

Activity name: Exposure Visit to Incubation Unit (AICTE-IDEA Lab)

Overall report of the activity

Title of the activity: Exposure Visit to Incubation Unit (AICTE-IDEA Lab)

Objective of the activity:

1. Providing a proper platform to cultivate innovative designs, scientific aptitude, employable and
2. entrepreneurial skills among the students
3. Providing advanced lab facilities to the neighboring schools, colleges and technical institutions of Durgapur
4. Promotion of Industry-academia collaboration.
5. Skill enhancement and promotion of interdisciplinary research
6. Strengthen the employable and entrepreneurial skills of the students in the entire region of Durgapur, subsequently paving the way for "AATMANIRBHAR BHARAT"

Key person name & designation whom participants met during the field visit:

1. Dr. Abhijit Banerjee, Assistant Professor & AICTE-Idea Lab Tech Guru
2. Dr. Kamalika Tiwari, Assistant Professor & AICTE-Idea Lab Associate
3. Prof. Subhrangshu Chandra, Assistant Professor & AICTE-Lab Associate

Participants details: 15 Students and Faculty members from several departments of Dr. B. C. Roy Engineering College Durgapur

Posters/ banners:

AICTE IDEA LAB
ESTABLISHED: 2021

INSTITUTE INNOVATION COUNCIL,
IN COLLABORATION WITH EDC
DR. B. C. ROY ENGINEERING COLLEGE

FIELD VISIT TO INCUBATION UNIT

COORDINATORS :

DR. ABHIJIT BANERJEE, AP, ECE DEPT

DR. KAMALIKA TIWARI, AP, EE DEPT

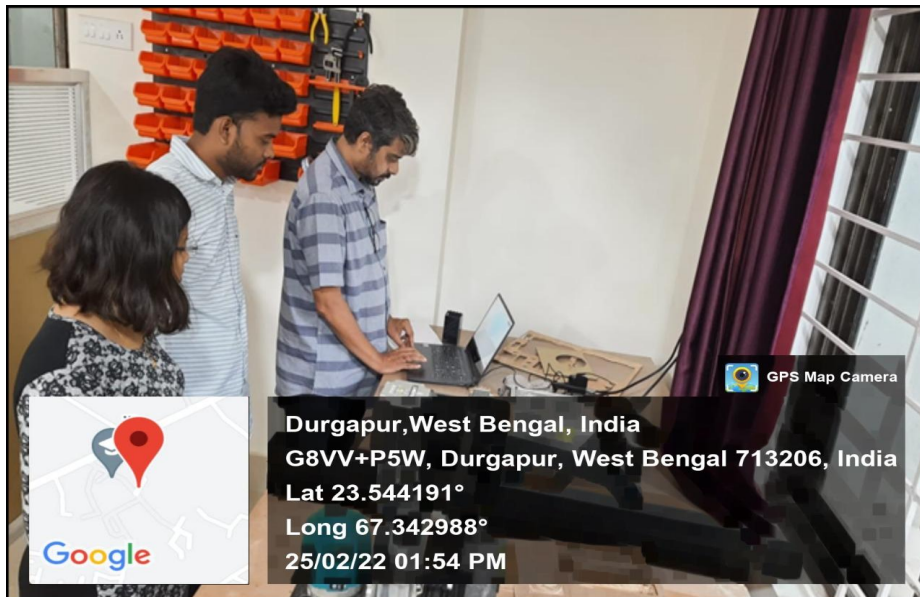
PROF. SUBRANSHU CHANDRA, AP, MCA

Date : 25th February 2022

Venue: AICTE Idea-Lab BCREC

Photographs:

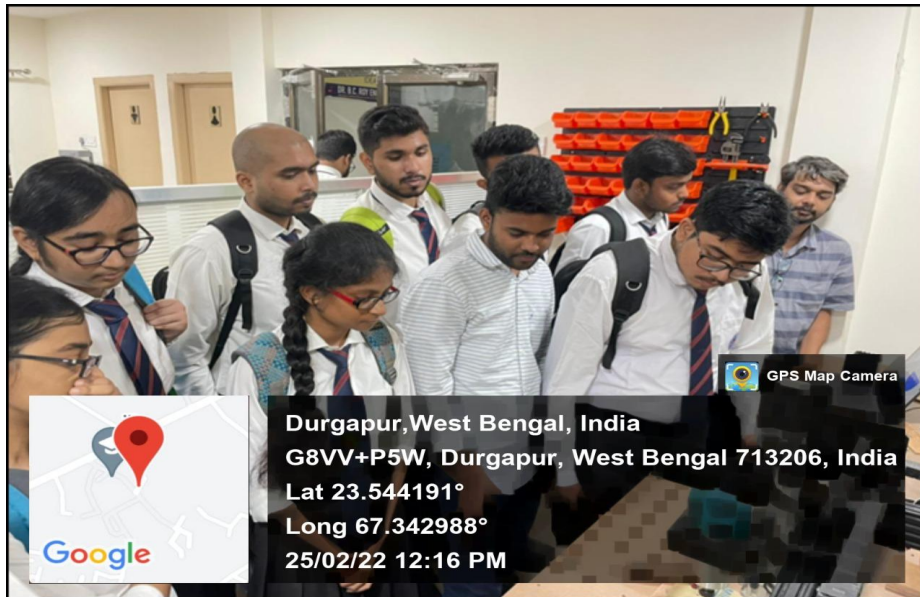
1. Wood Router operation through CAM.



