



**“Entrepreneurship and Innovation as career opportunities”**  
**14<sup>th</sup> December, 2021**  
**3.00 PM onwards**

**Objective of the event:** To give an insight to the entrepreneurship, innovation and to take it as carrier.

**Venue:** Online

**Speaker:** Mr. Tapas Piplai, CEO, Capability Enhancement Centre, Pune

**No: of participants: 54**

**Description of the Event**

The MHRD IIC section of Narula Institute of Technology has organized a webinar on “Entrepreneurship and Innovation as career opportunities” on 14<sup>th</sup> December, 2021 from 3.00 PM onwards through Google meet Platform with an aim to inculcate Entrepreneurship skills in students.

In this program, honorable speaker, Mr. Tapas Piplai, CEO, Capability Enhancement Centre, Pune gave an informative and interactive session to motivate the participants towards innovation and entrepreneurship.

The session was really enriching and cultivated great interest in the minds of the participants followed by the excellent doubt clearing session. More than 90 members attended the live session through Google meet while the rest were watching through YouTube live. Finally at the end of the webinar the speaker was acknowledged and presented with memento as an effort of appreciation. The Coordinators were Dr. Sumit Chabri, Dr. Avishek Chakraborty and Mr. Goutam Roy-members, MHRD-IIC, NIT.

The formal vote of thanks was extended by Dr. Sandhya Pattanayak, Convener- MHRD-IIC, NIT.

Few glimpses and the video link are attached herewith for your reference.

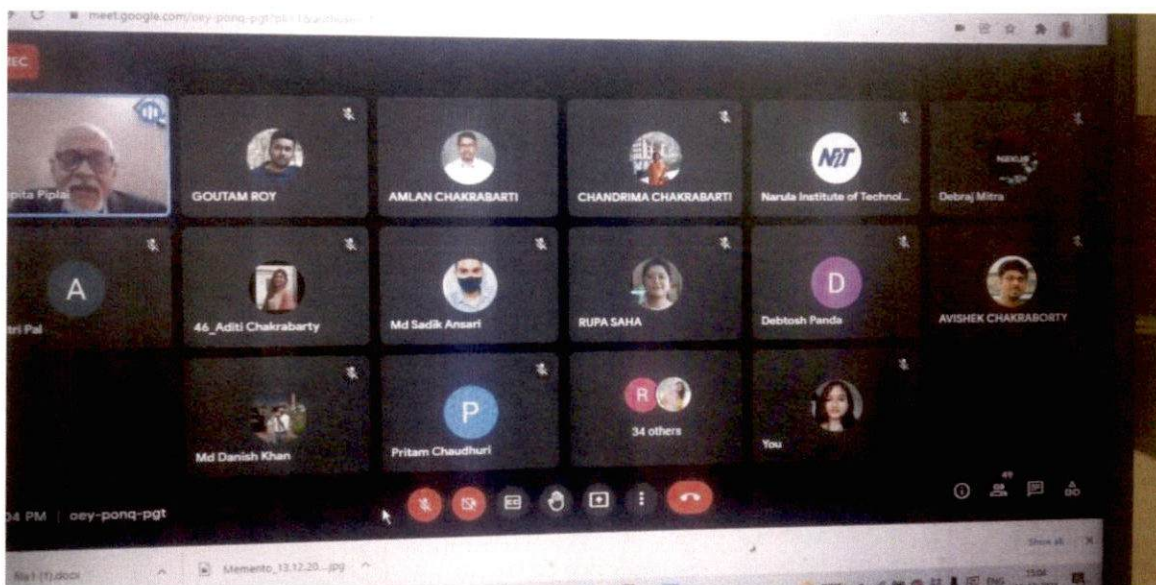
<https://drive.google.com/file/d/17Gx-9QMvTCcoOPSZYxeSyuvb-9orw0Fs/view?ts=61c2ca14>

*S. Prasad*  
Principal

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81, Nilgunj Road, Agarpara, Kol-109

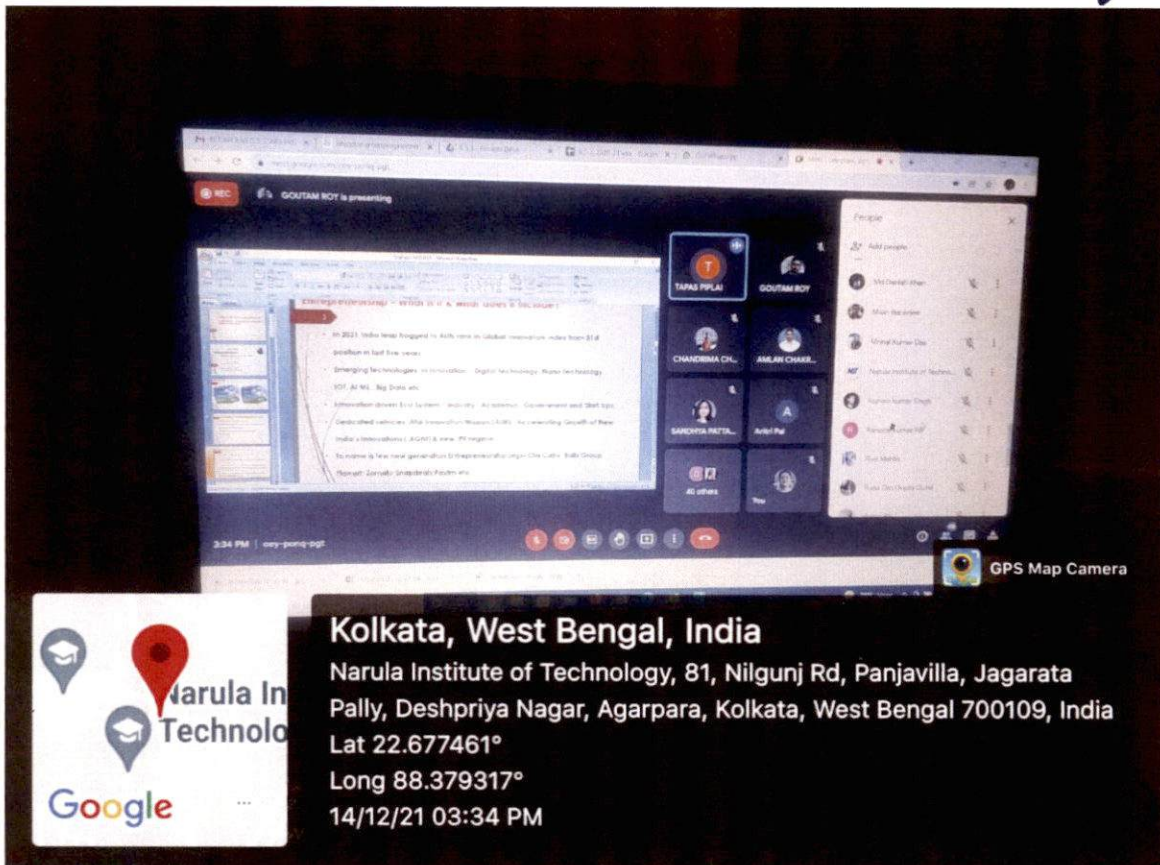


Mr. Tapas Pilplai giving the Session Dated: 14/12/2021



Mr. Tapas Pilplai giving the Session Dated: 14/12/2021

*S. Ranjani*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



**Kolkata, West Bengal, India**

Narula Institute of Technology, 81, Nilgunj Rd, Panjavilla, Jagarata Pally, Deshpriya Nagar, Agarpara, Kolkata, West Bengal 700109, India  
Lat 22.677461°

Long 88.379317°

14/12/21 03:34 PM

Mr. Tapas Piplai giving the Session Dated: 14/12/2021



**Khardaha, West Bengal, India**

NARULA INSTITUTE OF TECHNOLOGY, Jagarata Pally, Deshpriya Nagar, Beighoria, Kolkata, West Bengal 700109, India  
Lat 22.676682°

Long 88.379156°

14/12/21 03:38 PM

Audience Dated: 14/12/2021















*S. Banerjee*  
Principal

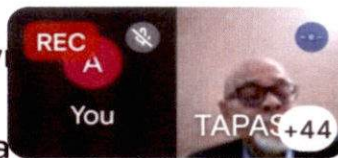
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← About this call

People

Information

-  Admin Executive NIT (Y...
-  GOUTAM ROY (Present...  
Meeting host
-  GOUTAM ROY  
Meeting host
-  SANDHYA PATTANAYAK  
Meeting host
-  TAPAS PIPLAI  
Meeting host
-  03\_\_MRIGANKA BERA
-  136\_Moumita Maity
-  143\_Sruti Bodhak
-  145\_Srijita Das
-  146\_Anam Ali\_ECE
-  155\_Susmita Giri
-  159\_Sakshi Singhania
-  16\_Kaustav Bhow
-  17\_Adrisha Dutta



Audience Dated: 14/12/2021

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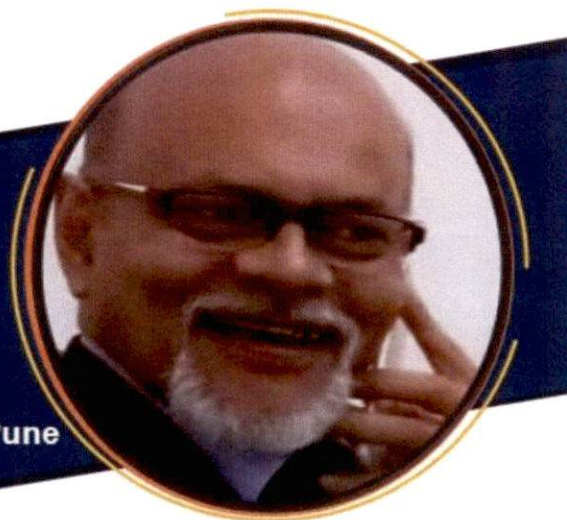
**WEBINAR**

**Workshop on "Entrepreneurship and Innovation as Career Opportunities"**

**Organized by  
MHRD IIC CELL**

**SPEAKER**

**Mr. Tapas Piplai**  
Executive Director & CEO  
Capability Enhancement Centre, Pune



**14<sup>th</sup> December  
2021  
3 PM Onwards**

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Session Dated: 14/12/2021

*S. Basappa*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
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**"My Story - Motivational Session by Successful Entrepreneur/Startup founder"**

**13th December, 2021 from 11 AM onwards.**

**Objective:** To discuss the story of **Mr. Arijit Das**, growing as an entrepreneur and encouraged the students to build up their lives and careers in an optimistic way by boosting up the inner energy of the budding innovators to find their true success.

**Venue: Online**

**Speaker: Mr. Arijit Das, Director, Schoppen Solutions Pvt. Ltd.**

**No: of participants: 36**

**Description of the Event:**

The MHRD IIC section of Narula Institute of Technology has organized an online session on "My Story - Motivational Session by Successful Entrepreneur/Startup founder" on 13th December, 2021 from 11 AM onwards. The speaker was Mr. Arijit Das, Director, Schoppen Solutions Pvt. Ltd.

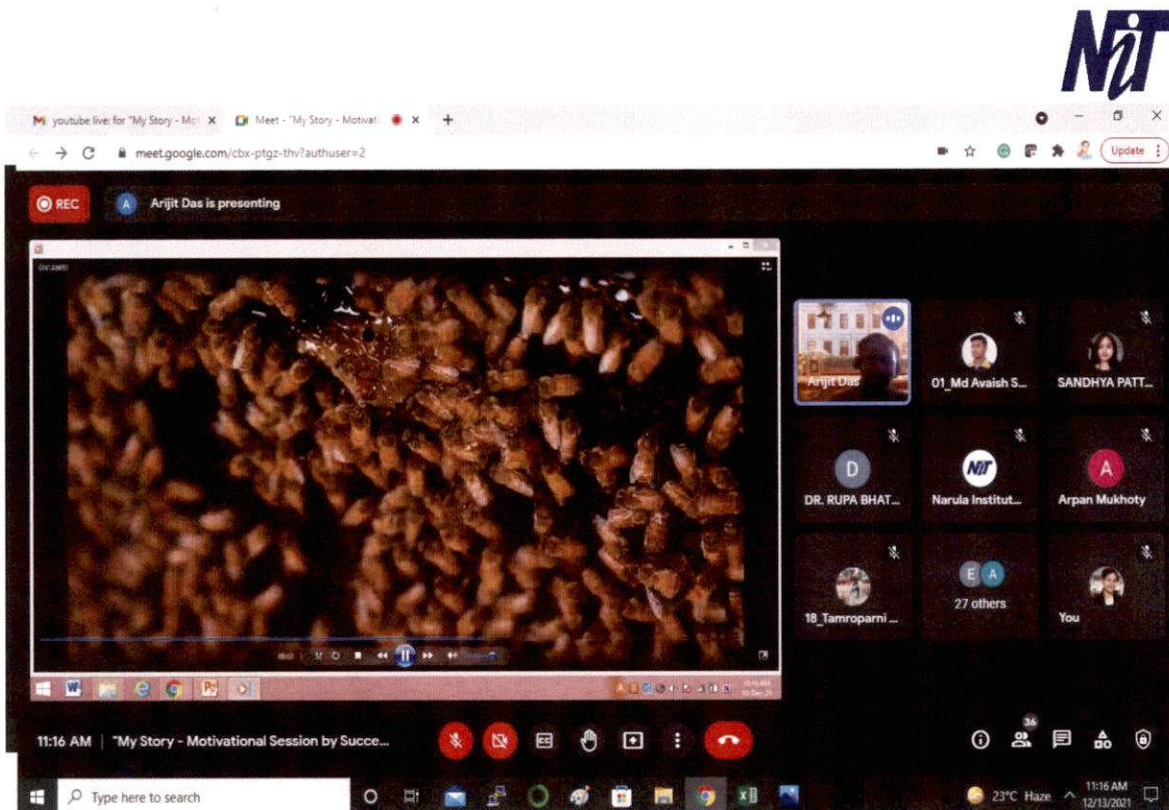
Mr. Das shared his own story of growing as an entrepreneur and encouraged the students to build up their lives and careers in an optimistic way by boosting up the inner energy of the budding innovators to find their true success. He also shared some videos of honey collection processes with advanced technology. The program was very much beneficial for the budding engineers for their startup creation and to fulfill their dreams & grow as an entrepreneur.

The event was coordinated by Dr. Anilesh Dey, DR. Rupa Bhattacharyya and Ms. Susmita Das-Members of MHRD, IIC section, NIT and the vote of thanks was extended by Dr. Sandhya Pattanayak-Convener, MHRD, IIC section, NIT.

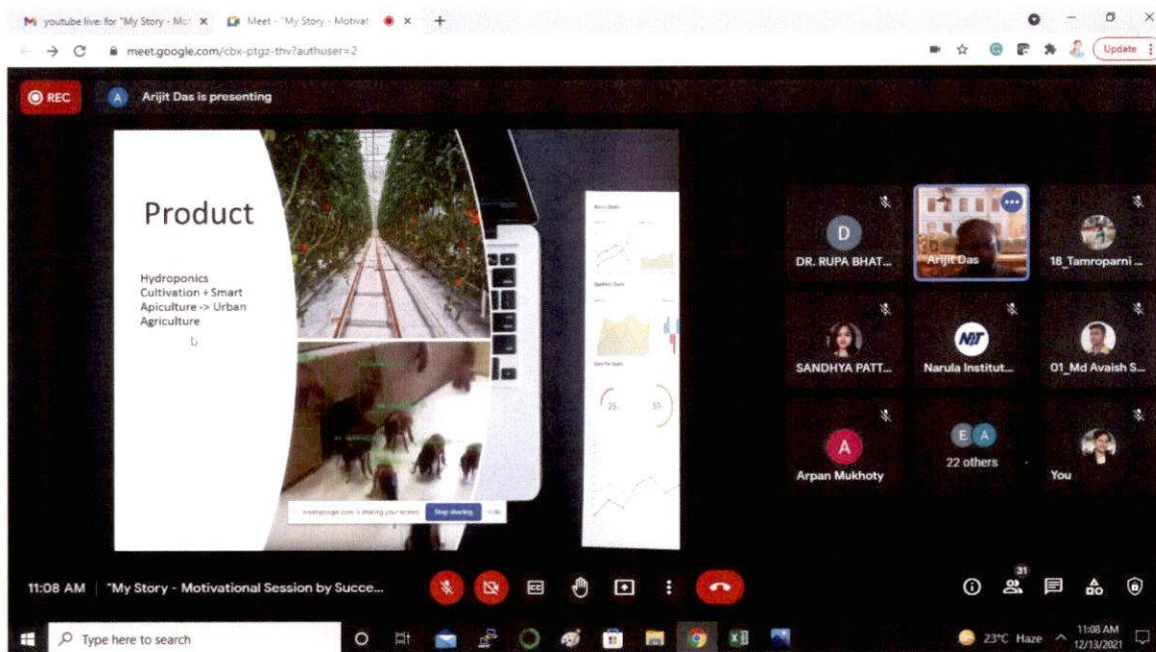
pictures and proof of attendance

*S. Banerjee*  
Principal

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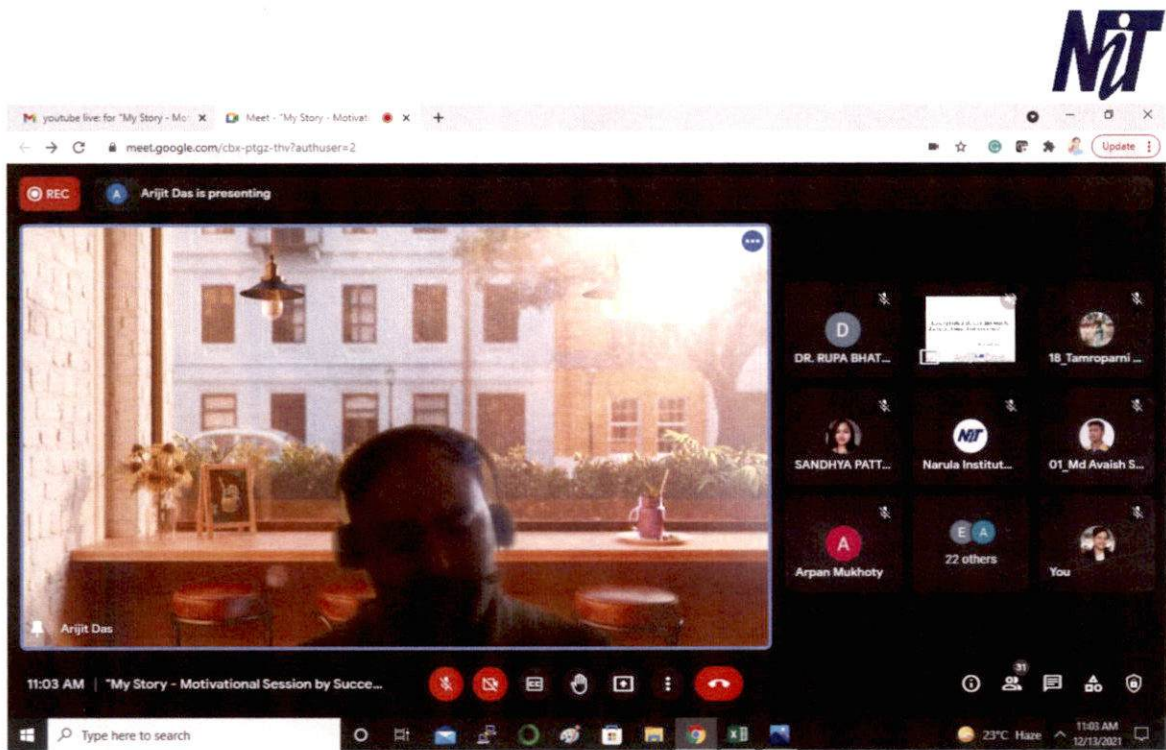


Session ongoing Dated: 13/12/2021

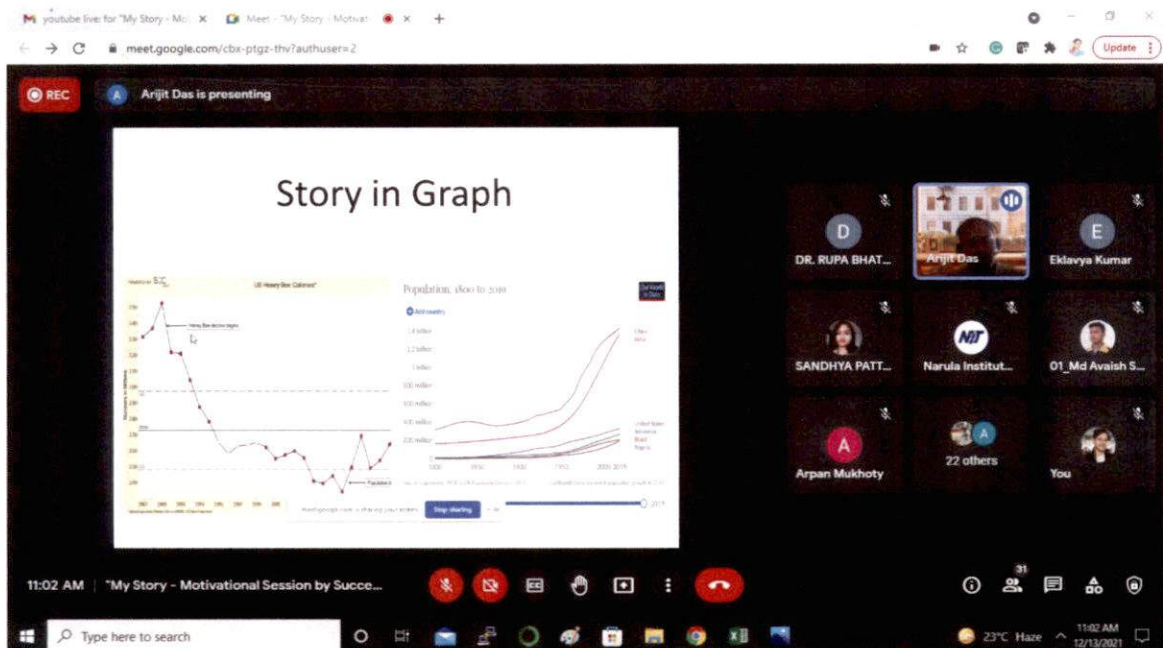


Session ongoing Dated: 13/12/2021

*S. Banerjee*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
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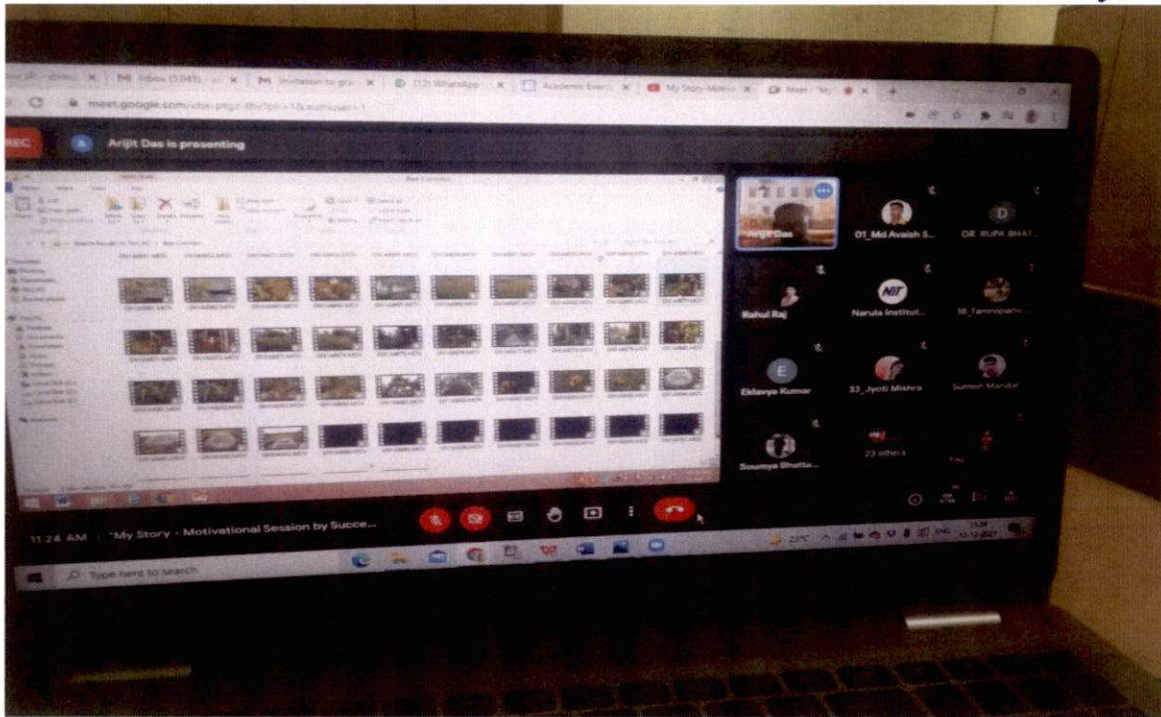
Session ongoing Dated: 13/12/2021



Session ongoing Dated: 13/12/2021

S. Banerjee  
Principal  
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Session ongoing Dated: 13/12/202

 **WEBINAR**

**My Story - Motivational Session by Successful Entrepreneur/Startup Founder**

**Organized by**  
**MHRD IIC CELL**

**SPEAKER**

**Mr. Arijit Das, Director**  
**Schoppen Solutions Pvt Ltd**  
**Kolkata**



**13<sup>th</sup> December**  
**2021**  
**11 AM Onwards**

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Session Dated: 13/12/2021

*S. Banerjee*  
Principal  
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**"Workshop on Entrepreneurship Skill, Attitude and Behaviour  
Development"**

**on**

**4th February, 2022 at 3PM.**

**Objective of the event:** spark the entrepreneurial spirit in the budding innovators Outcome: development of strategic thinking and scenario planning skills as well as the ability to make intuitive decisions based on little knowledge in entrepreneurship

**Venue:** Seminar Hall, Narula Institute of Technology

**Speaker: Mr. B. P. Pattnaik, CEO of CGU Incubators, Odisha.**

**No: of participants: 100**

**Description of the Event:**

The MHRD-IIC, Narula Institute of Technology has organized an online session "Workshop on Entrepreneurship Skill, Attitude and Behaviour Development" on 4th February, 2022 at 3PM. The Speaker was *Mr. B. P. Pattnaik, CEO of CGU Incubators, Odisha.*

The session started with a welcome address by Prof. Amlan Chakraborty, COE-NIT & Vice President, MHRD-IIC, NIT. He also welcomed the speaker and briefed about the objective of the program. The whole session was coordinated by Dr. Sriparna Guha-Head, BA Department, NIT.

