INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	**Ms. Ch Sri Vidya**	Department:	**M.Tech - EMBEDDED SYSTEMS**
Regulation:	**R18**	Branch:	**2020-2022**
Course Name:	Waste to Energy	Course Code:	**BCSB30**
Semester:	**III**	Target Value:	**60% (1.8)**

Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Demonstrate basic concepts of waste to energy resources and their conversion devices to understand basic concept of energy conversion and explore different types of conversion devices.	0.9	1.5	1	Attainment target is not yet reached
CO2	Explain the energy generation technologies from waste treatment plants and disposal of solid waste by aerobic composting and incineration process.	0.9	1.8	1.1	Attainment target is not yet reached
CO3	Explain the classification, preliminary design considerations of landfill and methods of landfill disposal of solid to control greenhouse gases.	1.6	1.6	1.6	Attainment target is not yet reached
CO4	Apply the knowledge in planning and operations of waste to Energy plants by following legal legislation related to solid waste management.	0.9	1.8	1.1	Attainment target is not yet reached
CO5	Apply the thermo-chemical conversion of Biogas by using Gasification process for energy generation.	1.6	1.7	1.6	Attainment target is not yet reached
CO6	Identify the need to stringent health safeguards and environmental protection laws of India for the effective disposal of E-waste.	0.9	1.8	1.1	Attainment target is not yet reached

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

CO1: Conducting Guest lectures on the concept of energy conversion.
CO2: Additional inputs will be provided on waste treatment plants and Biomass Pyrolysis.
CO3: Giving assignments and conducting tutorials on use of Gasifier burner arrangement for thermal heating for more practice.
CO4: Conducting Guest lectures on solid waste management concept.
CO5: Additional inputs will be provided on operation of all the biomass combustors.
CO6: Conducting tutorials on urban waste to energy conversion and Biomass energy programme in India

Sri Vidya
Course Coordinator

Mentor

HOD

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