



## INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

### STRUCTURAL ENGINEERING

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

Name of the faculty:	Dr. SHAIK RUKSANA BEGAM	Department:	Structural Engineering
Regulation:	IARE - PG21	Batch:	2022-2024
Course Name:	Waste to Energy	Course Code:	BPSC30
Semester:	III	Target Value:	60% (1.8)

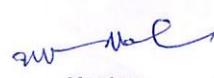
##### Attainment of COs:

	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.	3.00	2.40	2.9	Attained
CO2	Illustrate the classification, preliminary design considerations of landfill and methods of landfill disposal of solid to control greenhouse gases	3.00	3.00	3	Attained
CO3	Understand the Composition, characteristics of leachate to control the emission of gases by monitoring the movement of landfill leachate.	3.00	2.20	2.8	Attained
CO4	Outline the Biochemical conversion of biomass for energy generation by anaerobic digestion of solid waste.	3.00	2.20	2.8	Attained
CO5	Apply the knowledge in planning and operations of waste to Energy plants by following legal legislation related to solid waste management	2.40	3.00	2.5	Attained
CO6	Illustrate the thermo-chemical conversion of Biogas by using Gasification process for energy generation	0.30	2.20	0.7	Not Attained

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

CO6: Organized a seminar on "Lean Construction: Strategies for Improving Efficiency and Reducing Waste" for resource optimization principles with thermo-chemical conversion processes.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Civil Engineering  
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