO1: Additional reading content on sources and types of solid waste are to be provided.  
CO2: Digital content on landfill is to be provided.  
CO3: Additional reading materials on emission control are to be given.  
CO4: Assignment on study of biochemical conversions is to be given.  
CO5: Assignment on legal solid waste management solutions are to be given.  
CO6: Digital content on gasification process are to be provided.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Aeronautical Engineering  
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