This workshop aimed to spark the entrepreneurial spirit in the budding innovators by guiding them on how to convert their Innovative Ideas and emerge as successful Entrepreneurs. Becoming an entrepreneur is an important career decision, and to plunge into this domain requires the right skill set, attitude, and behaviour.

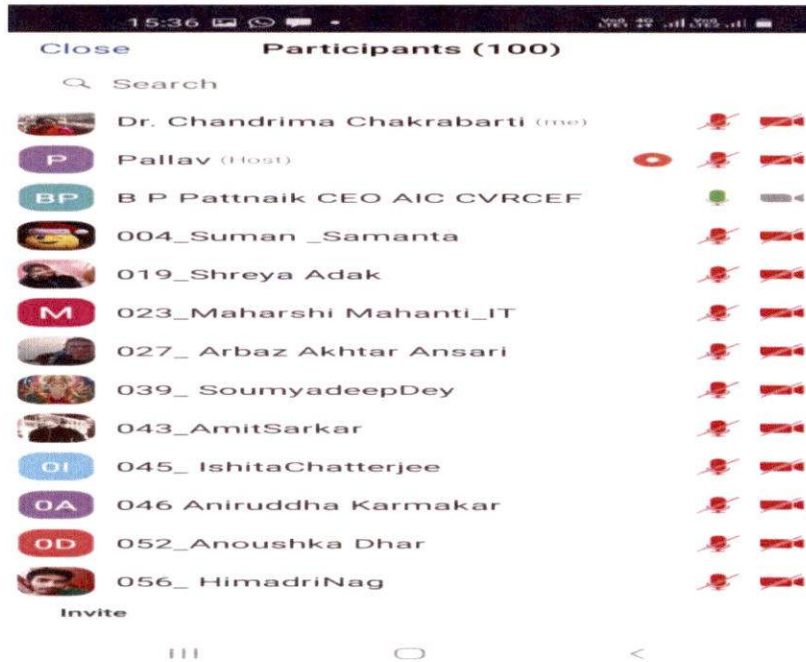
Mr. Pattnaik highlighted the development of strategic thinking and scenario planning skills as well as the ability to make intuitive decisions based on little knowledge. The workshop witnessed an active participation of 100 participants including students and faculty members.

The workshop was concluded with a Q&A session followed by a formal vote of thanks by Ms. Punita Gaba, Executive Administration, NIT.

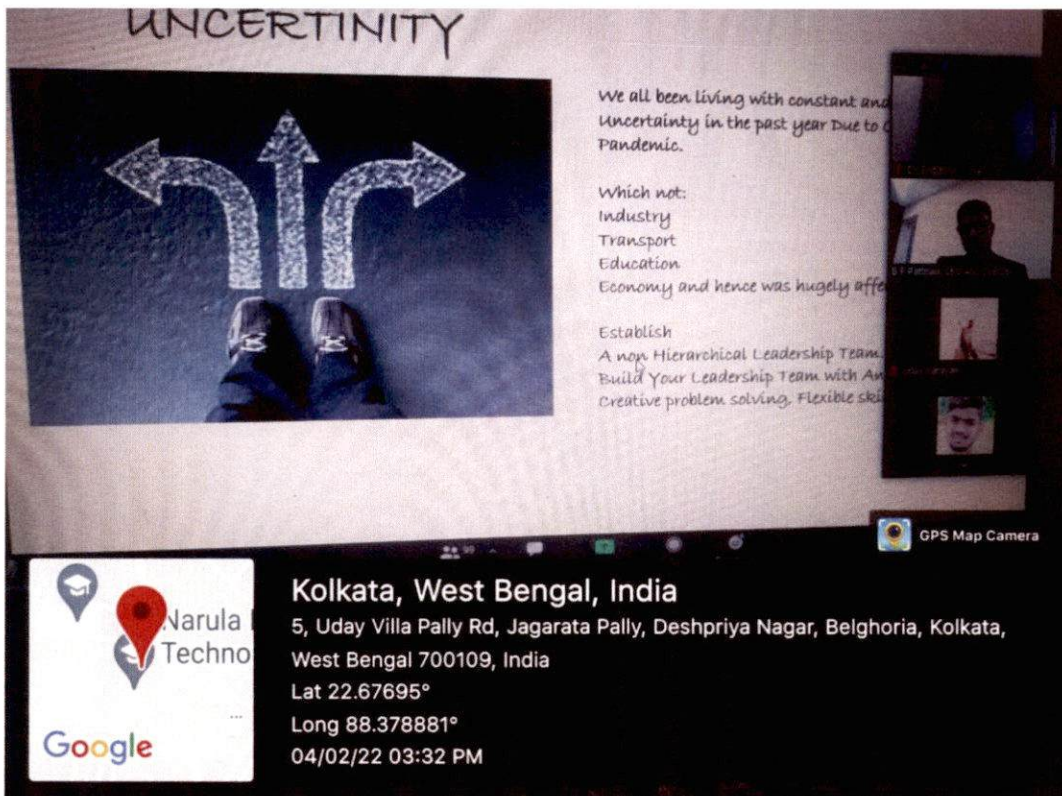
The pictures and video link is attached herewith for reference.

*S. Banerjee*  
Principal

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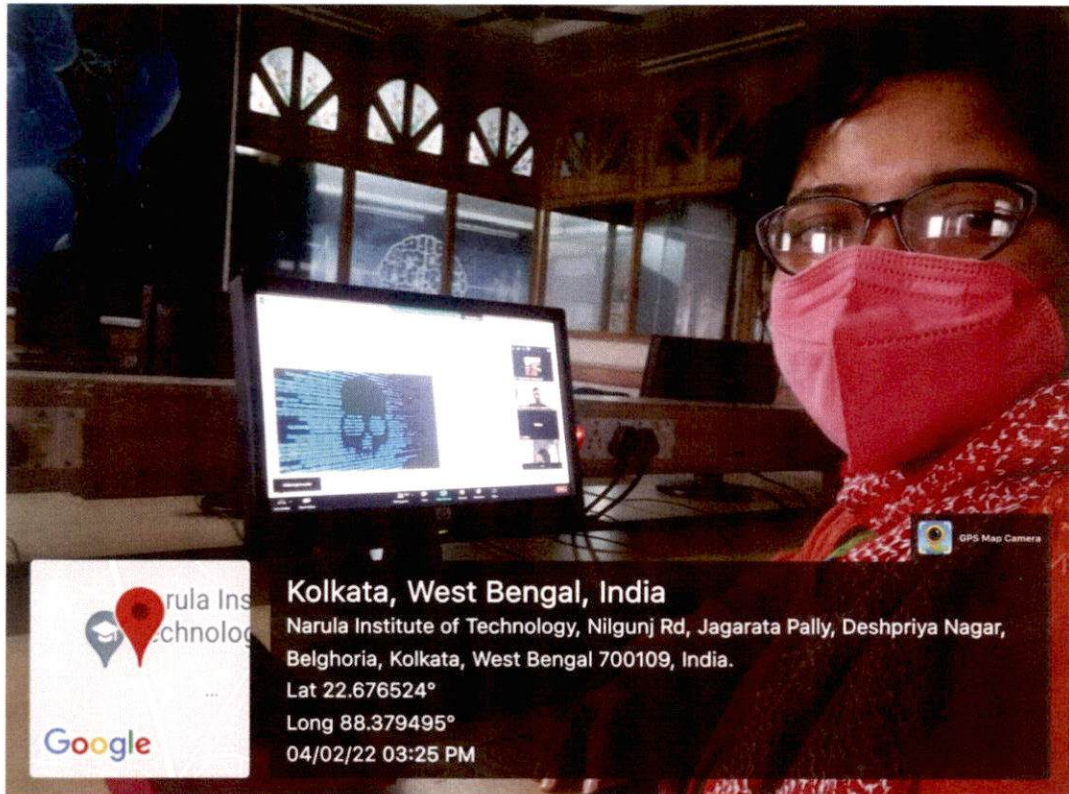


Session ongoing Dated: 4th February, 2022



Session ongoing Dated: 4th February, 2022

*S. Banerjee*  
Principal  
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Session ongoing Dated: 4th February, 2022



Session ongoing Dated: 4th February, 2022

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Principal  
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## Workshop on Entrepreneurship skill, Attitude and Behaviour Development

Organized by

MHRD Cell

SPEAKER

Mr. B.P. Pattnaik

CEO of CGU Incubators, Odisha

Reg Link :

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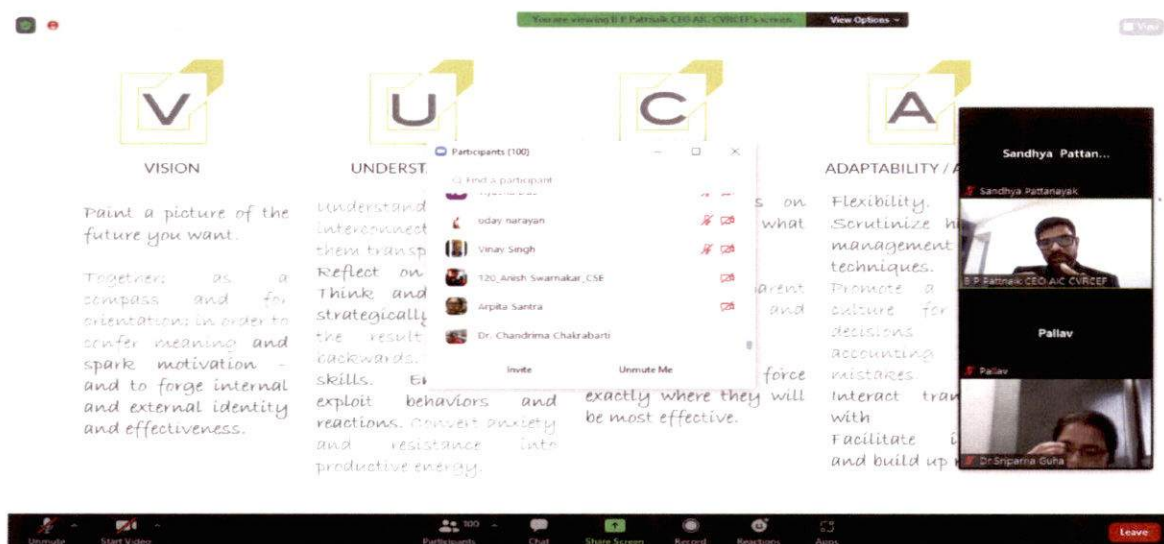
4<sup>th</sup> February, 2022  
3 PM Onwards

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Session Dated: 4th February, 2022



Session ongoing Dated: 4th February, 2022

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**"Design Thinking, Critical thinking and Innovation Design'  
on  
9th February 2022**

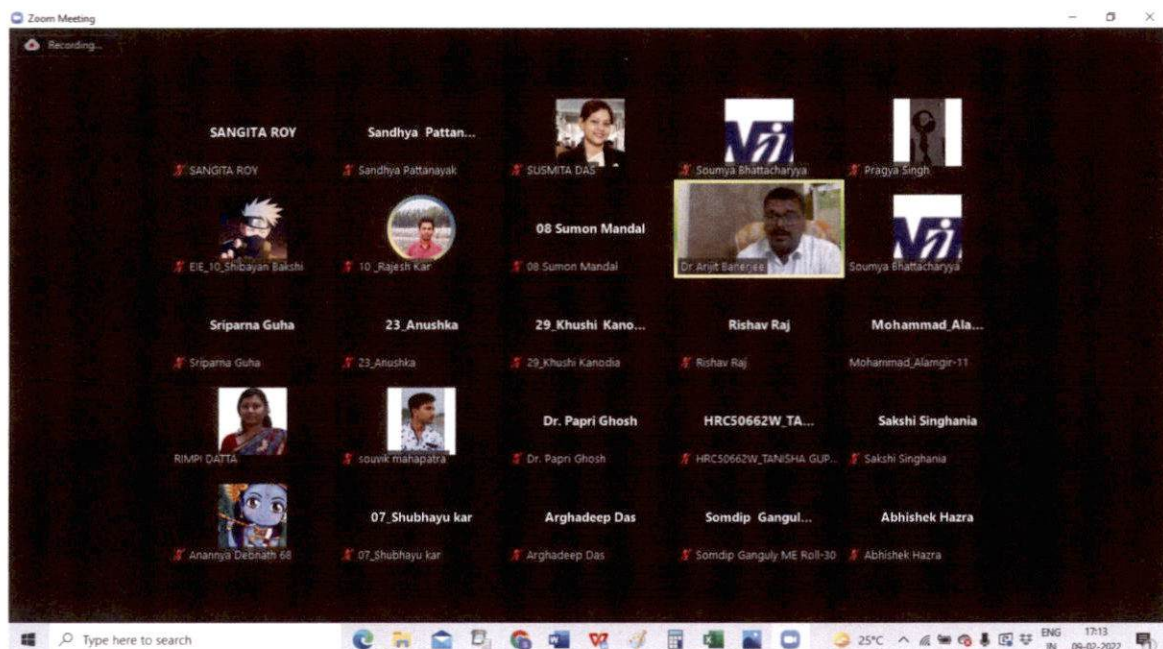
**Speaker: Dr. Arijit Banerjee, The Toilet Man of Bengal, Executive Director, Ramaesis RPL Perfect Pause.**

**Objective: to motivate students for design thinking based on society need.**

**Venue: online**

**Date of event: start date 09/02/2022**

**No: of participants: 46**



Session ongoing Dated: 09/02/2022

**Outcome:**

**The students learned how design is changed to cater with the need and application of society, make the product marketable.**

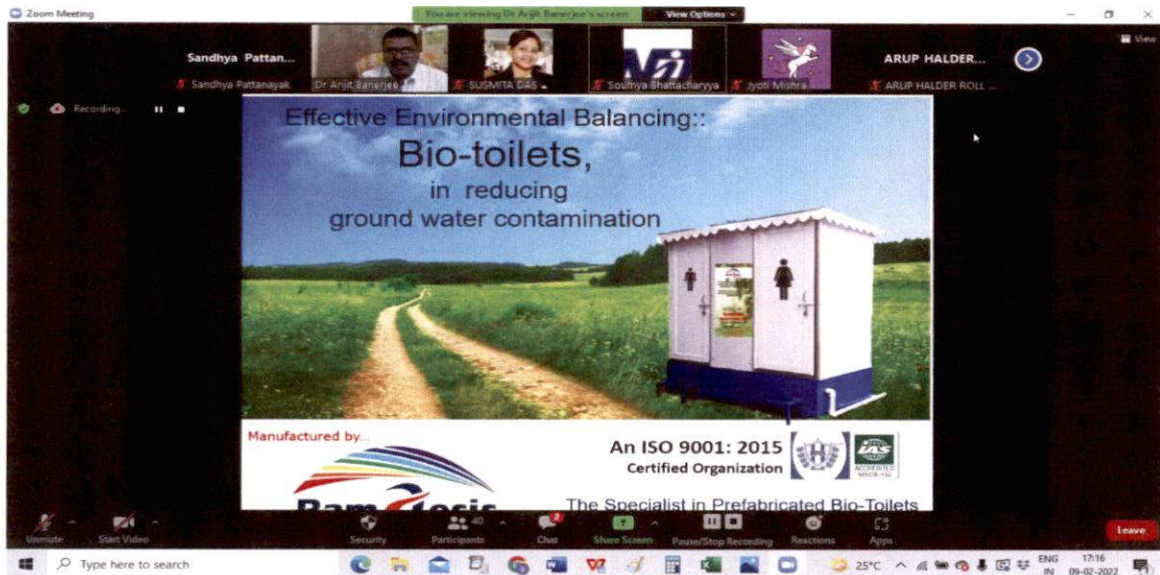
**Details of the event**

The MHRD-IIC section of Narula Institute of Technology has organized a webinar on **"Design Thinking, Critical thinking and Innovation Design'** on 9th February 2022 from 5 PM under the IIC cell activities. **The speaker was Dr. Arijit Banerjee, The Toilet Man of Bengal, Executive Director, Ramaesis RPL Perfect Pause.**

The coordinator Ms. Susmita Das, Assistant Professor-EIE Department welcomed the speaker and shared his achievements in converting the concept of toilets in India & in reducing ground water contamination. Mr. Banerjee shared his experience and motivated the students to follow their dream if they truly believe in themselves. He also discussed the importance of innovation in every field to achieve success.

*S. Banerjee*  
Principal

Total 46 participants attended the session. It was very interactive and all the participants thoroughly enjoyed it. Through this program the students have gathered knowledge about the design thinking methodology for the hardware design of any techno-commercial product as per market requirement



Session ongoing Dated: 09/02/2022



Session ongoing Dated: 09/02/2022

*S. Banerjee*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
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**GOUTAM ROY**

114. Rajaasree...  
Sandhya Pattan...  
1. I often set a goal but later choose to pursue a different one.  
2. I am a hard worker.  
3. I have difficulty maintaining my focus on projects that take more than a few months to complete.  
4. I finish whatever I begin.  
5. My interests change from year to year.  
6. I am diligent. I never give up.  
7. I have been obsessed with a certain idea or project for a short time but later lost interest.  
8. I have overcome setbacks to conquer an important challenge.

Khardaha, West Bengal, India  
NARULA INSTITUTE OF TECHNOLOGY, Jagarata Pally,  
Deshpriya Nagar, Belghoria, Kolkata, West Bengal 700109,  
India  
Lat 22.676853°  
Long 88.379261°  
09/02/22 05:34 PM

Session ongoing Dated: 09/02/2022

**Evaluation**

For Questions 1,3,5,7,9 – Give Scores as follows:

- Very much like me - 1
- Mostly like me - 2
- Somewhat like me - 3
- Not much like me - 4
- Not like me at all - 5

For Questions 2,4,6,8,10 – Give Scores as follows:

- Very much like me - 5
- Mostly like me - 4
- Somewhat like me - 3
- Not much like me - 2
- Not like me at all - 1

- Add all the total score and divide by 10 – **Ability to Succeed**
- Add scores of all odd numbered question and divide by 5 - **Endurance**
- Add scores of all even numbered questions and divide by 5 - **Perseverance**

Session ongoing Dated: 09/02/2022

*S. Banerjee*  
Principal  
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**WEBINAR**

**Design Thinking, Critical thinking and Innovation Design**

Registration Link : <https://forms.gle/utoD3Xru5YAZT6pS6>

**Organized by**

MHRD IIC section of NiT

**SPEAKER**

**Dr. Arijit Banerjee**  
The Toilet Man of Bengal, Executive  
Director, Ramaesis RPL Perfect  
Pause



**9<sup>th</sup> February, 2022**  
**5 PM Onwards**

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Session Dated: 09/02/2022

*S. Banerjee*  
Principal  
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**Idea competition and pitching event for scouted and Mentoring with  
Innovations Ambassador**

**10th Feb 2022**

**Objective:** To collect innovative ideas from students, evaluate and take them to the next level of TRL

**Venue:** Online

**No: of participants: 63**

**Speakers:**

Prof Amlan Chakraborty, CEO, NiT

Dr. Sandhya Pattanayak, Innovation ambassador, ECE Dept, NiT

Dr. Rupa Bhattacharyya, Innovation ambassador, BS&HU Dept, NiT and Students, Narula Institute of Technology

**Description of the event:**

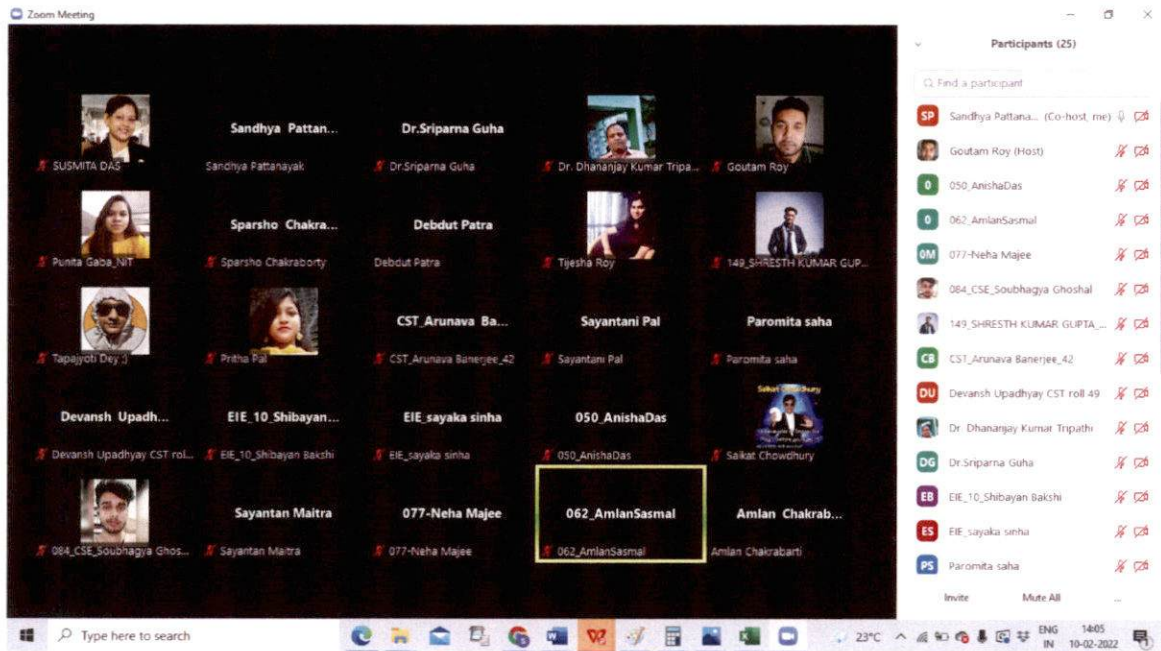
**Ideas from the students were presented and were guided and mentored by the innovation ambassadors and the judges**

