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CENTRE FOR INNOVATION & SOCIAL TRANSFORMATION

KG REDDY College of Engineering & Technology

Report

On

Indian Institute of Chemical Technology, Hyderabadvisit for Interaction with User for Problem Scoping and Identification

on

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Organized by

Center for Innovation and Social Transformation

Submitted by

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Objectives:

- Obtain expert opinions on the UBA Proposal for the Innovative Sanitary Napkins Incinerator Machine project.
- Clarify and refine technical aspects of the project to ensure scientific soundness.
- Identify potential collaborations and leverage expertise for project enhancement.
- Discuss and address specific comments received on the UBA Proposal.

Outcomes:

- Gain a deeper understanding of the technical intricacies of the project through discussions with experts. Clarify any scientific queries related to the proposed incinerator machine and solid waste management.
- Refine and enhance the UBA Proposal based on the feedback received during the meeting. Address specific comments and suggestions provided by the experts to strengthen the proposal's overall quality.
- Explore potential collaborations with experts from the Indian Institute of Chemical Technology (IICT), Hyderabad. Identify opportunities to leverage their expertise in catalysis, fine chemicals, and related fields for the advancement of the project.
- Receive strategic guidance from experts such as Dr. N Lingaiah, and Sumana Chenna on the utilization of fine chemicals and catalysis in the context of the incineration process. Incorporate valuable insights into the project for improved efficacy.
- Discuss comments and perspectives from Prof. B Y Giri, aligning the project with academic standards and ensuring it meets the requirements of rigorous scientific evaluation.
- Demonstrate a commitment to continuous improvement by actively engaging with expert feedback and incorporating it into the project. Establish a framework for ongoing communication and collaboration with the experts for the project's sustained progress.

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Summary Report of Visit

Overall, the expected outcomes center around refining the project, leveraging expert guidance, and ensuring that the Innovative Sanitary Napkins Incinerator Machine for Solid Waste Management initiative aligns with the highest standards of scientific and practical excellence.

Key Discussion Points:

- Detailed discussions were held to clarify technical aspects of the Innovative Sanitary Napkins Incinerator Machine project. Experts provided insights into the scientific intricacies involved.
- The primary agenda was to discuss feedback received for the UBA Proposal. Specific comments were addressed and analyzed to refine the project proposal.
- Prof. B Y Giri contributed insights to ensure the project aligns with high academic standards. Discussions centered on enhancing the scientific rigor of the proposed solution.
- Dr. N Lingaiah and Sumana Chenna provided strategic guidance on the use of catalysis and fine chemicals, contributing to the optimization of the incineration process.
- Opportunities for collaboration with Indian Institute of Chemical Technology (IICT) experts were explored. The potential for leveraging their expertise in catalysis and fine chemicals for project improvement was discussed.
- The team, along with experts, discussed and refined the project's implementation strategy, ensuring it aligns with practical considerations and industry standards
- Dr. Chandrashekar Pendem, as a Sr. Technical Officer, played a crucial role in providing insights related to the technical aspects of the project and practical considerations.

Participants:

Ms. P Keerthana Reddy
Ms. Vanekari Jahnavi
Faculty Mentor: Ms. Tuti Sandhya & B Lingam
Dr. N Lingaiah (Chief Scientist & Chair Catalysis & Fine Chemicals, IICT Hyderabad)
Sumana Chenna (Scientist, IICT Hyderabad)
Dr. Chandrashekar Pendem (Senior Technical Officer, IICT Hyderabad)
Prof. B Y Giri (Professor, Department of Chemistry, Osmania University)

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Fig: Students and Faculty interacting with users for Problem identification and scoping

Impact Analysis:

- The team engaged in detailed discussions with Dr. N Lingaiah, Sumana Chenna, and Dr. Chandrashekar Pendem, clarifying technical intricacies of the proposed incinerator machine. This ensured a comprehensive understanding and strengthened the scientific foundation of the project.
- Opportunities for collaboration were explored during the meeting. The expertise of the scientists at IICT Hyderabad presents potential avenues for technical collaboration and guidance, enhancing the project's overall quality.
- Dr. N Lingaiah and Team, with their expertise in fine chemicals and catalysis, provided strategic guidance on potential applications and improvements related to the incineration process, contributing to the project's efficacy.
- Specific comments received for the UBA Proposal were discussed with Prof. B Y Giri, who provided insights aligning with the academic perspective. Actionable items were outlined to incorporate this feedback into the proposal, ensuring it meets academic standards.
- The meeting contributed to refining the project roadmap by incorporating expert suggestions. This ensures that the project aligns not only with academic standards but also with practical considerations and industry relevance.
- Interactions with scientists and the professor enriched the project's scientific rigor. The outcomes of the meeting reflect a commitment to maintaining high standards and contributing meaningfully to the field of waste management.