




SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

REPORT OF THE PROGRAM

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| 1 | Program Name | Online Research Methodology Seminar on “Sustainable Solid Waste Management” |
| 2 | Date of program | 18.02.2023 |
| 3 | Google meet link | https://meet.google.com/fts-ikht-exh |
| 4 | Resource persons | Dr. S. PAULINE , Ph.D., Assistant Professor, Department of Civil Engineering, ACCET, Karaikudi. Dr. S. V. SRINIVASAN, Ph.D. Senior Principal Scientist, CSIR – Central Leather Research Institute, Chennai. |
| 5 | Participants | 23 Students |
| 6 | Objective of program | To understand the basics of organic and inorganic waste, different types, sources, generation, storage, collection, transport, processing, treatment and disposal of municipal solid waste, and stakeholders involvement. |
| 7 | Program description | <p>The program started with a welcome address by Mrs. R. Padmarani, HoD/Civil. 23 students were attended the seminar.</p> <p>In the morning session the Resource Person presented the set of issues originating from taking organic waste from kitchen to landfills which will contribute to greenhouse gas emissions. Then she explained how to effectively utilize the organic waste in producing biogas through anaerobic digestion or produce electricity and heat through burning. Then she illustrated that using biogas thus produced as fuel for cooking and heating, using natural gas to power motor vehicles are some of the benefits of converting waste to energy.</p> <p>In the afternoon session the Resource Person detailed about the problems caused by organic wastes from urban areas. He explained about the adoption of environment-friendly technologies for producing energy from waste. He clearly pointed out the several benefits of producing energy from waste in the form of biohydrogen, ethanol, biodiesel and biogas. Thus he showed the way to reduce our dependence on fossil fuel and emission of green house gases and reach carbon neutrality.</p> <p>The session ended with a vote of thanks by Program coordinator Ms. Mahizhini Raci, AP/Civil.</p> |

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| 8 | Outcome of this program | <p>Students will be able to</p> <p>Analyze and evaluate the various technologies for including waste management into the circular economy.</p> <p>Evaluate different treatment methods with regard to environmental impact.</p> |
| 9 | Photo |  |

Program Coordinator

HoD/Civil