2. LASER ENGRAVER (CO2) being demonstrated.



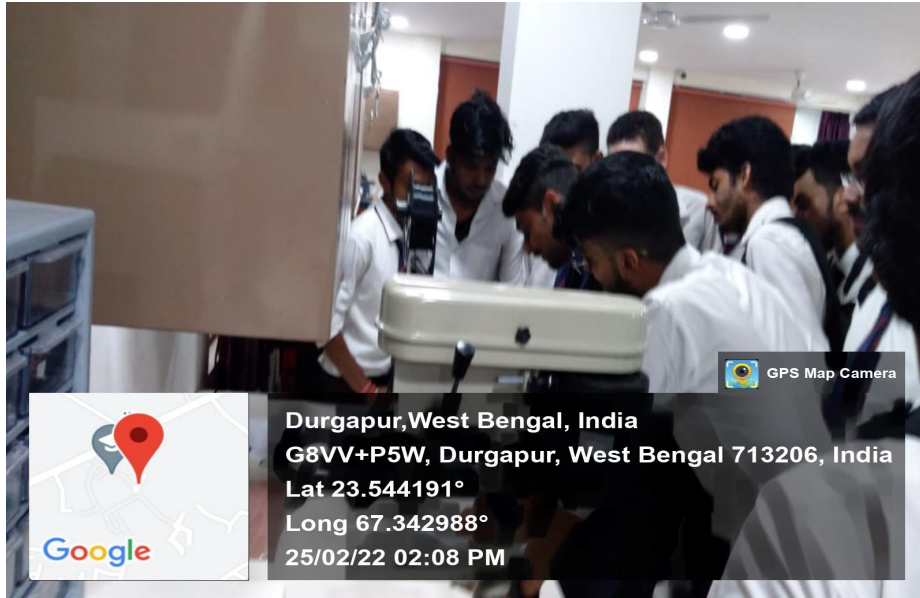
3. Wood Router in Operation.



4. CNC being handled by participants.



5. 3D Printer facility.



Key outcome of the activity:

1. Provided an adequate platform for students to nurture creative designs, scientific aptitude, marketable and entrepreneurial talents. Students and faculty participants were provided with excellent lab facilities. In the context of sustainable manufacturing, the sourcing of raw materials and the usage of biodegradable materials were considered.
2. The visit to the AICTE-IDEA lab enhanced the employability and entrepreneurship skills of the participants, paving the way for "AATMANIRBHAR BHARAT."
3. A presentation was given on additive and subtractive manufacturing. Specific IP protocols and rules pertaining to manufacturing in India were discussed.

Youtube link of training/ activity:

Social media link:

Feedback from the participants:

A Google form was used to collect feedback from the attendees, who were asked to score the event on a scale from 1 to 5 and make suggestions for ways in which it may be improved further. Participants expressed a desire for additional events like this one to be held on a variety of topics relating to startups, which received an average rating of 4 on a scale of 5 from which they were rated, and the feedback received was generally favorable. The exposure to a modern

Lab facility was well received. Students and Faculty alike, expressed their deep hope of starting a manufacturing business in the near future.

Summary of the event and other details:

- Giving overview of different project and operational mechanism to the student and faculty members

- 1. Students and faculty members/participants got familiarized with modern Manufacturing equipment at the AICTE IDEA LAB INCUBATION CENTRE.
- 2. Both Additive and Subtractive manufacturing facilities were introduced to the participants.
- 3. Participants were trained on CNC, LASER ENGRAVER and 3D Printing.
- 4. Small Parts manufacturing and sustained manufacturing protocols were discussed.
- 5. Special stress was on protecting Ideas through IP protection Law as applied to manufacturing.
- 6. Participants after undergoing this one day training, are assumed to be able to further their manufacturing business ideas in collaboration with AICTE IDEA LAB.

- Interaction with different stakeholders about their roles, how they work on their given task, challenges

- 1. Participants were acquainted with our Alumnus through a web meet, who has successfully started a business of his own.
- 2. Alumni, being an integral stakeholder played a crucial role to inculcate the very ethos of entrepreneurialism.

Name of the event:
Field Visit to Incubation Unit

Date and Time of the event:
25th February 2022

Venue:
AICTE IDEA Lab BCREC

Mode:
Offline

Resource person(s):
Dr. Abhijit Banerjee, ECE
Dr. Kamalika Tiwari, EE
Prof. Subhrangshu Chandra, MCA

No of Participants:

Students: ~45

Faculty: 23

List of Participants:

Students



Name	Department	Roll No	Contact
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Krishna Roy



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Faculty members

Name of The Participant	Department of the Participant
Krishna Roy	FMS
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Ananandaprova Majumder	CSE
Sayanti Samanta	FMS
Suman Karmakar	ME
Shovan Roy	CE
Abhijit Banerjee	ECE
Kamalika Tiwari	EE
Sohini Ghosh	FMS
Subhrangshu Chandra	MCA
Shouvick Chandra	FMS
Sumit Banerjee	EE
Debaprasad Mukherjee	IT
Somroop Siddhanta	FMS
Arunava Mookherjee	FMS
Bhaswati Roy	FMS
Indrani Sengupta	FMS
Partha Chattopadhyay	FMS
Sandip Mukherjee	FMS

Krishna Roy



Niloy Kumar Bhattacharjee	FMS
Priyanka Roy	IT
Sandip Chakraborty	IT
K H Mondal	IT

Priyanka Roy

