


**INSTITUTE OF AERONAUTICAL ENGINEERING**

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## COMPUTER SCIENCE AND ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	<b>Mr. S SELVAPRAKASH</b>	Department:	<b>Computer Science and Engineering</b>
Regulation:	<b>IARE - PG21</b>	Batch:	<b>2021-2023</b>
Course Name:	<b>Waste to Energy</b>	Course Code:	<b>BPSC30</b>
Semester:	<b>III</b>	Target Value:	<b>60% (1.8)</b>

#### 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.	2.10	2.00	2.1	Attained
CO2	Illustrate the classification, preliminary design considerations of landfill and methods of landfill disposal of solid to control greenhouse gases	1.70	2.30	1.8	Attained
CO3	Understand the Composition, characteristics of leachate to control the emission of gases by monitoring the movement of landfill leachate.	3.00	2.10	2.8	Attained
CO4	Outline the Biochemical conversion of biomass for energy generation by anaerobic digestion of solid waste.	1.60	2.30	1.7	Not Attained
CO5	Apply the knowledge in planning and operations of waste to Energy plants by following legal legislation related to solid waste management	3.00	2.90	3	Attained
CO6	Illustrate the thermo-chemical conversion of Biogas by using Gasification process for energy generation	0.90	0.00	0.7	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

CO6: Arrange a local tour to visit industries which follow waste management optimally to enhance students social responsibility

  
 Course Coordinator

  
 Mentor

  
 Head of the Department

 Head of the Department  
 Computer Science and Engineering  
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