



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

COMPUTER SCIENCE AND ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. S SELVAPRAKASH	Department:	Computer Science and 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.	1.60	2.60	1.8	Attained
CO2	Illustrate the classification, preliminary design considerations of landfill and methods of landfill disposal of solid to control greenhouse gases.	2.00	2.60	2.1	Attained
CO3	Understand the Composition, characteristics of leachate to control the emission of gases by monitoring the movement of landfill leachate.	2.70	2.70	2.7	Attained
CO4	Outline the Biochemical conversion of biomass for energy generation by anaerobic digestion of solid waste.	0.70	2.60	1.1	Not Attained
CO5	Apply the knowledge in planning and operations of waste to Energy plants by following legal legislation related to solid waste management	0.70	2.70	1.1	Not Attained
CO6	Illustrate the thermo-chemical conversion of Biogas by using Gasification process for energy generation	0.70	0.00	0.6	Not Attained

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

CO4: Real time case studies will be discussed in classes to make students aware of conversion of solid waste in to energy

CO5: Arrange a local tour to visit industries which follow waste management optimally to enhance students social responsibility

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Course Coordinator


Mentor


Head of the Department

Head of the Department
Computer Science and Engineering
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