**Ideas Presented were.**

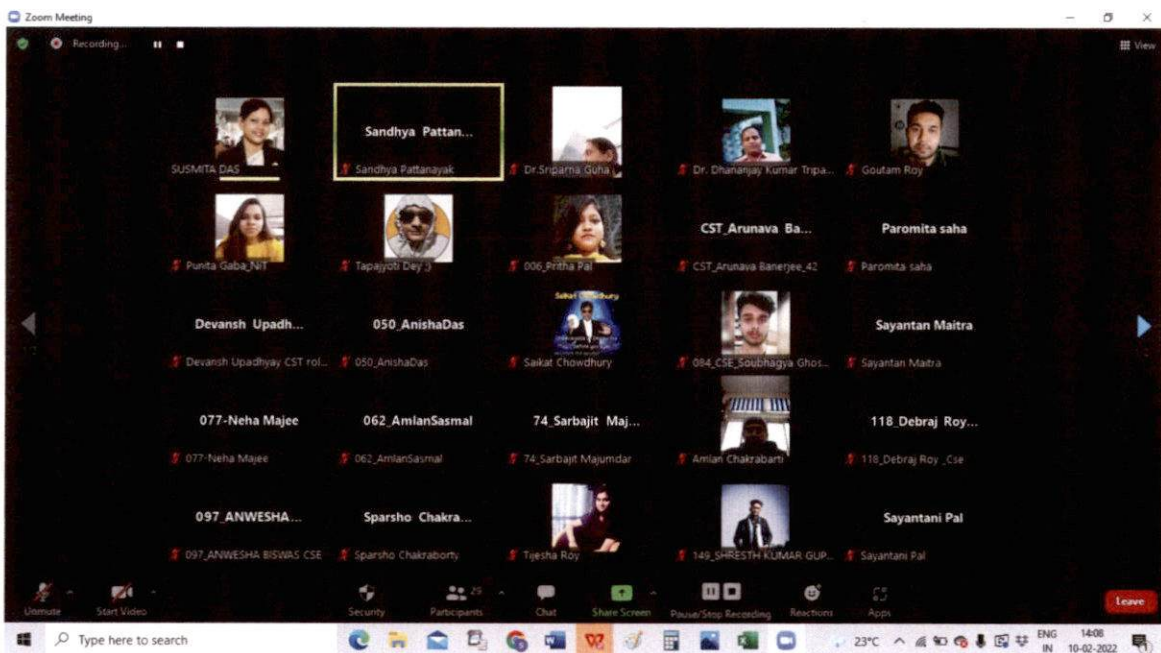
- MediNet - Medicine with Internet Connectivity
- NOX-POD
- Mini biogas plant
- THE WONDER DUSTBIN
- Net Molder
- Skillx
- Health Monitoring and Diagnosis System
- Prevention Of Road Accident At Blind U Turn By Utilising Solar Energy
- Paranormal Investigation
- PRESSURE SENSOR BASED DOOR ALARM WITH FACE RECOGNITION
- Mimic-o-bot
- Smart gas cylinder Stand
- Navigation Shoe

*S. Banerjee.*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
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**Outcome:** Students came up with ideas to solve problems

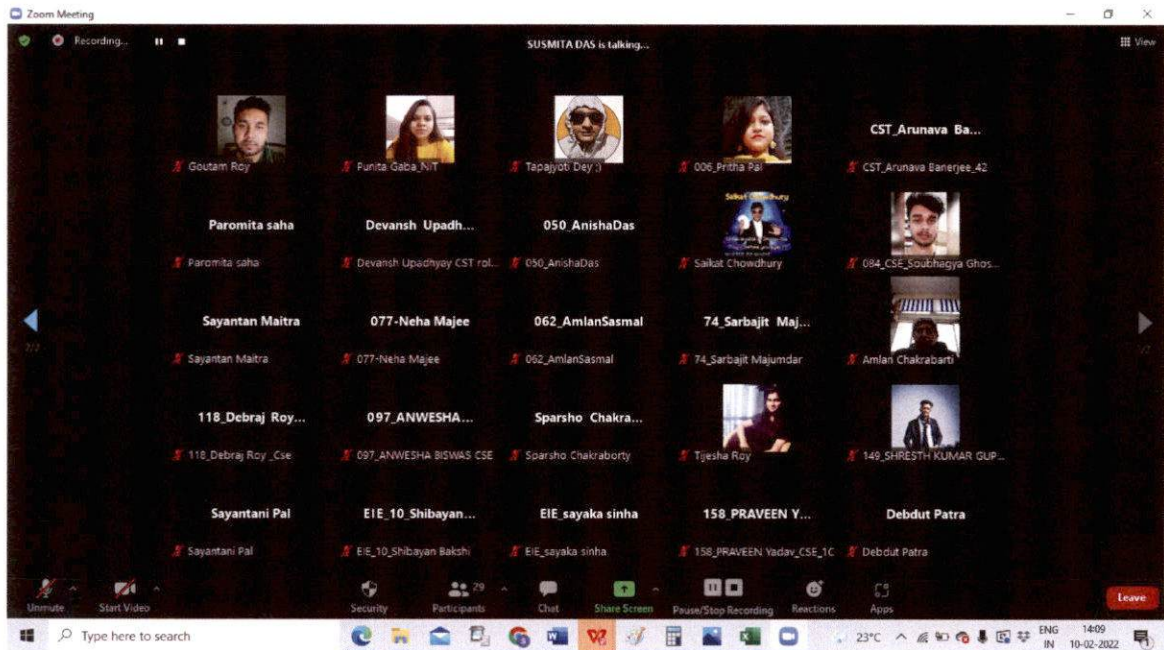


Session ongoing: Dated: 10/02/2022

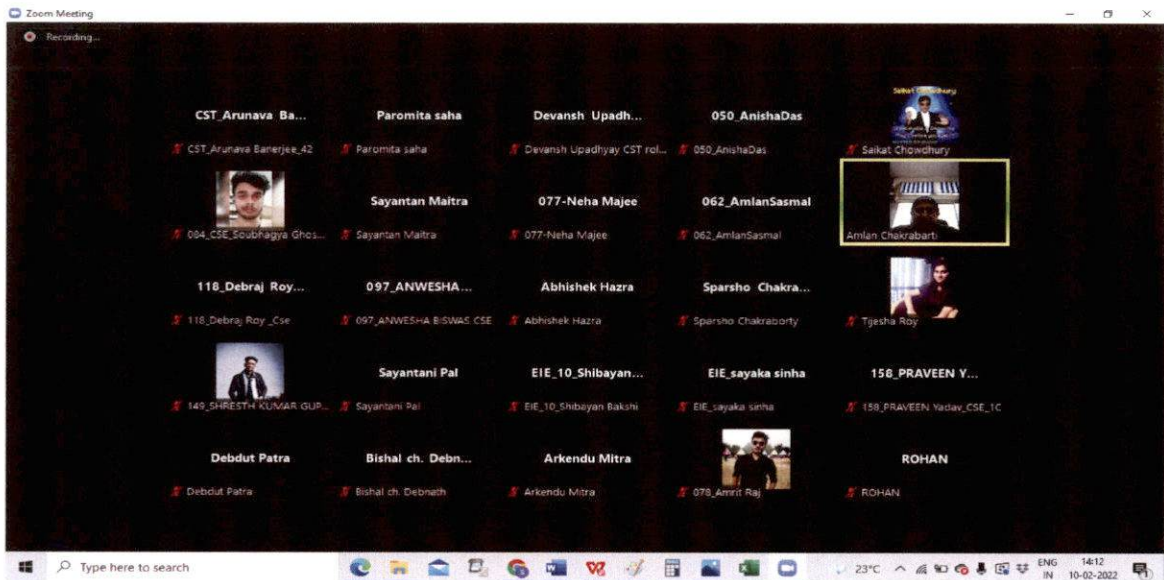


Session ongoing: Dated: 10/02/2022

*S. Sarajan*  
 Principal  
 NARULA INSTITUTE OF TECHNOLOGY  
 81, Nilgunj Road, Agarpara, Kol-109



Session ongoing: Dated: 10/02/2022



Session ongoing: Dated: 10/02/2022



**"MY STORY-MOTIVATIONAL SESSION BY SUCCESSFUL INNOVATOR"**

**on**

**15th December, 2021 from 4 PM onwards**

**Objective of the event:** To motivate students towards entrepreneurship

**Venue:** Online

**Speakers :** TuhinBanik, CEO of THATWARE, BOARD OF DIRECTORS OF MY BETTING DEALS U.K LTD.

**Number of participants: 100**

**Description of the Event:**

The MHRD IIC Section of Narula Institute of Technology organized a webinar on "MY STORY-MOTIVATIONAL SESSION BY SUCCESSFUL INNOVATOR" on 15th December, 2021 from 4 PM onwards through the Zoom Platform.

The session was facilitated by Mr. TuhinBanik, CEO of THATWARE, BOARD OF DIRECTORS OF MY BETTING DEALS U.K LTD. Mr. Banik is also an alumni of ECE Dept of Narula Institute of Technology.

He gave a very motivating session on Entrepreneurship and the startup he is working on. He shared his experiences as an entrepreneur and guided the participants to think on solving real time problems. The major takeaway of the program was the experiences shared by him and his advice for budding entrepreneurs to believe in themselves and continuous effort to achieve their goals with pure dedication.

The Programme was jointly hosted and coordinated by Dr.Sriparna Guha, Dr.AnileshDey,Dr. Sandhya Pattanayak and Mr. Soumya Bhattacharyya.

On the whole it was a wonderful session. More than 100 members attended the live session through Google meet while the rest were watching through YouTube live. Finally at the end of the webinar the speaker was acknowledged and presented with memento as an effort of appreciation.

Few pictures and the YouTube link of the program are attached herewith for reference.

*S. Banerjee*  
Principal

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**WEBINAR**

**My Story - Motivational Session by Successful Innovator**

**Organized by**  
**MHRD IIC CELL**

**SPEAKER**

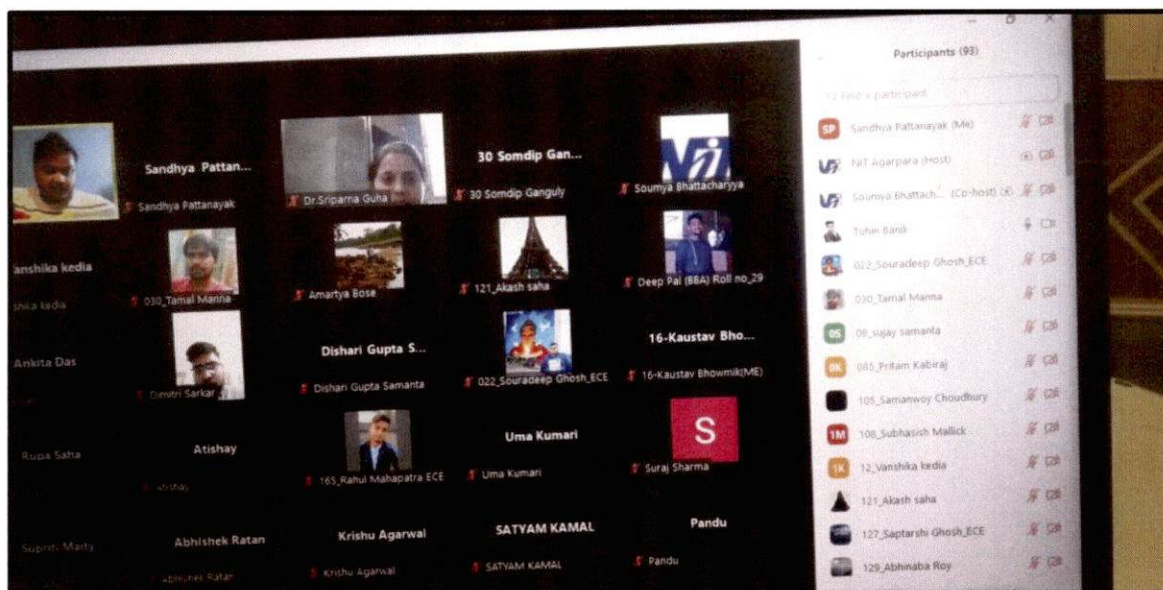
**Mr. Tuhin Banik**  
CEO of ThatWare  
Board of Director of My Betting Deals  
UK Ltd



**15<sup>th</sup> December**  
**2021**  
**4 PM Onwards**

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Session Dated: 15/12/2021



Mr. Tuhin Banik taking the session Dated: 15/12/2021

S. Ranaji  
Principal

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## NATIONAL Education DAY

**Date: 11/11/2021**

**Objective of the session:** The national Education Day was celebrated at Narula Institute of Technology to make students and faculty aware about the national education policy.

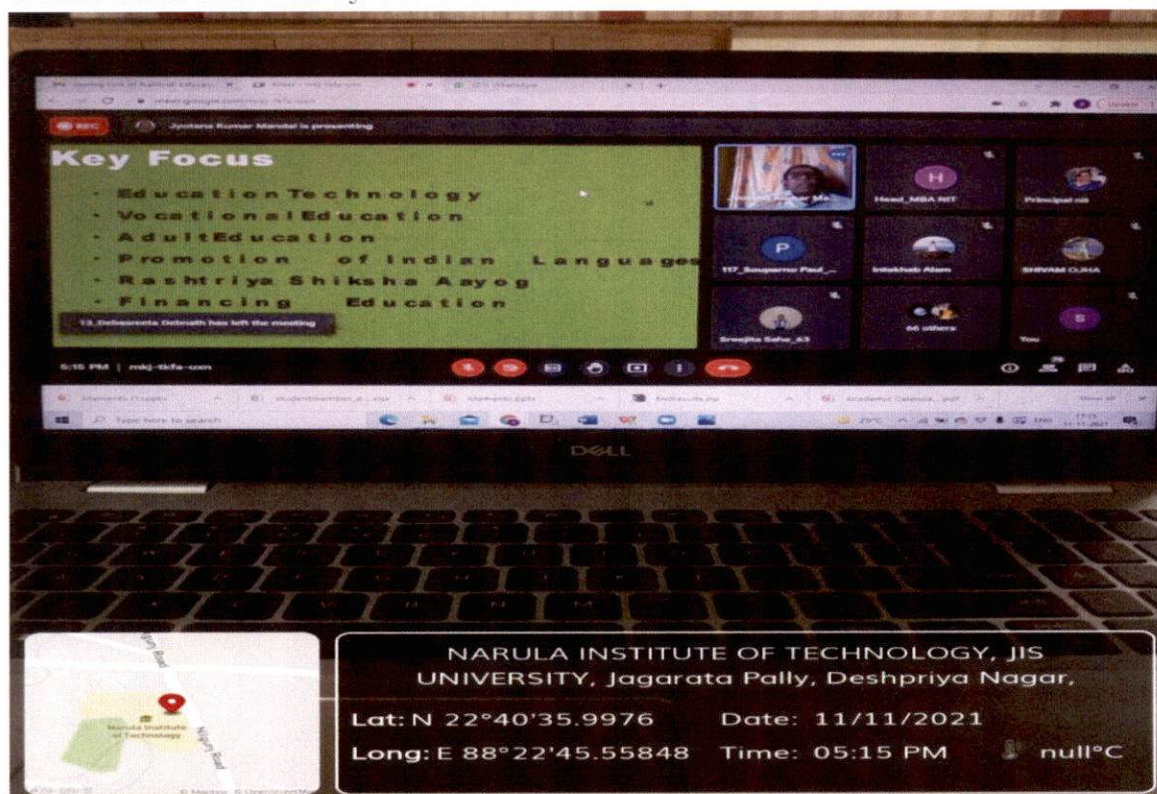
**Venue:** Seminar Hall, Narula Institute of Technology.

**Speakers :** Prof. Dr. J.K.Mandal  
Dept of CSE,  
University of Kalyani  
West Bengal.

**No: of participants: 81**

**Description of the Event:**

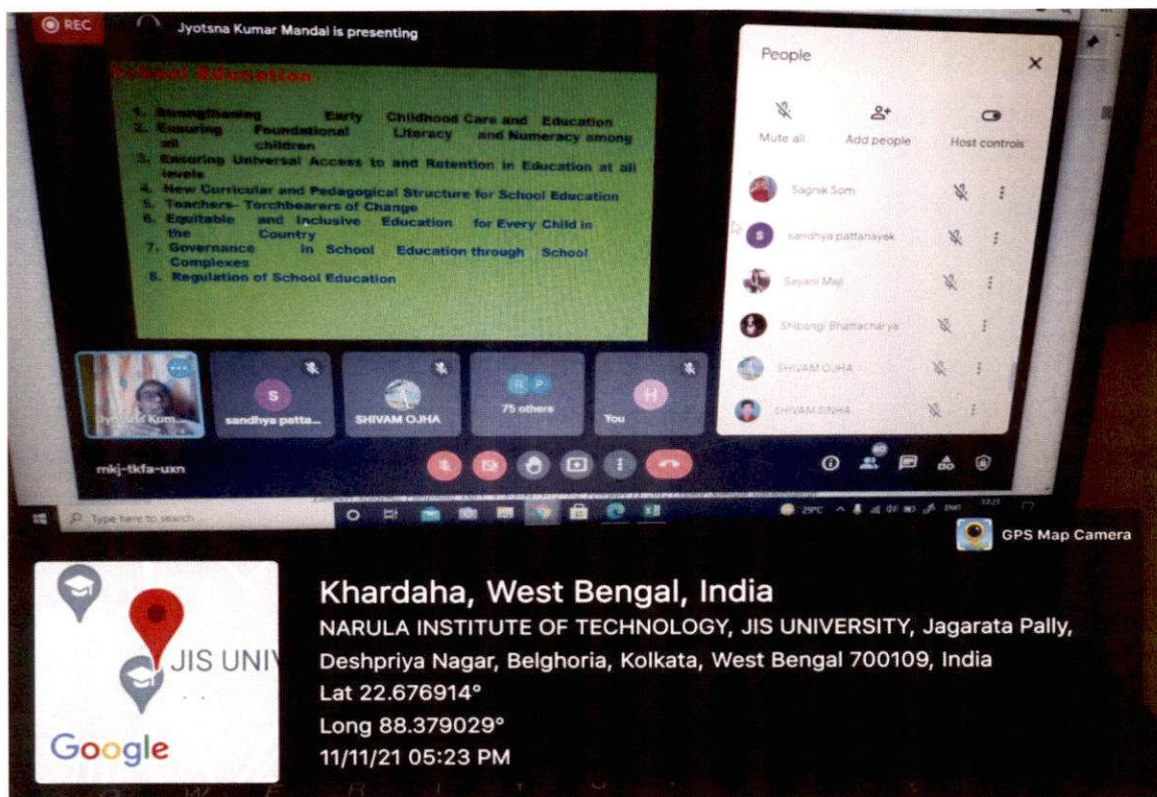
The event was coordinated by Dr. Sandhya Pattanayak and Dr. Sriparna Guha. Then followed by the session of **Prof. Dr. J.K.Mandal**



Session ongoing Prof. J.K.Mondal Dated: 11/11/2021

Prof. J.K.Mandal gave an indepth insight to the National Education Policy, importance of HEI in the building the innovation Ecosystem.

*S. Banerjee*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
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Session ongoing Prof. J.K.Mandal Dated: 11/11/2021

WEBINAR

## National Education Day

Organized by  
MHRD IIC Cell

SPEAKER

Prof. Dr. J.K. Mandal

Department of CSE  
Kalyani University

11<sup>th</sup> NOVEMBER, 2021

5:00 PM | THURSDAY

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[www.nit.ac.in](http://www.nit.ac.in)

Session of Prof. J.K.Mandal, Dated: 11/11/2021

**Outcome:** Prof. J.K.Mandal gave an indepth insight to the National Education Policy, importance of HEI in the building the innovation ecosystem.

S. Banerjee  
 Principal  
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**Pitching Event for PoCs developed & linkage with Innovation Ambassadors  
on**

**26th Feb 2022 from 12 noon.**

Organized by The MHRD IIC section of Narula Institute of Technology, Kolkata

**Objective of the session:** The main objective of the event was to students convert their ideas presented to prototype with the help of innovation ambassador.

**Venue:** Seminar Hall, Narula Institute of Technology

**Speakers :** Prof. (Dr.) Salil K Sanyal, Prof. ECE Dept, NiT, Retd. Prof. Jadavpur Univ.

**Total no: of participated is 25**

**Program Schedule**

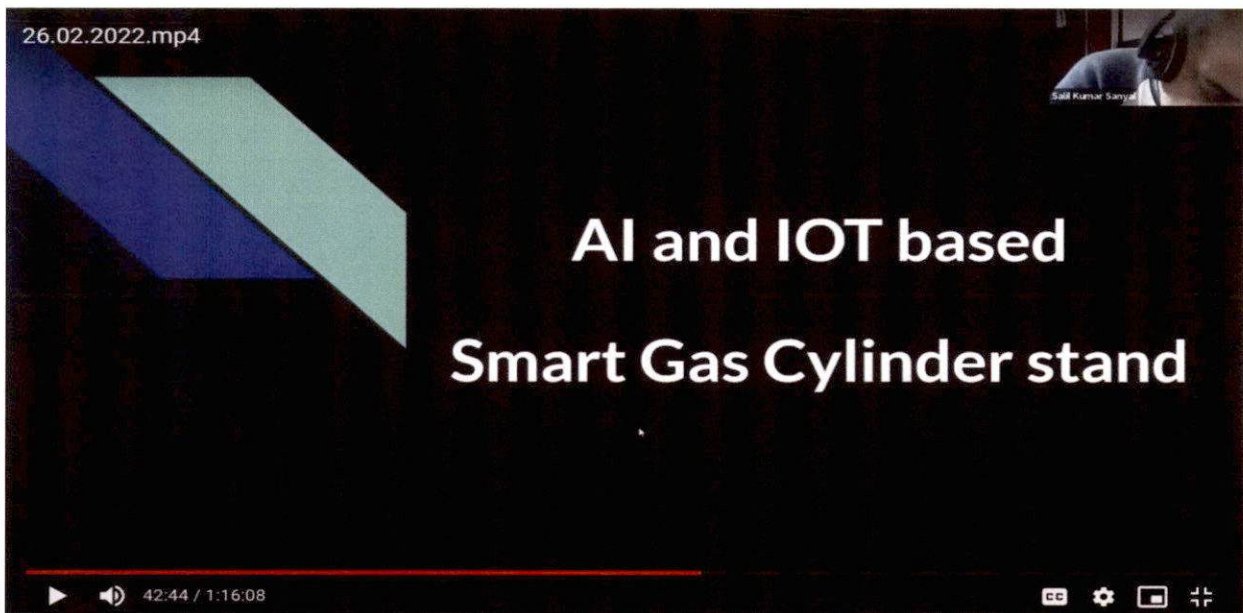
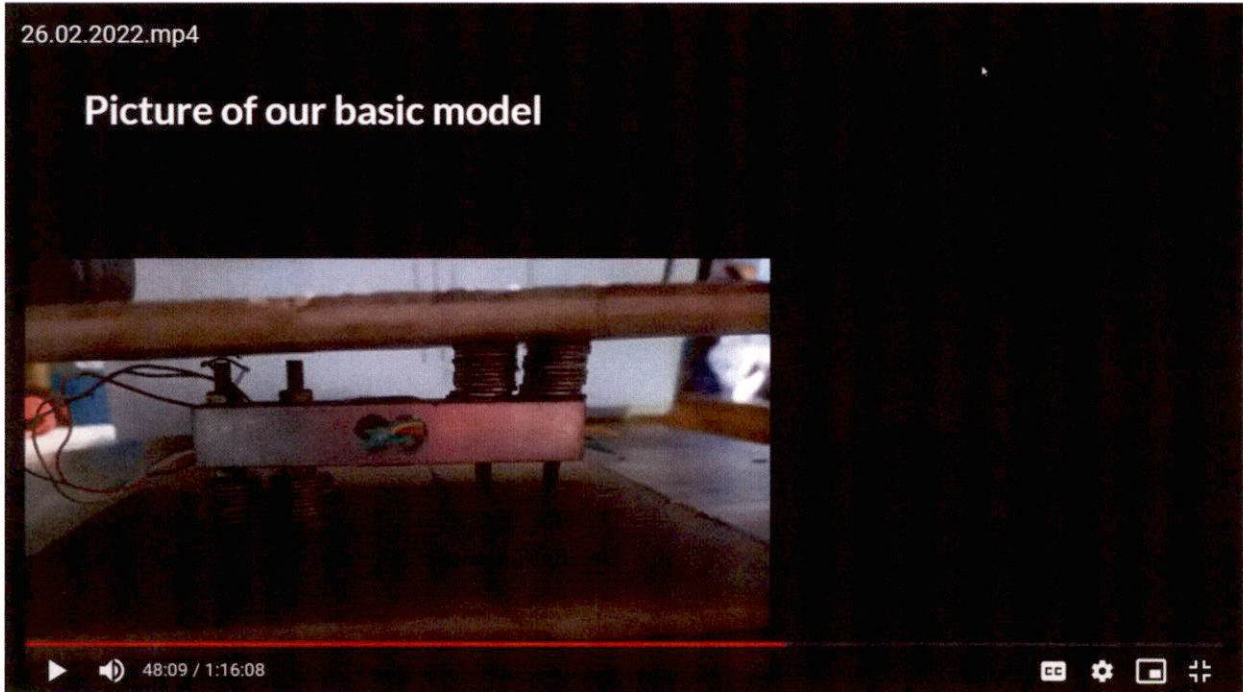
26th Feb 2022	
11.50am - 12:00noon	Participants joining the event by online cloud meeting platform
12:00-12:10	Welcome Address by Prof. (Dr.) Amlan Chakraborty
12:10 –12:20	Address by Prof. (Dr.) Salil K Sanyal. Prof. ECE Dept. NiT. Retd. Prof. Jadavpur Univ.

Timing for presentation	Team Name	Team Lead Name	Mentored by IA
12.20-12:30pm	FACE DETECTION	PAROMITA NASKAR	Dr. Anilesh Dey
12.30-12.40pm	Technicalities	Sparsho Chakraborty	Susmita Das
12.40-12.50pm	Engineer's United	Apurba Paramanik	Goutam Roy
12.50-1:00pm	Techies	Archimito choudhury	Dr. Sandhya Pattanayak

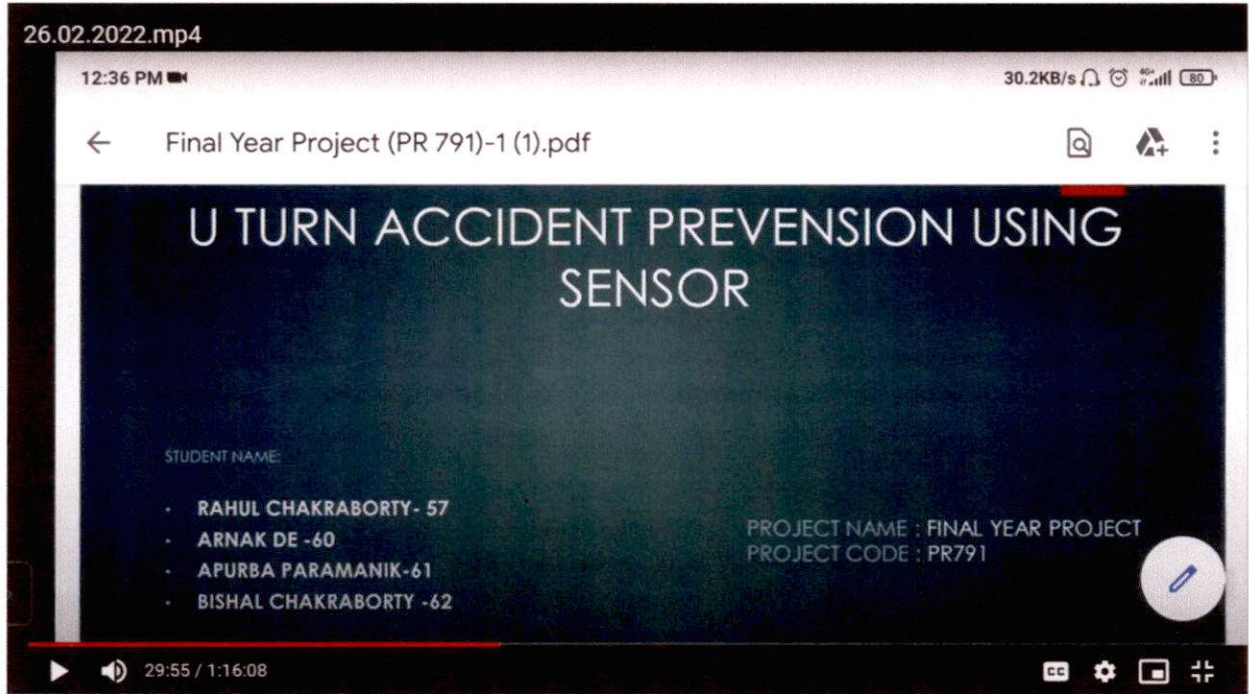
**Objective of the Event:**

The main objective of the event was to students convert their ideas presented to prototype with the help of innovation ambassador and from the ideas submitted the students prepared the prototype and came up with solutions and their prototypes.

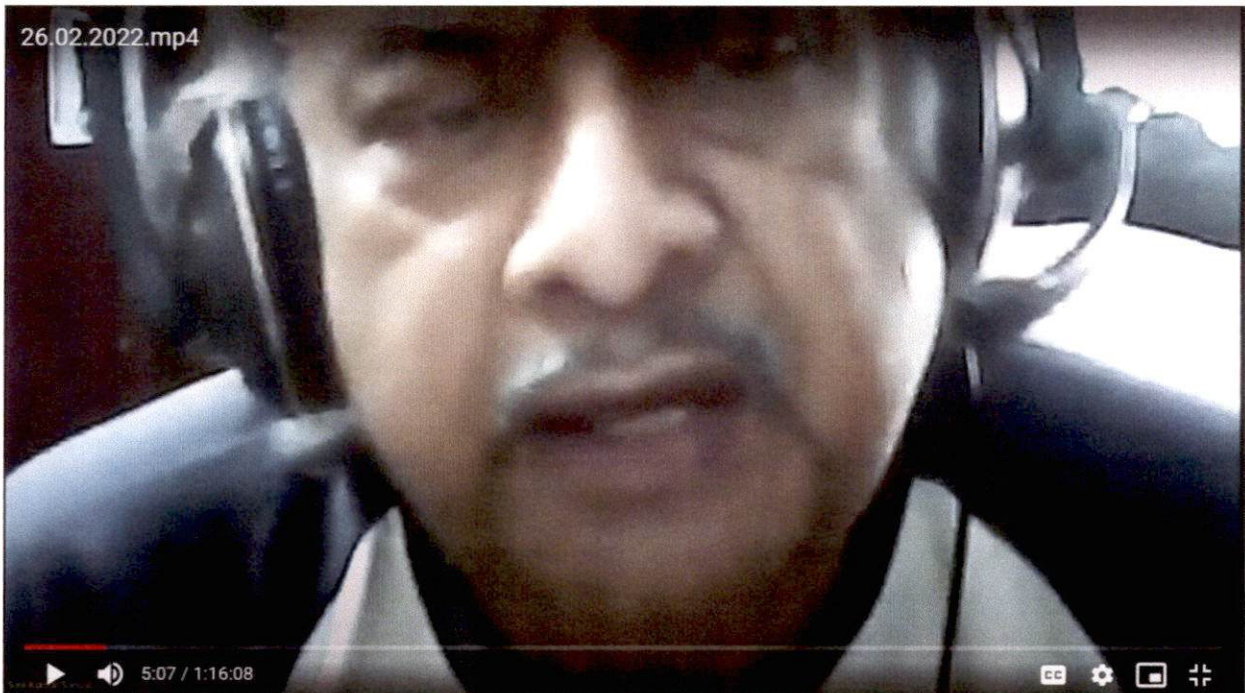
S. Banerjee  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



S. Prabhju.  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Adarnara, Kol-109



Session ongoing Dated: 26/02/2022



Session ongoing Dated: 26/02/2022



**NARULA INSTITUTE OF TECHNOLOGY**  
**Workshop on Business Model Canvas**  
**26<sup>th</sup> May, 2022 at 11 AM**

**Venue:** online

**Speaker:** *Mr. Atanu Roy Chowdhury, Founder of CapsuleLabs*

**Date of event: start date** 26/05/2022

**No: of participants:** 61

**Objective:** to make students learn the Business plan writing.

**Venue:** Online

**Description of the event:**

Dr. Sriparna Guha, and Mr. Goutam Roy, Members of IIC,NIT, Dr. Sandhya Pattanayak , IIC Convener coordinated the session.

The programme started with the welcome address by Honorable Principal Prof.(Dr.) Maitreyi Ray Kanjilal. She emphasized on the importance of this workshop among the students. Followed by Principal Madam, honorable Dean-R&D- Dr. Sourav Saha addressed the audience and briefed about the usefulness of Business Model Canvas.

The keynote speaker Mr. Atanu Roy Chowdhury delivered on the importance and necessity of BMC and also described the nine segments of Business Model Canvas and explained each segment with examples.

The session indeed was effective and ended with a lot of interactions between the speaker and the participants.

The formal vote of thanks was extended by Mr. Goutam Roy, Member-IIC,NIT.

**Outcome:**

**The students learned how to write the business plan, the main aspects of B-Plan was explained**

*S. B. B. B.*  
Principal

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The workforce is changing ...



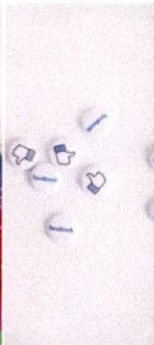
The old economy



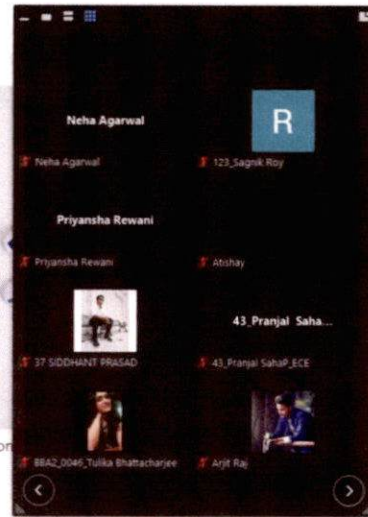
The ecommerce economy



The app economy



The personalization economy



Session ongoing Dated: 26/05/2022



The workforce is changing ...



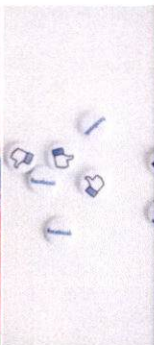
The old economy



The ecommerce economy



The app economy



The personalization economy



Session ongoing Dated: 26/05/2022

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Principal  
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The workforce is changing ...



The old economy



The ecommerce economy



The app economy



The personalization economy



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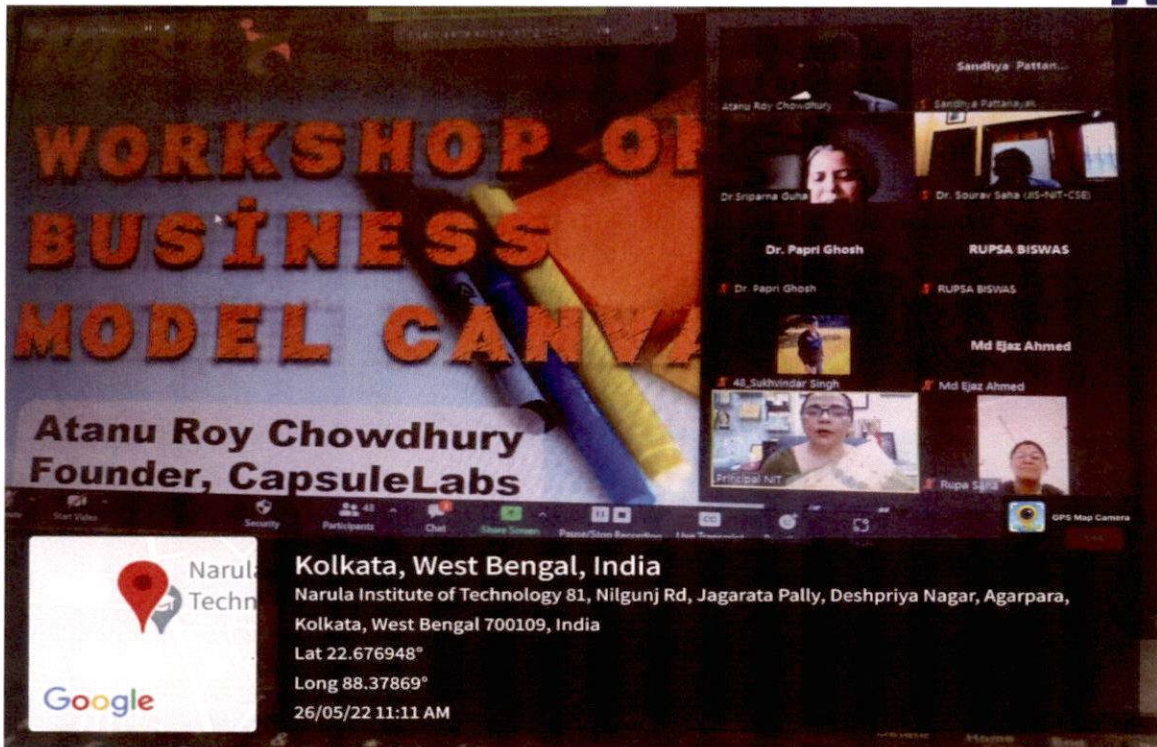
Session ongoing Dated: 26/05/2022

### Business Processes

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Mr. Atanu Roy Chowdhury taking the session, Dated: 26/05/2022

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Session ongoing, Dated: 26/05/2022

**WEBINAR**

**Workshop on Business Model Canvas (BMC)**  
**Organized by**  
**MHRD IIC section of NiT**

**SPEAKER**

**Mr. Atanu Roy Chowdhury**  
**Founder, Capsule Labs**

Registration Link :  
<https://forms.gle/FLp451Fg7C6pBtFn7>

**26<sup>th</sup> May, 2022**  
**11 AM Onwards**

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Workshop on Business Model Canvas: 26/05/2022

*S. Basu*  
 Principal  
**NARULA INSTITUTE OF TECHNOLOGY**  
 81, Nilgunj Road, Agarpara, Kol-109



## Narula Institute of Technology

Report on Visit to Incubation Center

at

NASSCOM,

MONIBHANDAR BUILDING, Webel Bhawan Premises,

7th floor, Block

EP-GP, Sec-V.

NASSCOM Industry Partnership Program

**NASSCOM**<sup>®</sup>

**10 000**  
S T A R T - U P S  
A NASSCOM initiative

*S. Banerjee*  
Principal

NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109

Date: 31<sup>th</sup> May, 2022



# Narula Institute of Technology

## Report on Visit to Incubation Unit

**Speaker name: Mr. Arihahant Kothari, NASSCOM.**

**Date of the event : 31/05/2022**

**Number of Participants \*: 30**

A Visit to Incubation Centre NASSCOM, Kolkata. was organised on 31<sup>th</sup> of May, 2022 by the IIC section of Narula Institute of Technology. Students from all departments and branches participated. It has been an excellent opportunity to participate in the NASSCOM industrial visit. The event was coordinated by Dr. Sandhya Pattanayak, Convener IIC-NiT, Dr. Papri Ghosh, CSE Dept, Ms. Susmita Das and Mr. Goutam Roy members of the IIC, NiT.

The main objective of the Industrial visit was:

- ✚ The main purpose of this visit is to gain knowledge about start-ups and its different stages.
- ✚ To gain a basic knowledge on topics to new technology such as App Development and Web Applications based technologies.
- ✚ To get future insight of the Industry.
- ✚ We had a great exposure to our Tech industry that how it works, and what are the opportunities available for us to build something productive for our society.

After introduction, the expert went ahead to take up our Visit. Through Interactive Sessions with different startups and discussed on

- ✚ What kind of Projects the Company works on.
- ✚ How they helps other start-ups to grow and make shine in the tech industry.
- ✚ How they incubate the start-ups.
- ✚ Different types of Framework based on the Different type of ideas and technologies that have been using in the start-ups project.
- ✚ A Brief overview of how we can start our own start-ups and what are the basic funding and support we need to.

During the live demonstration, the students had a chance to meet one of their Entrepreneurs and who told us about his journey and gave us some advises for our start-ups and tried to motivate us in every way possible. The visit indeed motivated students and faculty very much.

*S. Banerjee*  
Principal

NARULA INSTITUTE OF TECHNOLOGY  
91, Nilguri Road, Acharya, Kol-100



Mr. Arihant Kothari addressing the students Dated:31/05/2022



Session on going Dated: 31/05/2022

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Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



Students interacted with startups Dated: 31/05/2022

**NIT** INSTITUTION'S INNOVATION COUNCIL (Member of IIC Initiative) **JIS** JIS GROUP Educational Initiatives

**Industrial Visit**  
 to  
**Incubation Center NASSCOM**  
 Monibhandar Building  
 Webel Bhawan Premises  
 7<sup>th</sup> Floor, Block EP-GP, Sec-V  
 Kolkata- 700091  
 31<sup>st</sup> May, 2022

Organised by IIC section  
 Narula Institute of Technology, Kolkata

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Actuals Windows  
 Call to Admissions: 033-25100000

f /nitnarula | t /narulanit | i /nitnarula | y /nitnarula

Session Dated: 31/05/2023

*S. Banerjee*  
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 NARULA INSTITUTE OF TECHNOLOGY  
 81, Nilgunj Road, Anarpara, Kol-109



## NARULA INSTITUTE OF TECHNOLOGY

### Report on

### Workshop on Prototype/Process Design and Development - Prototyping

08/06/2022

**Objective of the event:** The objective of the session is to make students and faculty learn about design thinking, prototype development

**Venue: Online**

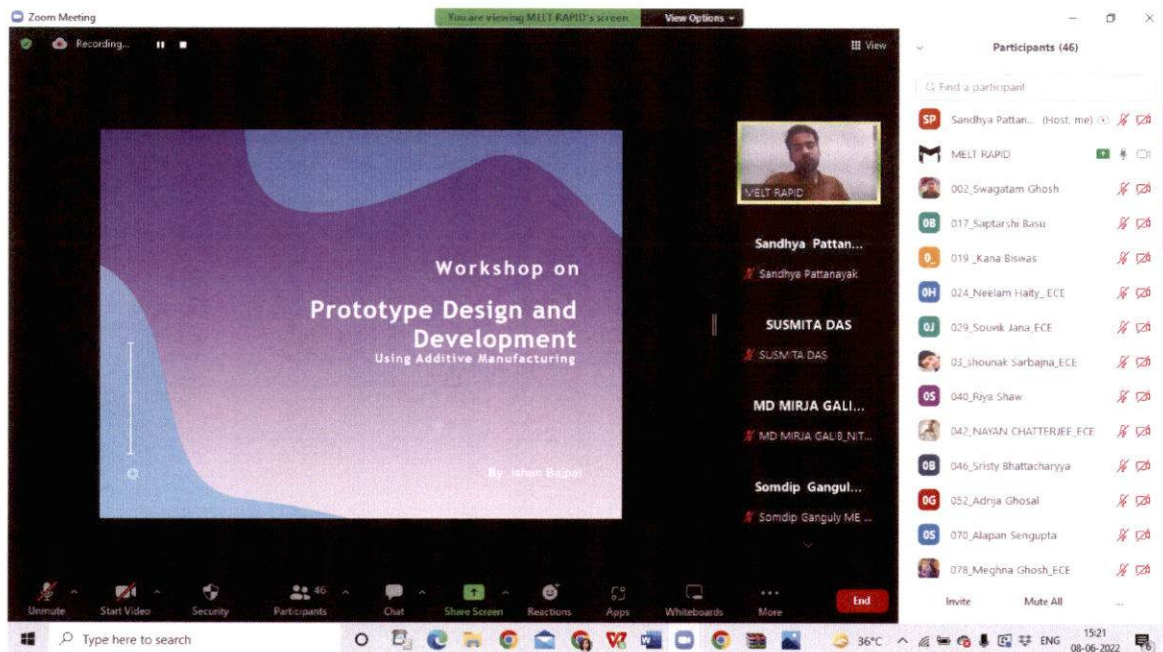
**Speakers : Mr. Ishan Bajpai, Founder & CEO, MELT, Kolkata**

**Number of participants: 46**

### Description of the Event:

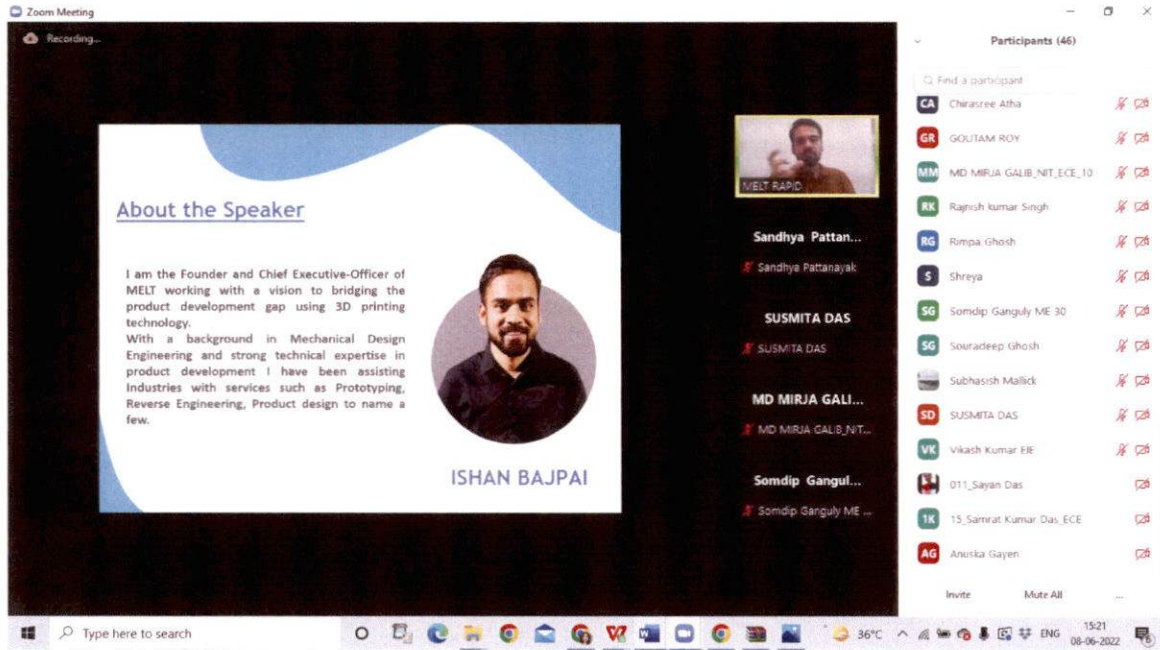
The IIC section of Narula Institute of Technology has organized a wonderful session presented by Mr. Ishan Bajpai, Founder & CEO, MELT, Kolkata on the 8th of June 2022 through the webinar on the '**Workshop on Prototype/Process Design and Development - Prototyping**'. The students of NiT have got new and interesting information about 3D printing technology as well as prototyping concepts with practical knowledge. This is an emerging field of innovation-related technology in prototype development.

### Some pics and attendance:



Session ongoing Dated: 08/06/2022

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Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



Session ongoing Dated: 08/06/2022

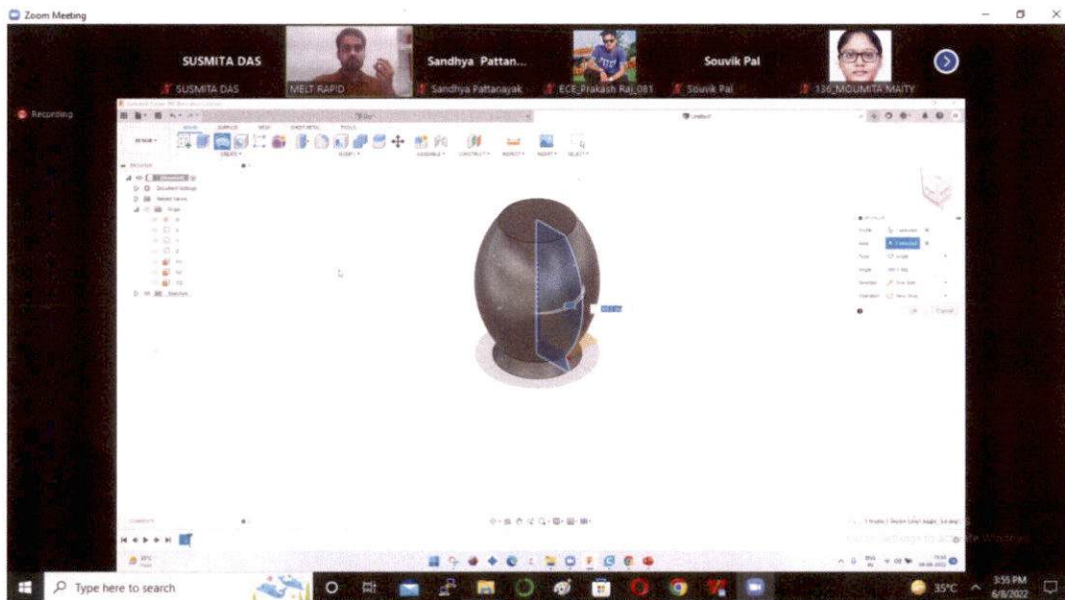


Mr. Ishan Bajpai taking the session ongoing Dated: 08/06/2022

*S. Banerjee*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
B1, Nilgunj Road, Agarpara, Kol-109

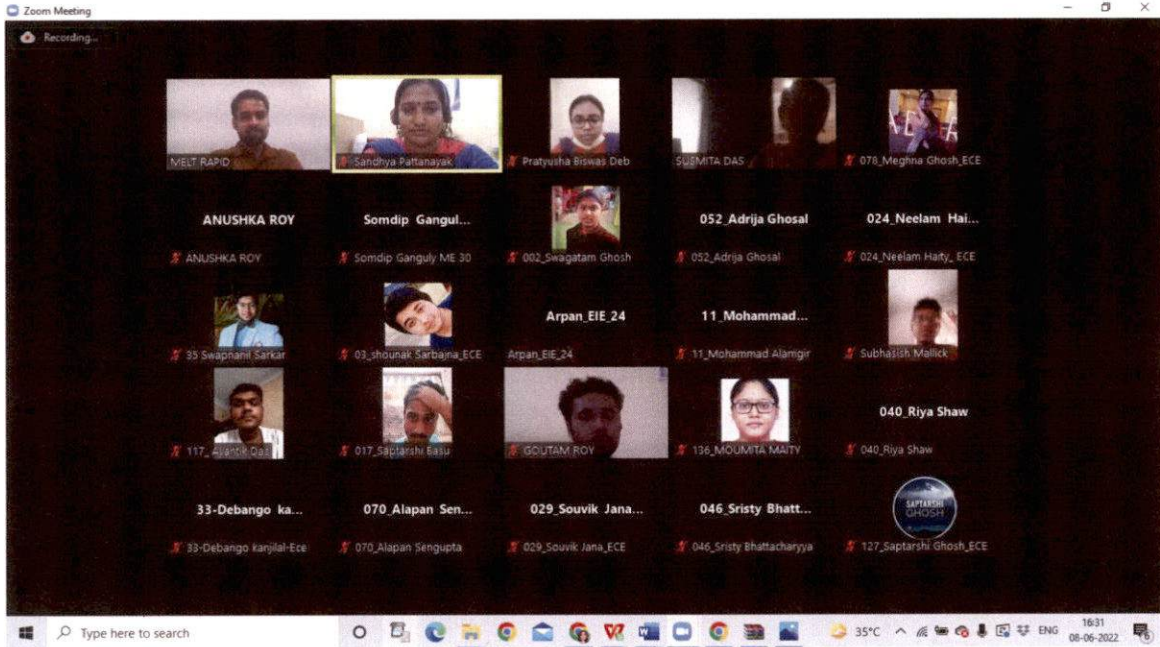


Mr. Ishan Bajpai taking the session ongoing Dated: 08/06/2022



Mr. Ishan Bajpai taking the session ongoing Dated: 08/06/2022

S. Babbarja  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



Mr. Ishan Bajpai taking the session, Dated: 08/06/2022

**WEBINAR**

**Workshop on Prototype/Process Design and Development - Prototyping**

**Organized by**  
MHRD IIC section of NIT

**SPEAKER**

**Mr. Ishan Bajpai**  
Founder & CEO, MELT  
KOLKATA



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8th June, 2022  
3 PM Onwards

Session Dated: 08/06/2022

*S. Basu*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



**Visit to CENTRAL TOOLROOM AND TRAINING CENTER ,Bonhoogly**

11<sup>th</sup> May'22,

CENTRAL TOOLROOM AND TRAINING CENTER, Bonhoogly:

**Objective of the event:** Visit the Toolroom and learn on the latest technologies

**Venue:** CENTRAL TOOLROOM AND TRAINING CENTER Bonhoogly

**Speakers :** . Mr. Rama Rao, Central Toolroom and Training, Bonhoogly.

**Number of participants: 28**

**Description of the Event:**

Like every year this year also students of Electronics and Communication Engineering of Narula Institute of Technology were taken to an industrial visit to MSME Tool Room and Training Center. The coordinators of the the visit were Prof. Dr. Anilesh Dey (HOD of ECE, NIT) and Dr. Sandhya Pattanayak. . 28 students from 2<sup>nd</sup> and 3<sup>rd</sup> year took part in the visit and they were taken to the spot by college bus guided by Mrs. Rimpi Dutta, ECE dept, Mr. Atanu Majumdar and and Mrs. Anushree Mondal . After reaching, they settled down in a room and filled up the registration form and other formalities. Mr. Rama Rao Coordinator at MSME toolroom met the students and had a brief introductory session. He also described the institution, the field of work, and other backgrounds of the organisation. Then the students were given breakfast and after that the industrial visit began.

**THE VLSI LAB**

Students were taken to the VLSI lab, where the professors gave them a brief explanation about the subject itself. The lectures were divided into three parts there,

- **Brief introduction about microprocessors and microcontrollers (ARM controller)**

Before diving into the topics in detail, students were briefed about the meaning of VLSI and what is the importance of integration. Then the topic shifted to 32bit ARM controller and the professor explained all of its components in detail. He also illustrated two operations using ARM controller.

*S. Banerjee*  
Principal





Session ongoing: Dated: 11/05/2022

### **A dive into robotics with the help of a line follower.**

Students were briefed about robotics. It is an application of embedded system. Then, the professor went deeper into Line Follower using Hall Effect. Concept of working of line follower is related to light. We use here the behavior of light at black and white surface. When light fall on a white surface it is almost full reflected and in case of black surface light is completely absorbed. This behavior of light has been used in building a line follower robot.

**Networking:** After the introductory session the students had a session on Networking. They had an informative session about networking starting from basics of networking to the advanced portion. The session was comprised of how the networking system works, what are the parts of networking, the components required for the successful sending of information through the antennas or the fiber optics. The faculty also talked about the basic and daily components of networking such as modems, servers, Wi-Fi, etc. At the end of this theoretical session they were shown the practical example/ live demo about the working of IOT. They did get an idea about the leading networking company i.e. **Cisco** and how they work and tackle the other the companies.

**PCB BOARD MAKING:** The students were taken to another room where the professor explained all the individual steps involved in making a PCB board. The process showed was a bit primitive one, which inclu



Session ongoing: Dated: 11/05/2022

des many steps as compared what is done now. The professor also the importance of all the respective steps.

S. Banerjee  
Principal

### LATHE AND MILLING MACHINE CENTER VISIT

Students were taken to an industrial site where interns were using lathe and milling machines. Mr. Rama Rao were guiding them throughout the process. They understood the working difference between the two cutting tools. In lathe, the cutting tool is fixed, and the job is rotated whereas in milling machine, the cutting tool is rotated and the job is fixed.



Session ongoing: Dated: 11/05/2022

### CNC MACHINES

The students were taken to several industrial sites where there were CNC (Computer Numerical Control) machines. Numerical control is the automated control of machining tools by means of a computer. A CNC machine processes a piece of material to meet specifications by following coded programmed instructions and without a manual operator directly controlling the machining operation.



Session ongoing: Dated: 11/05/2022

*S. Banerjee*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
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## INDUSTRIAL AUTOMATION CENTER

After lunch, the students were taken to a laboratory, where the professor gave them a brief introduction of industrial automation. They were briefed about PLC. A programmable logic controller or programmable controller is an industrial computer that has been ruggedized and adapted for the control of manufacturing processes, such as assembly lines, machines, robotic devices, or any activity that requires high reliability, ease of programming, and process fault diagnosis. They also learnt about SCADA. Supervisory control and data acquisition (SCADA) is a system of software and hardware elements that allows industrial organizations to: Control industrial processes locally or at remote locations. Monitor, gather, and process real-time data. Finally they were explained about the Simatic software which is a series of programmable logic controller and automation systems.



Session ongoing: Dated: 11/05/2022

## SAMSUNG LAB

At the end of the visit day students were taken to a different unit of the institute called Samsung Lab. This is a partnership project of Central Government of India and Samsung. In this project Samsung trains how to repair the electronics product such as Air Conditioner, refrigerators, television, microwave oven etc.

At the end, students gathered in a meeting room and they thanked the coordinators, the teachers for such a wonderful visit. Mr. Rama Rao also thanked the students and handed over the certificates to the students. These are few such certificates.

On this note the visit ended and students came back to college bus and they were dropped to their favorable places and rest of the students came back to college and returned their respective homes. Thus a successful industrial visit ended on a good note.

*S. Bhajju*  
Principal

NARULA INSTITUTE OF TECHNOLOGY  
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**Narula Institute of Technology Internal  
Smart India Hackathon 2022  
29<sup>th</sup> March 2022**

**Objective of the event:** Aims to offer students a platform for ideating solutions to some pressing issues of various sectors, intending to instill a culture of product innovation and a problem-solving mindset.

**Venue:** Seminar Hall, Narula Institute of Technology

**Speakers :** Participants of the Session, Student, Narula Institute of Technology

**Number of participants: 204**

**Description of the Event:**

On 29<sup>th</sup> March 2022, Narula Institute of Technology (NiT) physically conducted an internal hackathon for Smart India Hackathon 2022 (SIH 2022). SIH 2022 is a National-level contest that aims to offer students a platform for ideating solutions to some pressing issues of various sectors, intending to instill a culture of product innovation and a problem-solving mindset.

There was massive excitement among the students about SIH 2022, as more than 80 teams across various departments submitted proposals for the internal hackathon. After initial screening by an expert committee, 34 proposals were shortlisted for physical presentation at the college campus (29<sup>th</sup> March, 2022) by the respective teams in front of a jury panel. It was a fascinating experience for the participants as the judges interacted with them, spent time understanding their ideas, and shared valuable suggestions.

Based on the presentations of the proposed ideas at the internal hackathon, the jury members have shortlisted 30 prospective teams for the next phase of the National SIH 2022. We wish all the selected teams best of luck for their future course of journey in SIH 2022!

Few pictures along with the banner are attached herewith for reference.



The banner features logos of the Ministry of Education, Government of India, Azadi Ka Amrit Mahotsav, ANITE, MoE's INNOVATION CELL (GOVERNMENT OF INDIA), Persistent, and a lightbulb icon. The central text reads: NARULA INSTITUTE OF TECHNOLOGY, Kolkata, West Bengal. Below this, it says: INTERNAL HACKATHON SIH 2022, Date : 29<sup>th</sup> March, 2022, Time : 10:30 AM Onwards, Venue : College Campus. On the right, there is a signature of S. Banerjee, Principal, and the address: NARULA INSTITUTE OF TECHNOLOGY, 81, Nilgunj Road, Aqarpara, Kol-109. At the bottom, there are social media handles for Facebook, Twitter, Instagram, and YouTube, all with the handle /nitnarula.

Internal Smart India Hackathon 2022, Dated: 29/03/2022



Internal Smart India Hackathon 2022, Dated: 29/03/2022



Internal Smart India Hackathon 2022, Dated: 29/03/2022

*S. Prasenjit*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



Session ongoing: Dated: 29/03/2022



Session ongoing Dated: 29/03/2022


*S. Banerjee*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109

### Programme Schedule

Inaugural Session: 10:30 AM to 11:00 AM (Seminar Hall – 303)

Venue: Seminar Hall (303, NiT)

Team ID	Date	Time	Team Name
ISIH 02		11:00 AM – 11:10 AM	RESONANCE
ISIH 03		11:10 AM – 11:20 AM	PENTAGON
ISIH 04		11:20 AM – 11:30 AM	WINGS
ISIH 05		11:30 AM – 11:40 AM	PIVOT
ISIH 06		11:40 AM – 11:50 AM	TECH PHANTOM
ISIH 07		11:50 AM – 12:00 PM	NABARUN
ISIH 08		12:00 PM – 12:10 PM	PBD RED
ISIH 09		12:10 PM – 12:20 PM	BIT BY BIT
ISIH 10		12:20 PM – 12:30 PM	ETHEREAL
ISIH 11		12:30 PM – 12:40 PM	CODESTERS
ISIH 12		12:40 PM – 12:50 PM	INNOVATOR_22
<b>LUNCH BREAK (01:00 PM to 02:00 PM)</b>			
ISIH 14		02:00 PM – 02:10 PM	FIREFOX
ISIH 16		02:10 PM – 02:20 PM	CODE FELLAS
ISIH 17		02:20 PM – 02:30 PM	MECHANIZER
ISIH 18		02:30 PM – 02:40 PM	PIEZOTECH
ISIH 19		02:40 PM – 02:50 PM	THINKERS
ISIH 20		02:50 PM – 03:00 PM	EAGLE
ISIH 21		03:00 PM – 03:10 PM	VISION

  
 Principal  
 NARULA INSTITUTE OF TECHNOLOGY  
 81, Nilgunj Road, Agarpara, Kol-109

Venue: Room No 220 (NiT)

Team ID	Date	Time	Team Name	
ISIH 22	29 <sup>th</sup> March 2022	11:00 AM – 11:10 AM	VEDHA	
ISIH 23		11:10 AM – 11:20 AM	TECHNICALITIES	
ISIH 24		11:20 AM – 11:30 AM	DEKODIERENERS	
ISIH 25		11:30 AM – 11:40 AM	OPTIMUS	
ISIH 26		11:40 AM – 11:50 AM	SUPER TROOPERS	
ISIH 27		11:50 AM – 12:00 PM	LUCY	
ISIH 28		12:00 PM – 12:10 PM	INVINCIBLES	
ISIH 30		12:10 PM – 12:20 PM	INNOVATION	
ISIH 31		12:20 PM – 12:30 PM	NOT SO SMART	
ISIH 33		12:30 PM – 12:40 PM	CODE NAME 666	
		<b>LUNCH BREAK (01:00 PM to 02:00 PM)</b>		
ISIH 34		02:00 PM – 02:10 PM	TX FUISION	
ISIH 35		02:10 PM – 02:20 PM	DEV CHEFS	
ISIH 37		02:20 PM – 02:30 PM	HACKTANS	
ISIH 38		02:30 PM – 02:40 PM	STRASH CART	
ISIH 39		02:40 PM – 02:50 PM	CIPHER CREW	
ISIH 40		02:50 PM – 03:00 PM	BINARY BRAINS	

#### General Guidelines for Oral Presentations of Internal Hackathon 2022

- The total time allotted to each team is 10 minutes, where 6 minutes is allotted for a Power Point presentation and 4 minutes is allotted for question-answer session.
- It is important that your presentation fit into the time allowed.
- Your presentation must be made according to the idea presentation format proposed by SIH 2022 organizing committee.
- Every team should begin presentation with brief introduction of selected problem statement.



- Avoid using an excessive amount of text; use diagrams and figures as much as possible.
- Speak slowly and clearly. Do not assume that audience members will figure anything out by themselves.
- All team members of each team must be present and must take active participation in presentation of their proposed idea related to problem statement.
- Each team be sure to arrive at presentation room approximately 15 minutes prior to the start of your presentation.
- Presentation room equipment: Each room is equipped with standard equipment, including a standard podium with a microphone, podium laptop, pointer, projection screen, and projector.
- Please note that the organizing committee of Internal Hackathon 2022 shall not be held responsible for any technical issues occurring due to late communication.



Judges: Dated 29/03/2022

Total 34 teams participated in this internal hackathon. There was total 204 participants. Out of which there were 145 male & 59 female participants. Out of 80 ideas, 34 ideas have been selected through initial screening for Internal Hackathon.

S. Banerjee  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Koi-109

**Result of Smart India Internal Hackathon 2022**

**The following top thirty teams are nominated to submit ideas in SmartIndia Hackathon (SIH) 2022**

Team-ID	Team Name	Team Leader Name	Rank
ISIH 24	DEKODIERENERS	YASH RAJ SINGH	1
ISIH 11	CODESTERS	PAROMITA KHASKEL	2
ISIH 12	INNOVATOR_22	SUBHARAJ GHOSH	3
ISIH 27	LUCY	SOURAB GHOSH	4
ISIH 08	PBD RED	SIDDHARTHA SAHA	5
ISIH 25	OPTIMUS	SAYAN SARKAR	6
ISIH 39	CIPHER CREW	YASH KUMAR SINGH	7
ISIH 40	BINARY BRAINS_22	NIKHIL AGARWAL	8
ISIH 04	WINGS	AYAN SANYAL	9
ISIH 28	INVINCIBLES	AGNIBAN SAHA	10
ISIH 05	PIVOT	JAYANTA DAS	11
ISIH 38	STRASH CART	ANIK CHAKRABORTY	12
ISIH 07	NABARUN	ARUP HALDER	13
ISIH 21	VISION	AYITA DUTTA	14
ISIH 22	VEDHA	SUVARGHA GHOSH DASTIDAR	15
ISIH 10	ETHEREAL	MOHAMMAD SHAHID	16
ISIH 17	MECHANIZER	SANDIP PAUL	17
ISIH 03	PENTAGON22	SHUBHANKARGHOSH	18
ISIH 30	INNOVATION22	DEBODYUTI MANDAL	19
ISIH 37	HACKTANS	SUJAAN MAITRA	20
ISIH 02	RESONANCE22	ANIDIP BHATTACHARYA	21
ISIH 23	TECHNICALITIES	SPARSHO CHAKRABORTY	22
ISIH 26	SUPER TROOPERS	TIRTHA PODDAR	23
ISIH 18	PIEZOTECH	SOMDIP GANGULY	24
ISIH 34	TX FUISSION	RAJIB PODDAR	25
ISIH 35	DEV CHEFS	SAYANI BAGCHI	26
ISIH 19	THINKERS22	DARSHAN CHOKHAN	27
ISIH 09	BIT BY BIT22	SAURAV KUMAR	28
ISIH 31	NOT SO SMART	ARINDAM SAHOO	29
ISIH 14	FIREFOX	SOHAM DEY	30

*S. Banerjee*  
Principal



**Expert talk on "Process of Innovation Development & Technology Readiness Level (TRL)" & "Commercialisation of Lab Technologies & Tech-Transfer**

**11<sup>th</sup> February, 2022**

**Objective of the event:** To create awareness on the technology readiness level and innovation development

**Venue:** Online

**Speakers :** *Mr. Sanket Sarkar, Founder and CEO of ZERON and member of Data Security Council of India*

**Number of participants: 100**

**Description of the Event**

The MHRD IIC section of Narula Institute of Technology organized a Webinar session on **"Innovation Development, Technology Readiness Level (TRL), Commercialization & Technology Transfer"** on 11<sup>th</sup> February, 2022.

*The resource person for the webinar was Mr. Sanket Sarkar, Founder and CEO of ZERON and member of Data Security Council of India.*

The session commenced with a welcome address by *Prof. Amlan Chakrabarti, COE-NIT & Vice President, MHRD-IIC, NiT.* He also welcomed the speaker and briefed about the objective of the program. The whole session was coordinated by *Ms. Rupa Saha, Dr. Chandrima Chakrabarti* member IIC, Narula Institute of Technology.

*Mr. Sarkar* highlighted the innovation development, Technology Readiness Level, Commercialization of Technology and movement of knowledge through Technology Transfer. *Mr. Sarkar* shared his valuable thoughts, experience with participants and also attended question answer session.

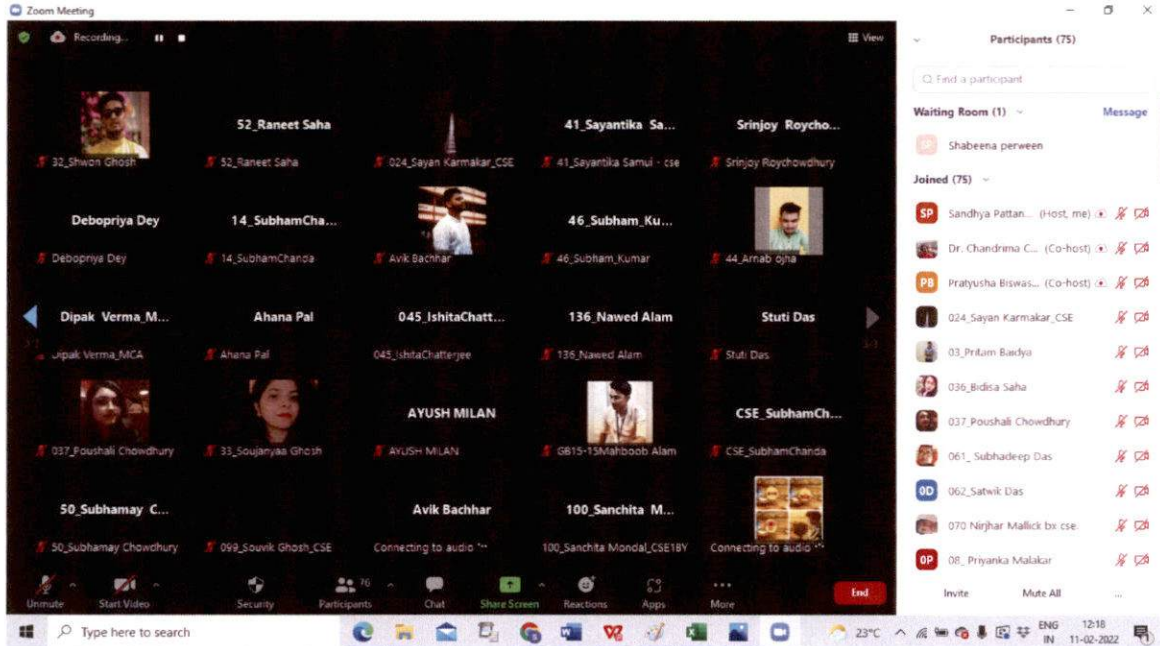
The webinar witnessed *an active participation of 100 participants* including students, faculty and staff members.

The program ended with a vote of thanks by *Dr. Chandrima Chakrabarti, Assistant Professor, CSE dept, NiT.* The session was highly appreciated by the students.

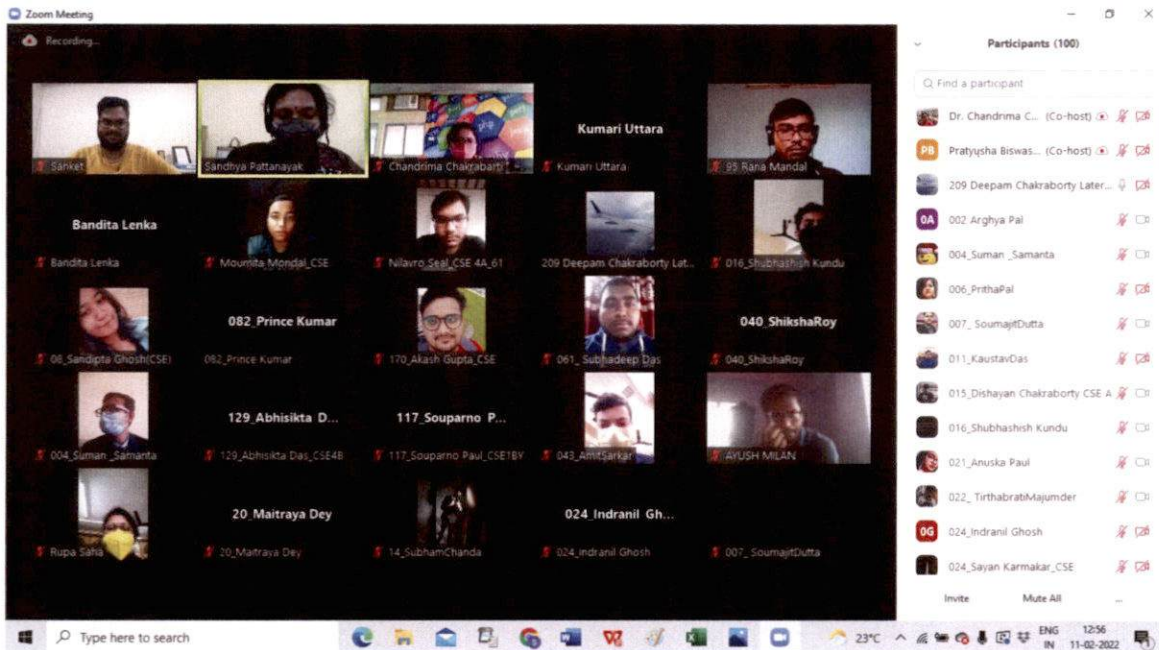
**Outcome:** Students learned about innovation development, Technology Readiness Level, Commercialization of Technology and movement of knowledge through Technology Transfer

*S. Banerjee*  
Principal

NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



Session ongoing Dated: 11/02/2022



Session ongoing Dated: 11/02/2022

*S. Banerjee*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Aadarpara, Kol-109



**NARULA INSTITUTE OF TECHNOLOGY**  
**Angel Investment/VC Funding Opportunity for Early Stage**  
**Entrepreneurs**  
**29th August 2022 .**

**Objective of the event:** To make students understand the entrepreneurial journey and angel investment

**Venue: ONLINE**

**Speakers : Dr. Arindam Saha of MD, . Vista Intelligence Pvt. Ltd.**

**Date of event: start date: 29th August 2022**

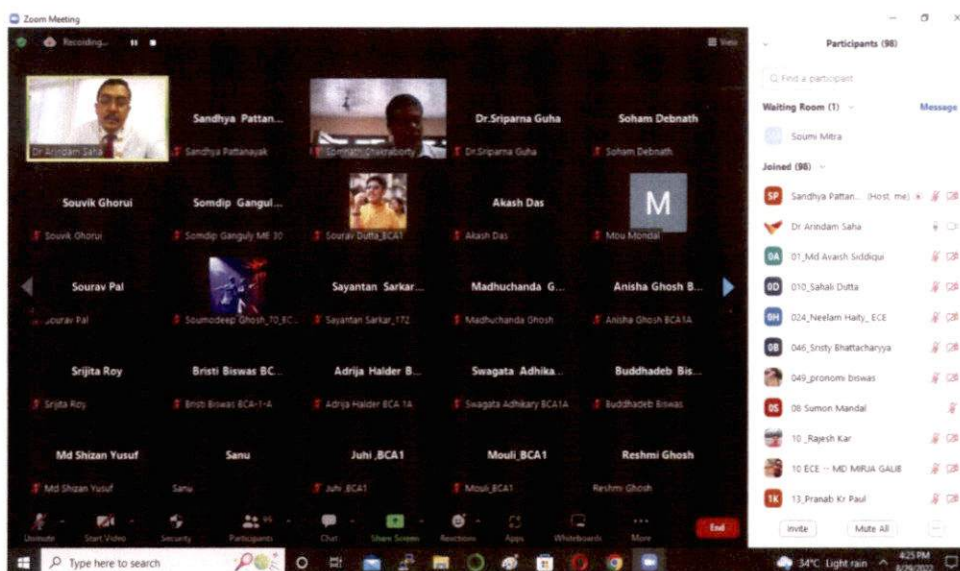
**Number of participants: 100**

**Description of the Event**

Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs was held on 29th August 2022 .

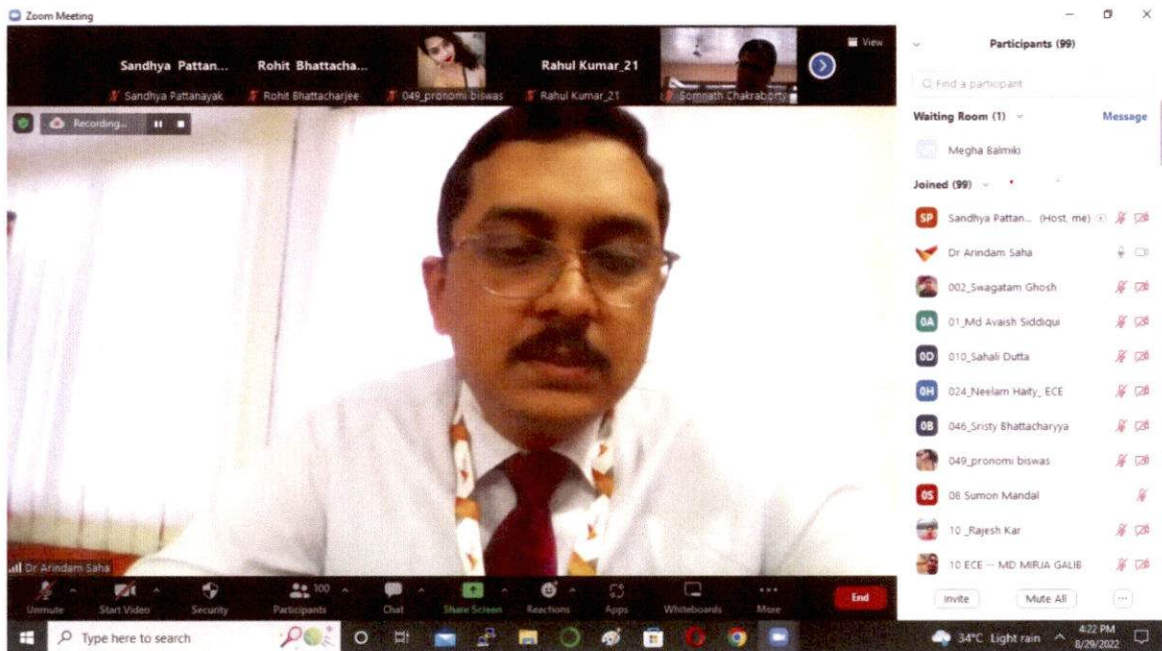
The expert of the session started with in detail about his journey of entrepreneur journey, idea and journey how to start, mid point, and how to take it ahead. Fund is needed and proper planning is needed for fund utilisation,

**Outcome: The students learned a lot on the proper work flow in a entrepreneurial journey, Investment and financial aspects.**

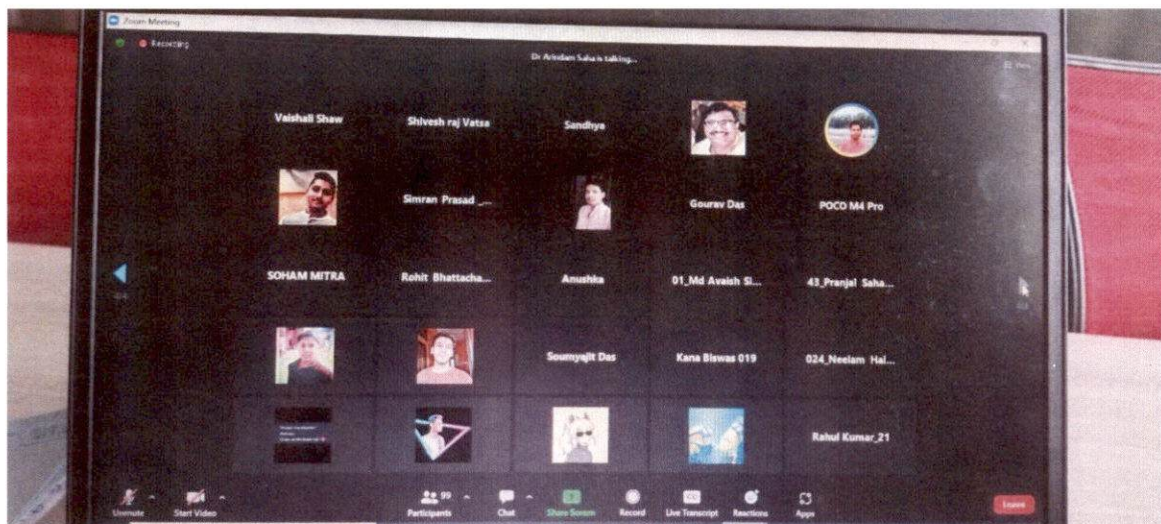


Session ongoing by Dr. Arindam Saha Dated: 29/08/2022

*S. Banerjee*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



Session ongoing by Dr. Arindam Saha Dated: 29/08/2022



Session ongoing by Dr. Arindam Saha Dated: 29/08/2022

S. Prasad  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



Session ongoing by Dr. Arindam Saha Dated: 29/08/2022






**WEBINAR**

**Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs**

**Organized by**

**IIC Section of NIT  
NiT Agarpara**


**Dr. Arindam Saha**  
**MD, Vista Intelligence Private Ltd.**  
**Former Country Head**  
**(Communication) & Business Head,**  
**NSE, Director Currency Trading**



**NARULA INSTITUTE OF TECHNOLOGY**  
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29<sup>th</sup> August, 2022  
04:00 PM Onwards

Session by Dr. Arindam Saha Dated: 29/08/2022

  
*S. Banerjee*  
 Principal  
**NARULA INSTITUTE OF TECHNOLOGY**  
 31, Nilgunj Road, Agarpara, Kol-109



**Narula Institute of Technology**

**Institution's Innovation Council (IIC)**

**Presents**

**Webinar on Achieving Problem-Solution Fit & Product-Market Fit**

Under the Mentor-Mentee Program of MIC

**16<sup>th</sup> February 2022, 3pm onwards.**

**Venue : Online**

3:00pm-3:03pm	Welcome Address	Prof. Maitreyi Ray Kanjilal, Principal, and President IIC-Narula Institute of Technology
3:03pm-3:06pm	Address by	Mrs. Nidhi Singh, Registrar, and NIRF Coordinator of IIC-Narula Institute of Technology
3:06pm-3:09pm	Address by	Prof. Amlan Chakraborty, COE, Vice President, IIC- Narula Institute of Technology
3:09pm-3:12pm	Address by	Prof. (Dr.) Sandip Kumar Lahiri, IIC President, Associate Professor, ChE Deptt, NIT, Durgapur
3:12pm-3:15pm	Address by	Ms. Suparna panchanan, President, IIC, Assistant Professor, ECE Dept, Regent Education and Research Foundation Group of Institutions.
3:15pm-3:18pm	Address by	Dr. Suman Das, President, IIC, Associate Professor, HOD, ME Dept, Swami Vivekananda Institute of Science & Technology.
3:18pm-3:21pm	Address by	Prof. (Dr.) Sujit K. Biswas, President, IIC, Dean(academic),HoD of EE, St. Thomas College of Engineering and Technology.
3:21pm-3:23pm	Address by	Dr. Mahuya Das, President, IIC, Principal, Greater Kolkata College of Engineering and Management.

**Session 1**

3:30pm - 4:40pm	<b>Mr. Tapas Piplai</b> Executive Director and CEO, Capability enhancement Center, Pune
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**Session 2**

4:40pm - 5:50pm	<b>Mr. B. P. Pattnaik</b> CEO of CGU Incubators, Odisha.
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5:50pm-6:00pm	Vote of Thanks	Dr. Anilesh Dey, Head ECE Dept -Internship Coordinator, IIC, Narula Institute of Technology
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*S. Banerjee*  
Principal



REPORT

**Webinar on Achieving Problem-Solution Fit & Product-Market Fit**

Under the Mentor-Mentee Program of MIC

16<sup>th</sup> February 2022, 3pm onwards.

**Speakers:**

Mr. Tapas Piplai

Executive Director and CEO, Capability enhancement Center, Pune

Mr. B. P. Pattnaik, CEO, CGU incubators

No: of participants =120.

**Objective:** Explain the students to convert idea to product fit for market Understand Market Scenario, volatility, uncertainty, complexity, Ambiguity.

**Outcome:**

Understand Market Scenario, volatility, uncertainty, complexity, Ambiguity, industrial revolution, India position in global innovation index, innovation eco system, AIM.

**Idea generation, development Conviction, value proposition, new product design, source and market standards, Students also understood on NPI/NPD, continuous development problem solving.**

The students and faculty from mentee institutes participated:

St. Thomas College of Engineering and Technology, West Bengal

NIT Durgapur, West Bengal

Swami Vivekananda Institute of Science & Technology, West Bengal

Regent Education and Research Foundation Group of Institutions, West Bengal

Greater Kolkata College of Engineering and Management, West Bengal.

And also students from Narula Institute of Technology also participated.

*S. Banerjee*  
Principal

NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109

Close Participants (100)

	Amrita Dhar_GKCEM (me)		
	Sandhya Pattanayak (Host)		
	Dr.Sriparna Guha (Co-host)		
	Tapas Piplai		
	10 _Rajesh Kar		
	14_Bhaskar Ganguly Neogi		
	16_Ankita show_EIE		
	17_ Soumayadeep Pal (EIE)		
	2_Avra		
	ABDUL BARI_GKCEM		
	Abhijit sinha		
	Ajitesh Ghosh		
	Akash Debnath_GKCEM		
	Aman saha_ GKCEM		
	Amlan Chakrabarti		

Session Dated: 16/02/2022

**Market Structure**

Volatility  
Uncertainty  
Complexity  
Ambiguity

Risk  
Indeterminacy  
Instability

Narula Techno  
Kolkata, West Bengal, India  
Narula Institute of Technology, Nilgunj Rd, Jagarata Pally, Deshpriya Nagar, Belghoria, Kolkata, West Bengal 700109, India.  
Lat 22.676524°  
Long 88.379495°  
16/02/22 03:42 PM

Session Dated: 16/02/2022

S. Baraja.  
Principal



**Narula Institute of Technology**  
Institution's Innovation Council (IIC)  
Presents

**Webinar on Achieving Problem-Solution Fit & Product-Market Fit**



**Mr. Tapas Piplai**  
Executive  
Director and CEO  
Capability  
enhancement  
Center, CEO

On  
16th February 2022 at 3 PM

Speakers



**Mr. B. P. Pattnaik**  
CEO of CGU Incubators  
Odisha

Organized by IIC section of Narula Institute of Technology  
under the Mentor-Mentee Programme for IIC Institutions

**NARULA INSTITUTE OF TECHNOLOGY**

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Session Dated: 16/02/2022

*S. Banerjee*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



**Orientation session 1 on Vision building/mentoring session**

**Narula Institute of Technology**

17<sup>th</sup> and 18<sup>th</sup> January 2022 from 7PM on both days

**Venue:** Online

**Date and Time:** 17<sup>th</sup> and 18<sup>th</sup> January 2022 from 7PM on both days

**NO: of Participants: 45**

**Speaker Details:**

Mr. Atanu Roy Chowdhury, Founder Capsule Labs

Dr. Ramjee Pallela, COO, Atal Incubation Centre - Centre for Cellular and Molecular Biology, [AIC-CCMB]

Dr. Sandhya Pattanayak, Assistant Professor, ECE Dept and Convener MHRD-IIC Section of Narula Institute of Technology,

**A. Details of all the experts**

Sr.No.	Name of the Expert from Mentor Institute	Organisation	Designation	Brief about Expert/Speaker
1.	<b>Mr. Atanu Roy Chowdhury, Founder Capsule Labs</b>	<b>Capsule Labs</b>	<b>Founder</b>	<p>Mr. Atanu Roy Chowdhury is An AIOT evangelist and Founder of capsule labs. He is the technology Mentor for the ranmir Foundation, focusing on Innovations at the</p> <p>Bottom of the pyramid. He teaches innovation and entrepreneurship at</p> <p>Calcutta university. He was a techno-functional consultant for Iot/ai led digital transformations, providing Delivery and solutioning support to altiux's Global sales team for over 100 IOT solutions. Prior to altiux, atanu was a member of Technical staff at infosys setlabs, harvard Sensor Networking lab , Telcordia advanced</p>

S. Banerjee  
Principal

				Technology solutions labs (now ericsson) And blue highway (a welch allyn company) . He has post graduate degrees in computer Science from IIT Guwahati and harvard University. He is a senior member of IEEE and CSI. He has published over 35 papers and patents in The area of iot and wireless sensor networks.
2.	<b>Dr. Ramjee Pallela, COO, Atal Incubation Centre - Centre for Cellular and Molecular Biology, [AIC-CCMB]</b>	<b>Centre for Cellular and Molecular Biology, [AIC-CCMB]</b>	<b>COO - AIC-CCMB</b>	Dr. Pallela is placed as Chief Operating Officer (COO) at Atal Incubation Centre of CCMB (AIC-CCMB), Hyderabad, since June 2018. Prior to this position he served as Chief Manager, Grants Management Division of IKP Knowledge Park (2014-2018).
3.	<b>Dr. Sandhya Pattanayak</b>	<b>Narula Institute of Technology</b>	<b>Assistant Professor , ECE Dept and Convener MHRD-IIC Section of Narula Institute of Technology,</b>	B.E and M.Tech from BPUT, Orissa, Ph.D from Jadavpur University Assistant Professor, ECE Dept and Convener MHRD-IIC Section of Narula Institute of Technology,

**Objective:** vision building and mentoring session for the mentee institute.

**Description of the Session:**

Under the Mentor-Mentee Program for IIC Institutions, Implementing Agency – MoE’s Innovation Cell (MIC), AICTE the MHRD IIC section of Narula Institute of



Technology organized the orientation session 1 on vision building/mentoring session on the 17<sup>th</sup> and 18<sup>th</sup> January 2022 from 7PM for the key functionaries of the mentee institutes under NIT.

The Mentee Institutes are:

- National Institute of Technology, Durgapur
- St. Thomas College of Engineering and Technology, Kolkata
- Swami Vivekananda Institute of Science & Technology, Kolkata
- Regent Education and Research Foundation Group of Institutions, Kolkata
- Greater Kolkata College of Engineering and Management, Kolkata

The orientation session was started by the Welcome Address of Prof. (Dr.) Maitreyi Ray Kanjilal, Principal-NIT, where she addressed all the key functionaries of the mentee institutes, followed by address of Mrs. Nidhi Singh, Registrar-NIT and the address of Prof. Amlan Chakraborty, COE-NIT.

#### Description of the Event

The orientation session was started by the Welcome Address of Prof. (Dr.) Maitreyi Ray Kanjilal, Principal-NIT, where she addressed all the key functionaries of the mentee institutes, followed by address of Mrs. Nidhi Singh, Registrar-NIT and the address of Prof. Amlan Chakraborty, COE-NIT.

#### On Day 1, 17<sup>th</sup> January 2022

**Mr. Atanu Roy Chowdhury, Founder Capsule Labs** began where he illustrated the details of Early stage entrepreneurship, startup mentoring and details. The session ended with the Vote of Thanks by Dr. Anilesh Dey, Head ECE Dept, NiT.

#### On Day 2, 18<sup>th</sup> January 2022

The speaker **Dr. Ramjee Pallela, COO, Atal Incubation Centre - Centre for Cellular and Molecular Biology, [AIC-CCMB]** gave a very important session on the networking of institutes, NISP, funding schemes etc.

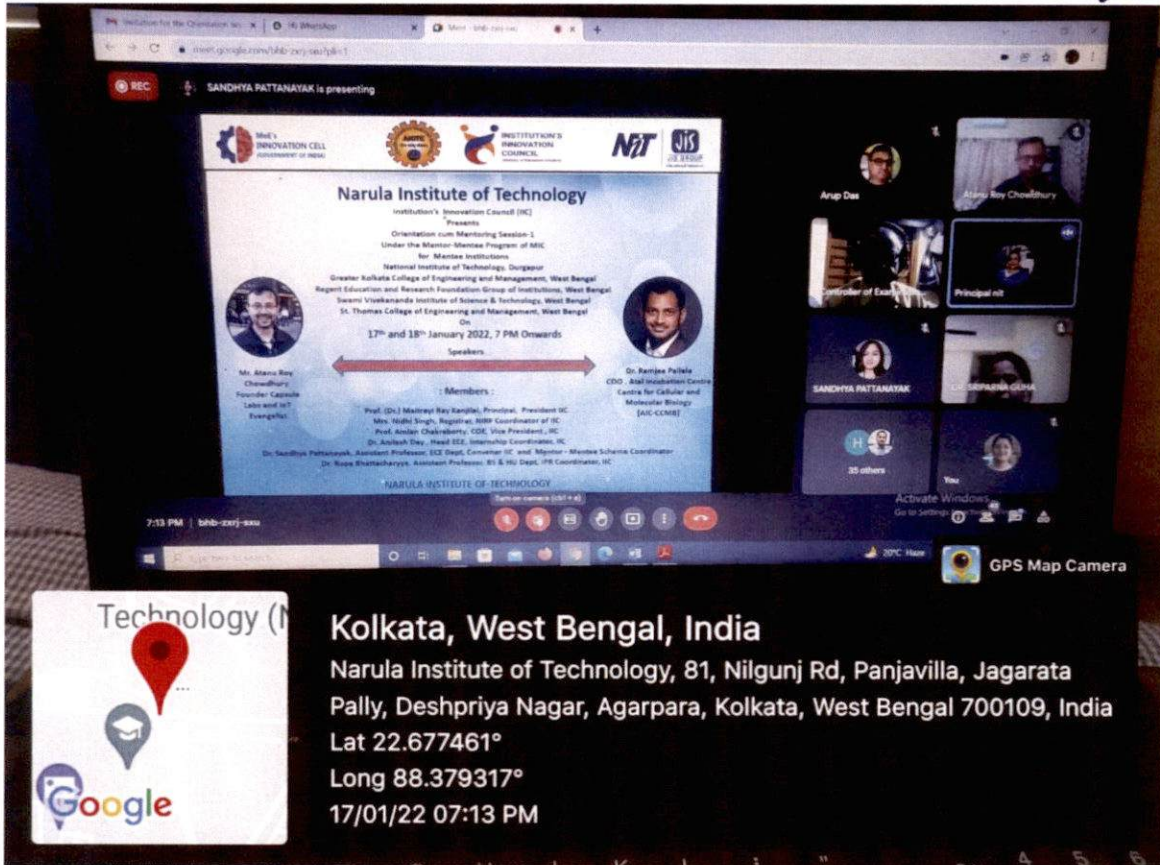
This was followed by a session by **Dr. Sandhya Pattanayak, ECE Dept and Convener MHRD-IIC Section of Narula Institute of Technology**, where she highlighted the guidelines and objective of activity conduction and uploading of the reports. **A total of 45 participants were present.**

The formal Vote of Thanks was extended by Dr. Sumit Chabri, ME Dept, NIT.

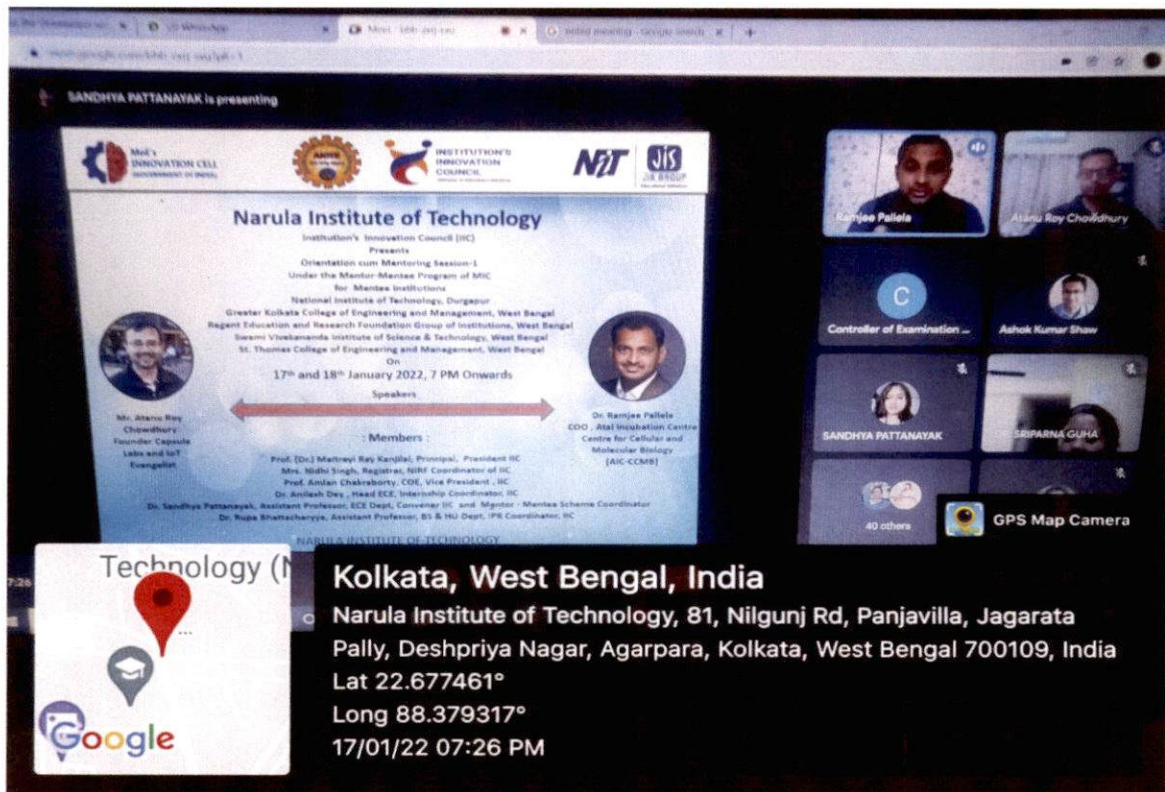
#### Geo tag pics:

Few pictures are attached herewith for reference.

S. Banerjee  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
31, Nilgunj Road, Agarpara, Kol-109

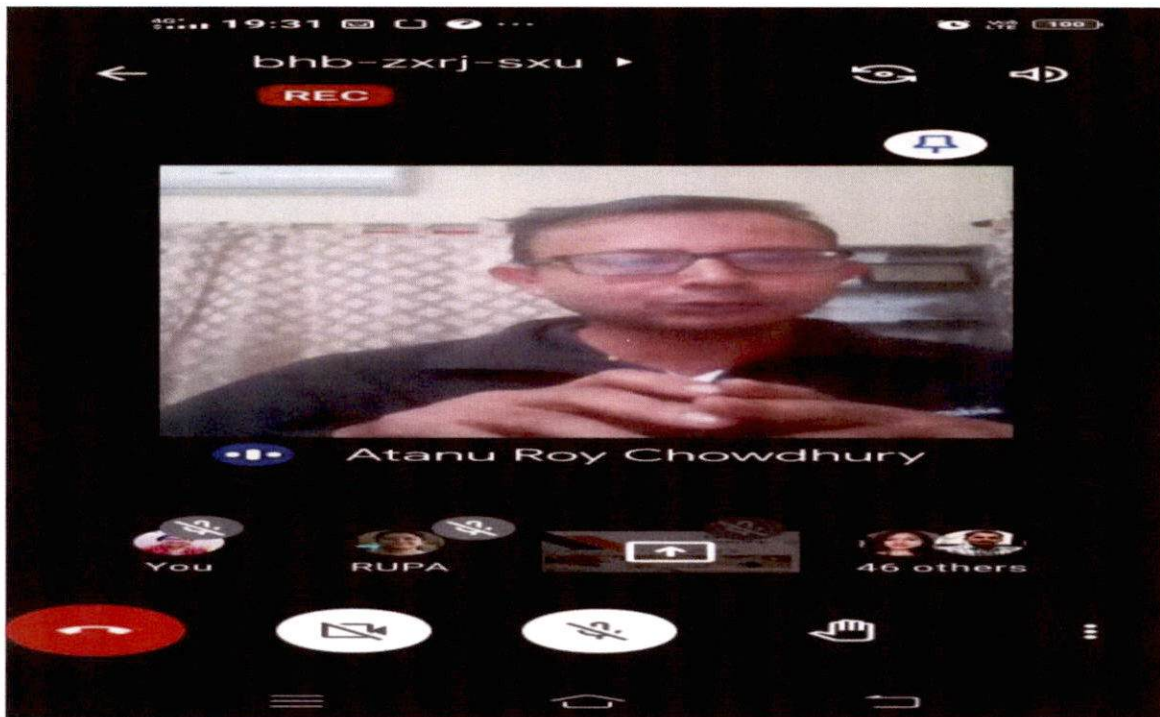


Inaugural session Dated: 17/01/2022

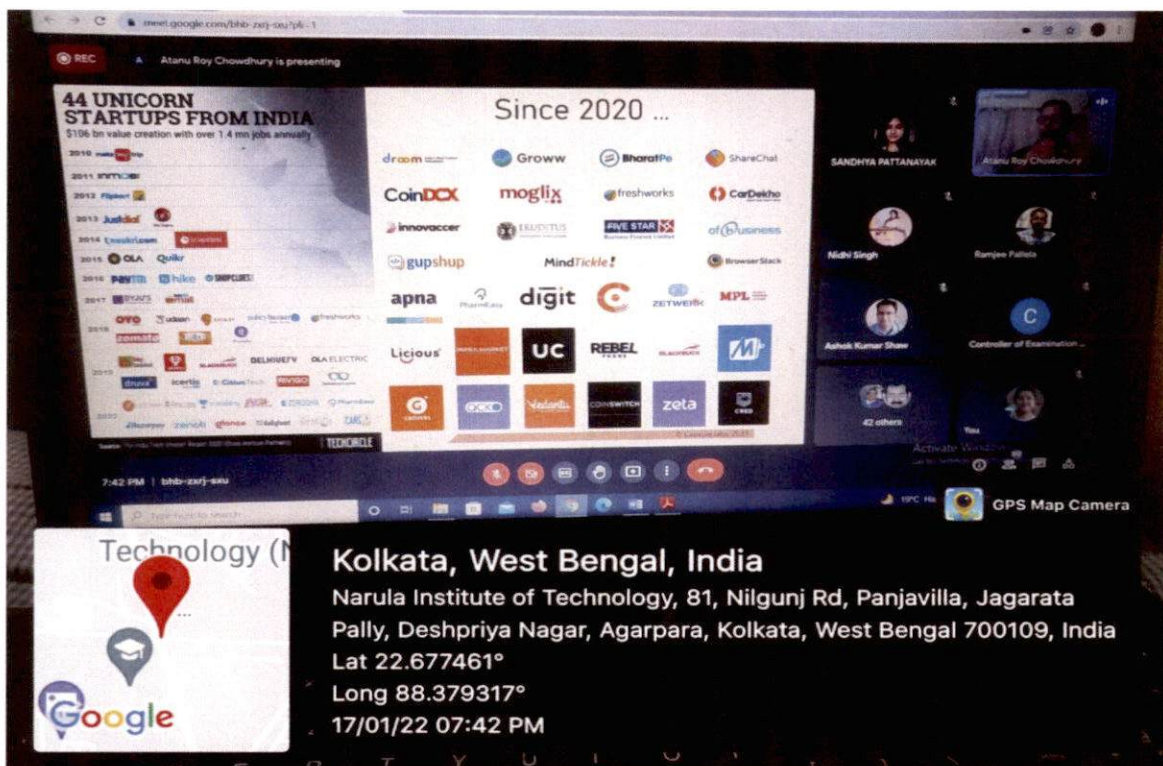


Inaugural session Dated: 17/01/2022

*S. Banerjee*  
Principal  
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81, Nilgunj Road, Agarpara, Kol-109



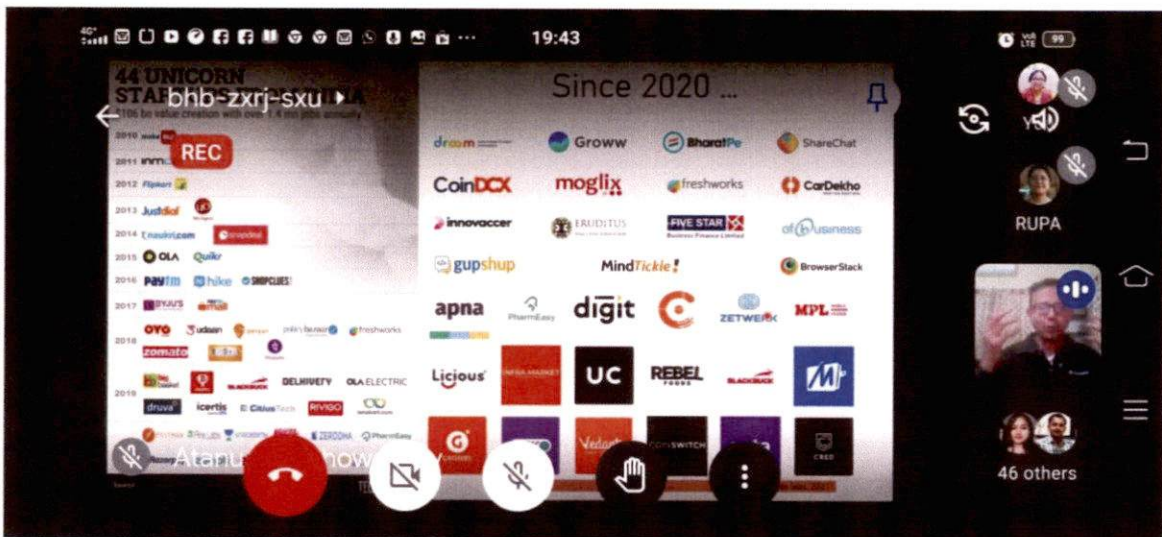
Mr. Atanu Roy Chowdhury presenting Dated: 17/01/2022



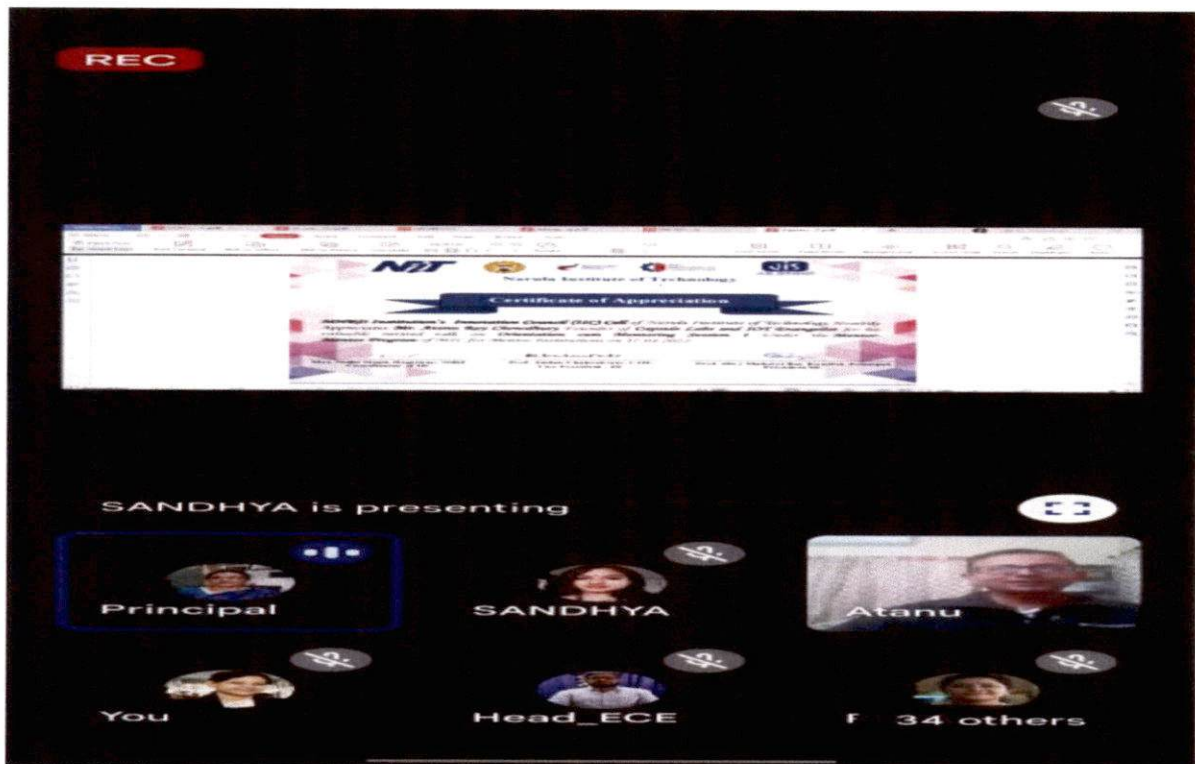
Mr. Atanu Roy Chowdhury presenting Dated: 17/01/2022

*S. Banerjee*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



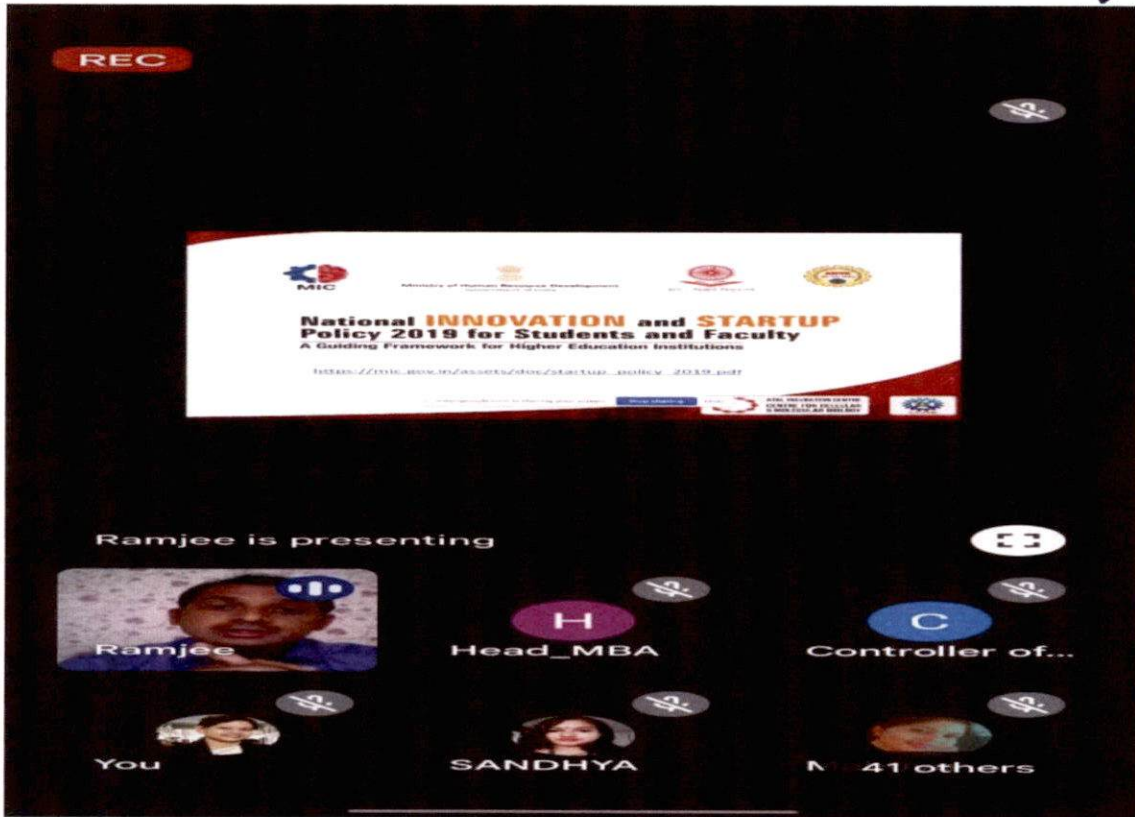


Mr. Atanu Roy Chowdhury presenting Dated: 18/01/2022

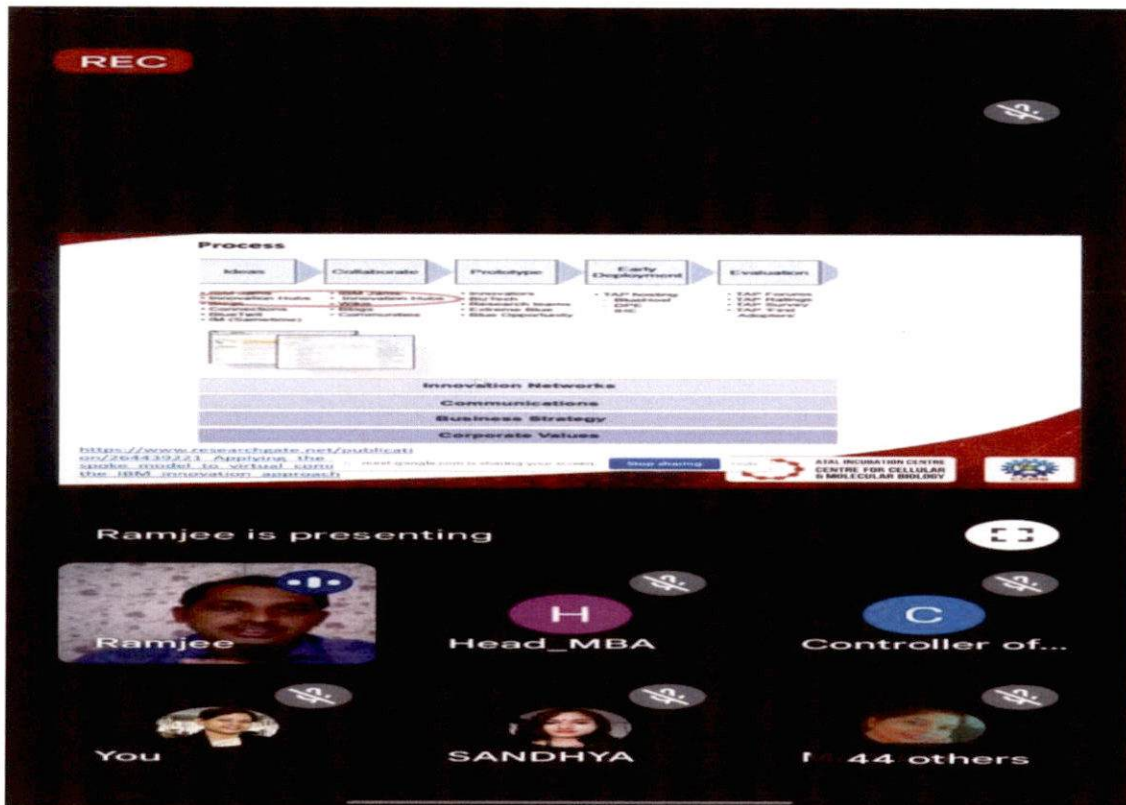


Appreciation certificate to Mr. Atanu Roy Choudhury Dated: 17/01/2022

*S. Prashant*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



Day 2 Dr. Ramjee Pallela presenting, Dated: 18/01/2022



Day 2 Dr. Ramjee Pallela presenting, Dated: 18/01/2022

*S. Swaje*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109

REC
⌵

**Guidelines for conducting activities:**

- IIC Calendar Driven Activities:**

  - These activities are pre-planned at the beginning of the IIC calendar year and prescribed by IIC of MIC for IIC institutions to follow.
  - These basic activities ensure and set the foundation for the innovation and entrepreneurship ecosystem in HEIs. Largely these activities are more useful for beginners and provide directional support to HEIs to start with. This category carries a 50% weightage total.
  - It is expected that each and every institution should thrive to organize a threshold number of minimum 3 activities per quarter to get the maximum weightages.
  - Every additional activity conducted above the threshold will be converted to reward points which help in score balancing and the accumulated points at the end of IIC 4.0 will be counted towards 5th star calculation.
  - Online resources for the calendar activities can be found at IIC Portal.

SANDHYA is presenting

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⌵

SANDHYA

Ramjee

Controller of...

You

Head\_MBA

A

38 others

Dr. Sandhya Pattanayak presenting, Dated: 18/01/2022

*S. Ramjee*  
 Principal  
 NARULA INSTITUTE OF TECHNOLOGY  
 81, Nilgunj Road, Agarpara, Kol-109

## NARULA INSTITUTE OF TECHNOLOGY

### Orientation cum Mentoring Session-2

Sessions on Startup Policy , NEP and IIC Calender activities

Under the Mentor-Mentee Program of MIC

08<sup>th</sup> June 2022 and 13<sup>th</sup> June 2022, 7pm onwards.

**Venue:** Online

**Date and Time:** 08<sup>th</sup> June 2022 and 13<sup>th</sup> June 2022, 7pm onwards

**No: of Participants:** 20

#### Speaker Details:

Sr.No	Name of the Expert from Mentor Institute	Organisation	Designation	Brief about Expert/Speaker
1.	Mr. B. P. Pattnaik	CGU Incubators, Odisha.	CEO	, Currently the CEO of CGU Incubators, Odisha, is an MTech in Energy and MBA in Marketing. He had started his professional career with the Engine and Generator Tycoons like Cummins and Perkins Asia Pacific, way back in 2004 as a business promotion executive and always been keeping a diversified interest
2.	Dr. J. K. Mandal,	Department of Computer Science & Engineering, Kalyani University	Professor	Professor, Department of Computer Science & Engineering, Former Dean, Faculty of Engineering Technology & Management, Kalyani University
3.	Dr. Sandhya Pattanayak,	Narula Institute of Technology	Associate Professor, ECE Dept, Convener- IIC-Narula Institute of Technology and Mentor - mentee scheme coordinator of Narula Institute of Technology	B.E and M.Tech from BPUT, Orissa, Ph.D from Jadavpur University Assistant Professor, ECE Dept and Convener MHRD-IIC Section of Narula Institute of Technology.

**Description of the Session:**

*S. Prasad*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109

Under the Mentor-Mentee Program for IIC Institutions, Implementing Agency – MoE's Innovation Cell (MIC), AICTE the MHRD IIC section of Narula Institute of Technology organized the orientation session 2 on the **08<sup>th</sup> June 2022 and 13<sup>th</sup> June 2022, 7pm onwards** for the key functionaries of the mentee institutes under Narula Institute of Technology

The Mentee Institutes are:

- National Institute of Technology, Durgapur
- St. Thomas College of Engineering and Management, Kolkata
- Swami Vivekananda Institute of Science & Technology, Kolkata
- Regent Education and Research Foundation Group of Institutions, Kolkata
- Greater Kolkata College of Engineering and Management, Kolkata

The orientation session was started by the Welcome Address of Prof. (Dr.) Maitreyi Ray Kanjilal, Principal-NIT, where she addressed all the key functionaries of the mentee institutes, followed by address of Mrs. Nidhi Singh, Registrar-NIT and the address of Prof. Amlan Chakraborty, COE-NIT.

**Key Highlights:**

**On Day 1,** The Day one the speaker was Mr. Bhagabati Prasad Patnaik, CEO, CGU Incubators

He spoke on the Global innovation index, startup India. He spoke on the NISP , Interdisciplinary research, vision to look ahead, strategies and governance to be taken at institute level to promote startup incampus. To create startup enabling institutional infrastructure. He also talked on the organizational capacity, HR incentives.

The norms for faculty startup, role and pedagogy and learning interventions for Entrepreneurship.

**On Day 2,**

Dr. J. K. Mandal gave an excellent session on National Education Policy, its evolution, and talked on India centered education system and Atma nirbhar Bharat. Also talked on National Education Technology forum . He discussed on the salient features of NEP, NRF innovative curricula to solve local problem

The session by **Dr. Sandhya Pattanayak, Assistant Professor, ECE Dept and Convener MHRD-IIC Section of NiT**, where she highlighted the Quarter 4 events, ATAL school selection, guidelines and objective of activity conduction and uploading of the reports.

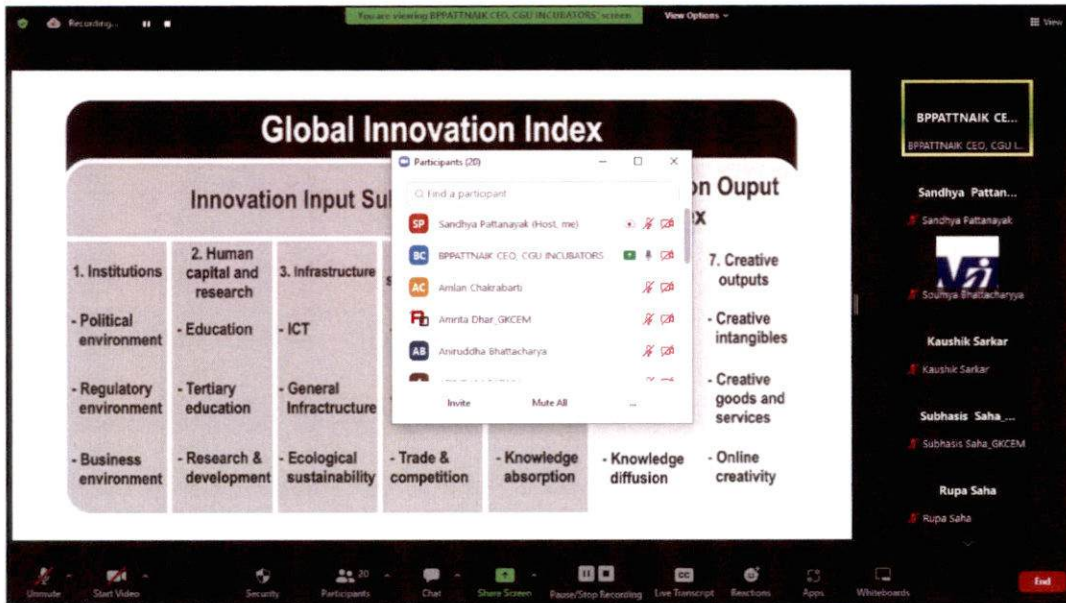
A total of 24 participants were present.

The formal Vote of Thanks was extended by Mr. Kaushik Sarkar.

