



Brain Storming Session No: 4

Project #10 : Design of a dual fuel (CNG/Hydrogen) generation system from the biowaste

Date : 30th July 2022

Venue: Conference Hall , Near Principal Office ,ICEM

Agenda :

1. Project review
2. PPT Presentation
3. ECO-FRIENDLY model discussion
4. Problem analysis and solution finding

Members present :

Sr No	Name of the Team Members	Role	Signature
1	Dr Karthikeyan, Senior Principal Scientist, CSIR- NCL, Pune.	Faculty Mentor	
2	Dr Poorna Shankar Professor and Dean R&D Faculty Mentor , ICEM,Pune	Faulty Mentor & Project Guide	
3	Om Phalke	Research Analyst	
4	Mamta Chavan	Document expert	
5	Baburao konuri	Process Analyst	
6	Keshav Semwal	Project Designer	
7	Sahil Shukla	Research Analyst	

Points Discussed:

- 1) The overview of the project was shared by the Faculty mentor to Dr. Karthikeyan.
- 2) The Literature review of the project was discussed and presented by Mr. Sahil Shukla
- 3) The project was presented by Ms. Mamta Chavan, Mr., Keshav Semwal and Mr. Baburao Konuri .
- 4) He guided us on how to make our presentation effectively and discussed the chemical process flow of converting Biowaste to renewable energy
- 5) The Scientist also explained the toxological profiling of Biowaste and suggested the changes to be done in the country survey.
- 6) Further Sir added that, we need to create a unique eco-friendly model (ECO – GREEN) that should be cost-effective , environment friendly and protect public health/
- 7) He appreciated the team for existing method and production of bio-CNG and H2.
- 8) Further Sir guided us on how to identify problems, analyse causes , select alternative solutions , perform strategic planning , generate ideas for marking change and handle many other situations.
- 9) The overall flow of the project was appreciated by the Expert reviewer.

Photos taken during the Brain storming Sessions:




