



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### ATTAINMENT OF COURSE OUTCOMES (Cos) – ACTION PLAN

Name of the Faculty	Mr. Ch BalaKrishna	Department	CSE
Regulations	R16	Batch	2017 -2021
Course Name	Energy from waste	Course Code:	AEE551
Semester	VII	Target Value	70% (2.1 on 3 Scale)

#### Attainment of Cos:

Course Outcomes		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Identify the different sources, types of solid waste by the properties of municipal solid waste for segregation and collection of waste	3.00	2.50	2.9	Target attained
CO2	Understand the Composition, characteristics of leachate and preliminary design considerations of landfill to control the emission of gases and monitoring the movement of landfill leachate	2.30	2.50	2.3	Target attained
CO3	Outline the Biochemical conversion of biomass for energy generation by anaerobic digestion of solid waste	2.30	2.50	2.3	Target attained
CO4	Illustrate the thermo-chemical conversion of solid waste by using Gasification and pyrolysis process for energy generation	1.60	2.50	1.8	Target not attained
CO5	Identify the need to stringent health safeguards and environmental protection laws of India for the effective disposal of E-waste.	1.60	2.50	1.8	Target not attained
CO6	Interpret the global scenario of environmental concerns and health hazards by the generation of E- waste	2.30	2.50	2.3	Target attained

#### Action taken report:

CO4, CO5: A video-based demonstration to be arranged on methods for energy generations from solid waste and E-waste to make students understand environmental protection from E-waste.

*Bala Krishna*  
Course Coordinator

*Bala Krishna*  
Mentor

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