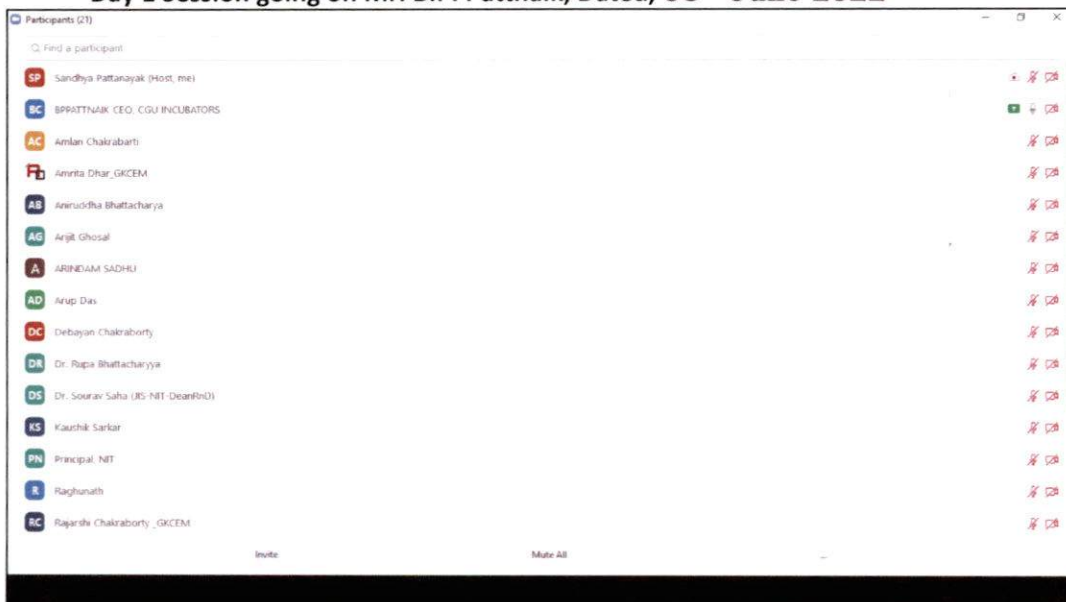
*S. Banerjee*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109

Few pictures are attached herewith for reference.

### Day 1 screenshot pictures



Day 1 Session going on Mr. B.P. Pattnaik, Dated, 08<sup>th</sup> June 2022



Day 1 Session going on Mr. B.P. Pattnaik, Dated, 08<sup>th</sup> June 2022

S. Banerjee  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109

Participants (21)

Find a participant

- ARINDAM SACHU
- Arup Das
- Debjayan Chakraborty
- Dr. Rupa Bhattacharyya
- Dr. Sourav Saha (IS-NIT-DeatRND)
- Kaushik Sarkar
- Principal, NIT
- Raghu Nath
- Rajarshi Chakraborty\_GKCEM
- Rupa Saha
- SALURAV GANGULY
- Subhasis Saha\_GKCEM
- Suparna Pancharani
- SUSMITA DAS
- S Ghosh

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Invite Mute All

**Day 1 Session going on Mr. B.P. Pattnaik, Dated, 08<sup>th</sup> June 2022**

The screenshot shows a Zoom meeting interface. The main content is a slide titled "Global Innovation Index" with two columns: "Innovation Input Sub-Indices" and "Innovation Output Sub-Indices".

Innovation Input Sub-Indices			Innovation Output Sub-Indices		
1. Institutions	2. Human capital and research	3. Infrastructure	7. Creative outputs		
- Political environment	- Education	- ICT	- Creative intangibles		
- Regulatory environment	- Tertiary education	- General Infrastructure	- Creative goods and services		
- Business environment	- Research & development	- Ecological sustainability	- Knowledge diffusion		
		- Trade & competition	- Knowledge absorption		
			- Online creativity		

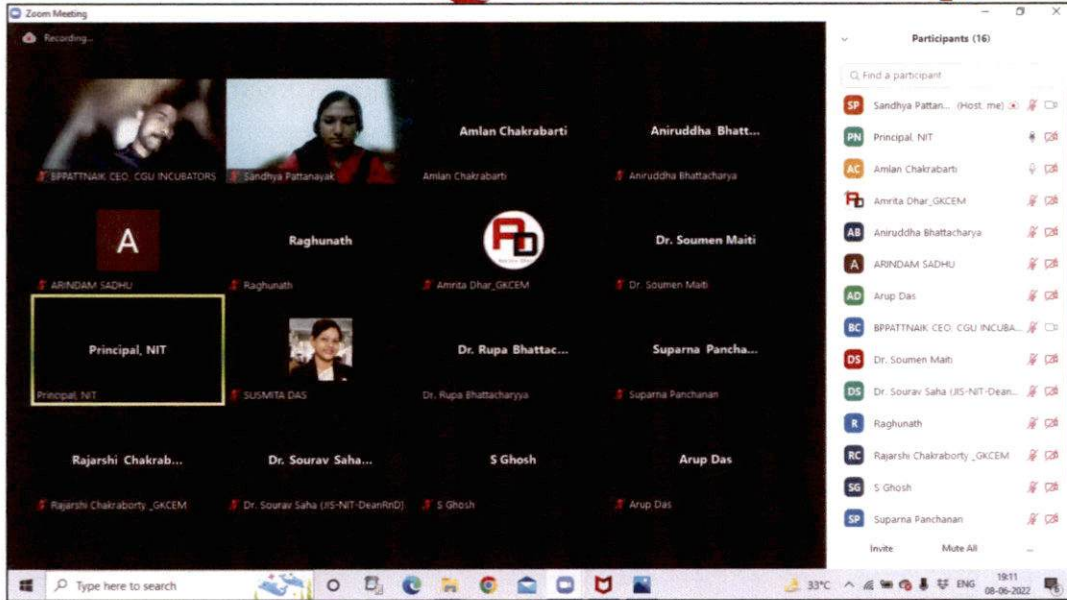
Overlaid on the slide is a "Participants (20)" window showing a list of participants:

- Sandhya Pattanayak (Host, me)
- BPPATNAIK CEO, CGU INCUBATORS
- Amlan Chakraborty
- Amrita Dhar\_GKCEM
- Aniruddha Bhattacharya

At the bottom of the Zoom window, there is a toolbar with icons for Mute, Start Video, Security, Participants, Chat, Share Screen, Pause/Stop Recording, Live Transcript, Reactions, Apps, Whiteboard, and End.

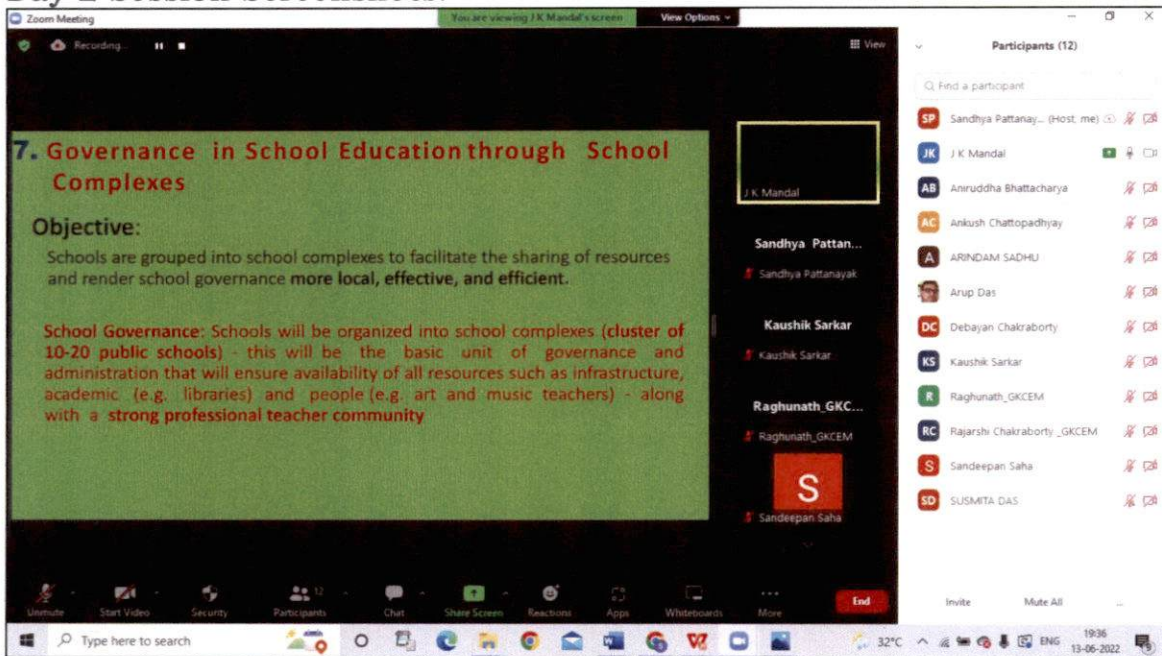
**Day 1 Session going on Mr. B.P. Pattnaik, Dated, 08<sup>th</sup> June 2022**

*S. Banerjee*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



Day 1 Session going on Mr. B.P. Pattnaik, Dated, 08<sup>th</sup> June 2022

Day 2 Session Screenshots:



Day 2 Session of Prof. J.K. Mondal Dated 13, June 2022

*S. Banerjee*  
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81, Nilgunj Road, Aadarpara, Kol-109



During his tenure as the Education Minister, Maulana Abul Kalam Azad set up

the University Grants Commission, the All India Council for Technical education, the Kharagpur Institute of Higher Education, the University Education Commission and the Secondary Education Commission. establishment of Jamia Millia Islamia IIT Kharagpur.

Azad had been advocating for education for women and free and compulsory primary education for children up to the age of 14.

He passed away on February 22, 1958.

J.K. Mondal

Sandhya Pattan...

Sandhya Pattanayak

Kaushik Sarkar

Kaushik Sarkar

Aniruddha Saha

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**Kolkata, West Bengal, India**

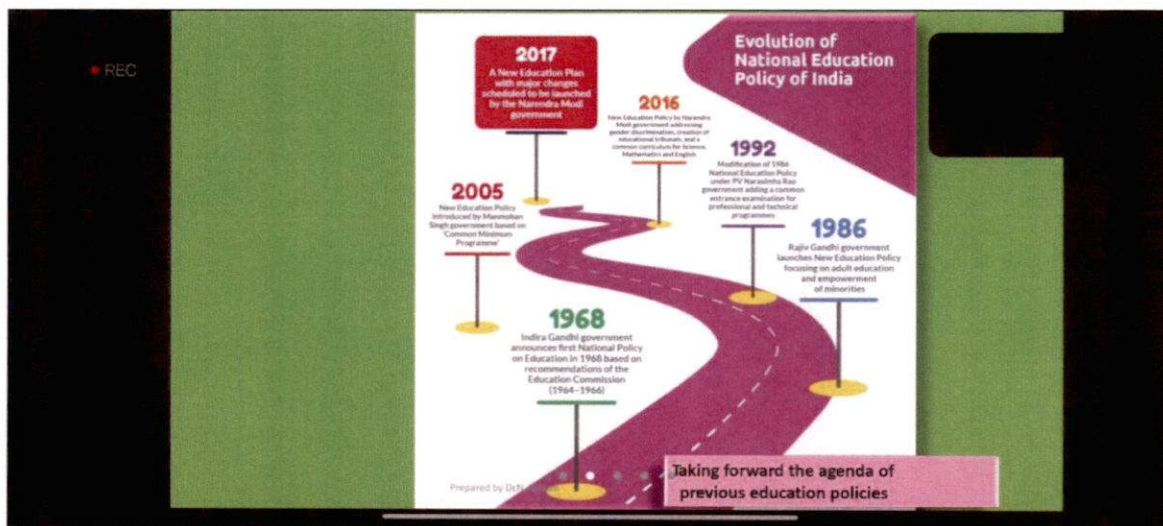
Narula Institute of Technology, 81, Nilgunj Road, Kolkata

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Long 88.376891°

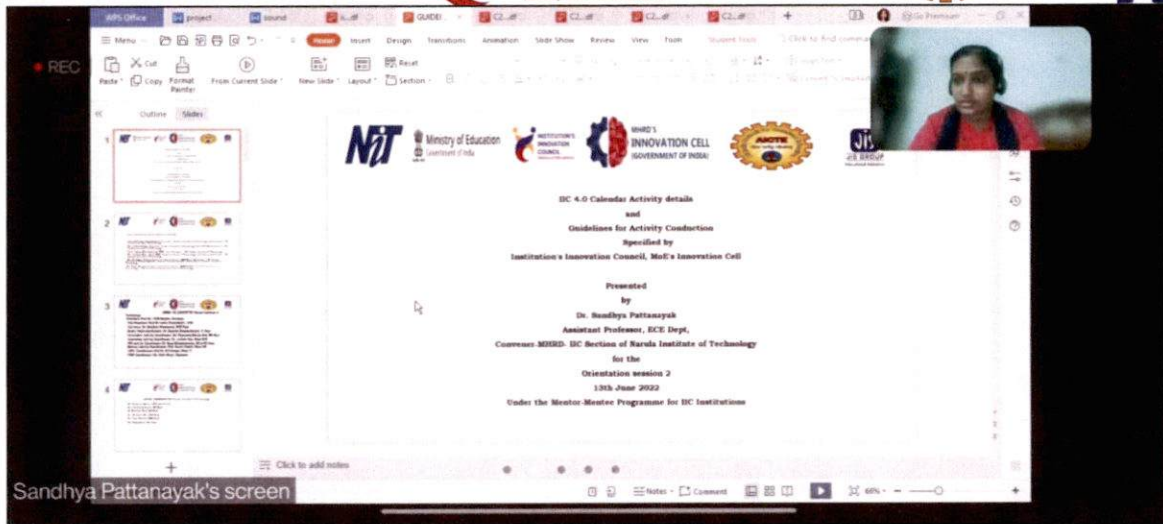
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Day 2 Session of Prof. J.K. Mondal Dated 13, June 2022

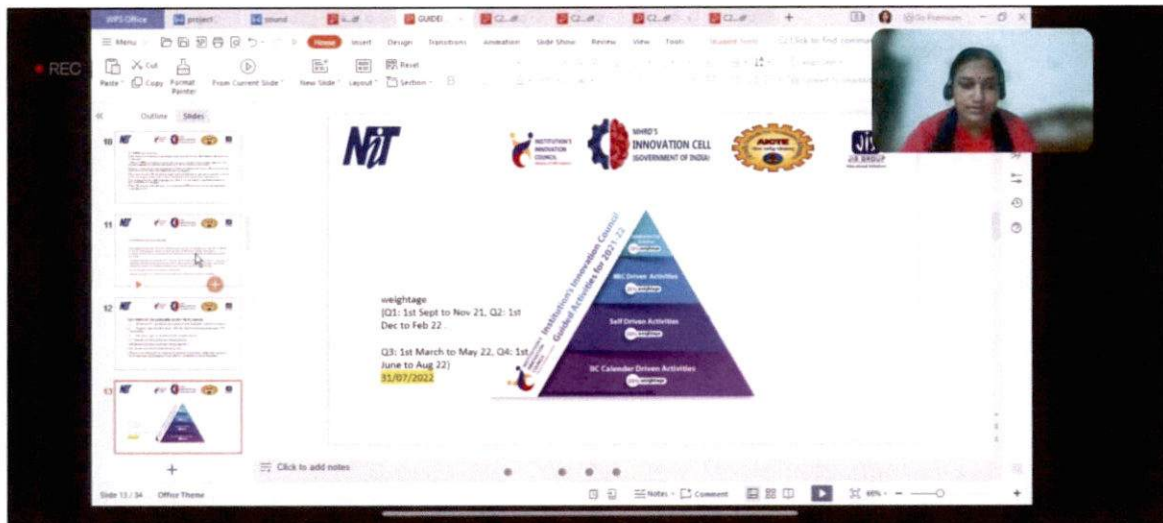


Day 2 Session of Prof. J.K. Mondal Dated 13, June 2022

S. Banerjee  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



Day 2 Session by Dr. Sandhya Pattanayak Dated: 13<sup>th</sup> June 2022



Day 2 Session by Dr. Sandhya Pattanayak Dated: 13<sup>th</sup> June 2022

S. Banerjee  
 Principal  
 NARULA INSTITUTE OF TECHNOLOGY  
 81, Nilgunj Road, Agarpara, Kol-109



## Narula Institute of Technology

Institution's Innovation Council (IIC)

Presents

Orientation Session 2

for Mentee Institutions

National Institute of Technology, Durgapur

Greater Kolkata College of Engineering and Management, West Bengal

Regent Education and Research Foundation Group of Institutions, West Bengal

Swami Vivekananda Institute of Science & Technology, West Bengal

St. Thomas' College of Engineering and Technology, West Bengal

On

8<sup>th</sup> & 13<sup>th</sup> June 2022, 7 PM Onwards

### Speakers



Mr. B. P. Pattnaik,  
CEO of CGU  
Incubators,  
Odisha



Prof. (Dr.) J.K.Mondal,  
Professor  
Department of Computer  
Science & Engineering,  
Kalyani University

### : Members :

Prof. (Dr.) Maitreyi Ray Kanjilal, Principal, President IIC

Mrs. Nidhi Singh, Registrar, NIRF Coordinator of IIC

Prof. Amlan Chakraborty, COE, Vice President, IIC

Dr. Anillesh Day, Head ECE, Internship Coordinator, IIC

Dr. Sandhya Pattanayak, Assistant Professor, ECE Dept, Convener IIC and Mentor - Mentee Scheme Coordinator

Dr. Rupa Bhattacharyya, Assistant Professor, BS & HU Dept, IPR Coordinator, IIC

**NARULA INSTITUTE OF TECHNOLOGY**

Session Dated: 8<sup>th</sup> and 13<sup>th</sup> June 2022

*S. Prasad*  
Principal

**NARULA INSTITUTE OF TECHNOLOGY**  
81, Nilgunj Road, Aqarara, Kol-109



**Webinar session**  
**“Innovation for Startups”**  
**29<sup>th</sup> January, 2022**

**Objective: To motivate and guide students to take up innovation.**

**Venue: Online**

**Speakers: Mr. Sumit Thakur, Head of Partnerships – APAC at Mainstage Incubator UG (Germany)**

**No: of participants: 100**

**Speaker: Mr. Sumit Thakur. He is currently the Head of Partnerships – APAC at Mainstage Incubator UG (Germany).**

The Department of Computer Science & Engineering (CSE) & Information Technology (IT) of Narula Institute of Technology jointly organized a **Webinar session on “Innovation for Startups” on 29<sup>th</sup> January, 2022** in the virtual mode.

**The resource person for the webinar was Mr. Sumit Thakur. He is currently the Head of Partnerships – APAC at Mainstage Incubator UG (Germany). Previously, he was Founder & CEO of Untap’d (India) and Head of Sales – APAC at Mainstage Incubator UG (Germany).**

The program commenced with a welcome address followed by the introduction to the speaker. The session was very much informative, enjoyable and interactive where Mr. Thakur shared his valuable thoughts, experience with the participants and also attended the question answer session.

**More than 100 participants** including students, faculty & staff members attended the session through online meet as well as through live streaming.

This webinar session was coordinated by **Dr. Chandrima Chakrabarti, Assistant Professor, CSE Dept** and **Mr. Soumya Bhattacharyya, Assistant Professor, IT Dept** under the umbrella of MHRD IIC Cell.

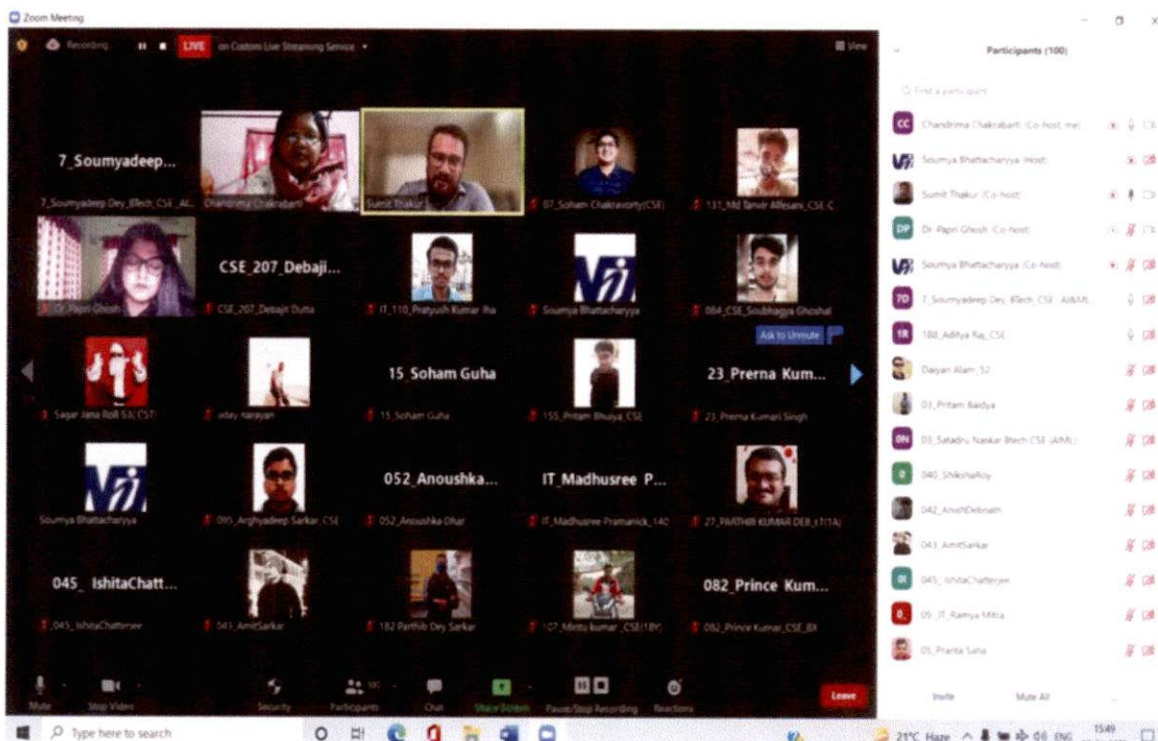
The program ended with a vote of thanks by the coordinators. The session was highly appreciated by the students.

**Outcome: Students gained knowledge on problem finding, solution, and going for a startup.**

*S. Banerjee*  
Principal  
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81, Nilgunj Road, Agarpara, Kol-109

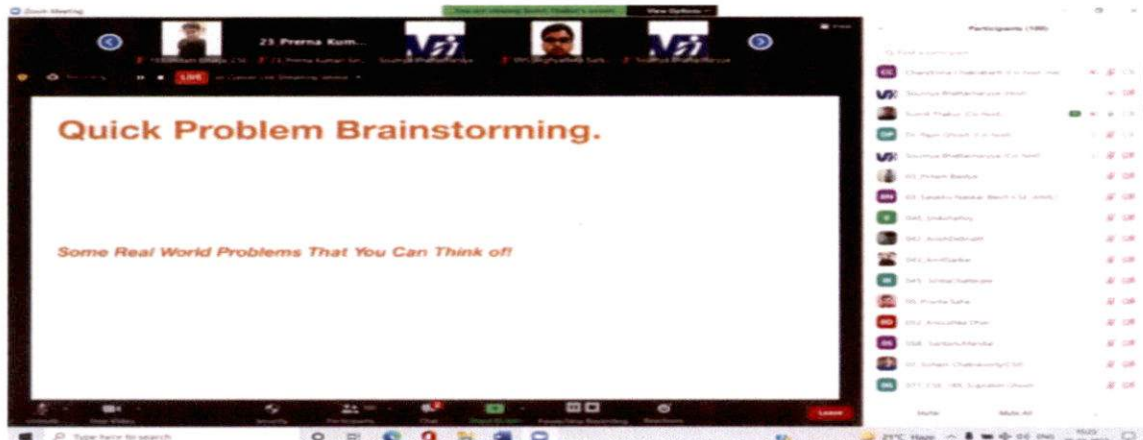


Session ongoing: Dated: 29/01/2022



Session ongoing: Dated: 29/01/2022

*S. Swajay*  
Principal  
NARULA INSTITUTE OF TECHNOLOGY  
81, Nilgunj Road, Agarpara, Kol-109



Session ongoing: Dated: 29/01/2022

**WEBINAR**

## Innovation for Startups

**Organized by**  
CSE & IT Department  
NiT Agarpara

**SPEAKER**  
**Mr. Sumit Thakur**  
Growth Partnerships, Chargebee  
Ex- Founder & CEO, Untap'd



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29<sup>th</sup> January, 2022  
3 PM Onwards

Session Dated: 29/01/2022

*S. B. Sengupta*  
Principal  
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