

# Interactive session on "Entrepreneurship and Innovation as Career Opportunity 27<sup>th</sup> September, 2019.

Objective of the event: To create Entrepreneurship Culture Venue: Seminar Hall, Narula Institute of Technology Speakers

- Mr. Sitanath Mukhopadhyay
   Asistant Director, MSME-DI, Ministry of MSME, Kolkata
- 2) MD Afnan Kayal
  Managing Partner- Accel Creatives Digital Solution
  Number of participants: 267

# Description of the Event:

MHRD-IIC section of Narula Institute of Technology as a part of Innovation Campaign Activities in Collaboration with the Entrepreneurship Development Cell (EDC) of Narula Institute of Technology, organized an Interactive session on "Entrepreneurship and Innovation as Career Opportunity" with an aim to create Entrepreneurship Culture in the Institute on 27th September, 2019.

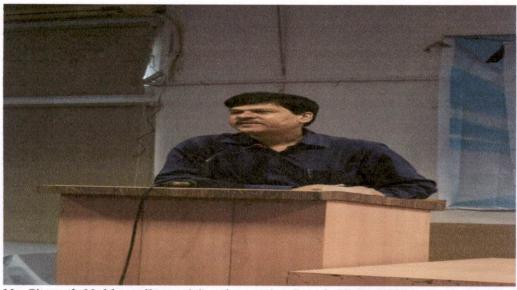
The Honorable Speakers include were Mr. Sitanath Mukhopadhyay, Asistant Director, MSME-DI, Min of MSME, Kolkata and MD Afnan Kayal, Managing Partner- Accel Creatives Digital Solution.

Total 267 students and faculty participated in the session. They interacted with the experts to clear their doubts regarding an alternative career in Entrepreneurship.

Experts were very happy about the initiative taken by an educational Institute like ours, and extended their hearty warm wishes to carry forward this effort towards fulfilment of the purpose of introducing entrepreneurship in educational institutes. They have also given their words towards extending all kinds of help and support for implementing entrepreneurship culture in the Institute in the future also.

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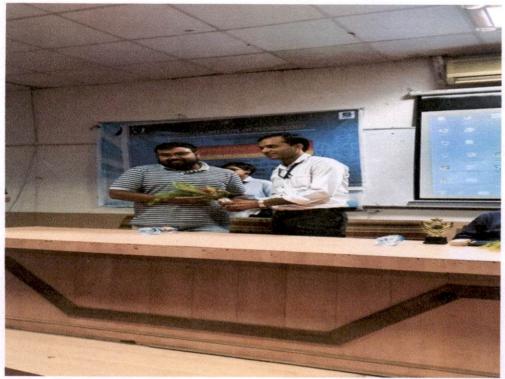
Mr. Sitanath Mukhopadhyay giving the session Dated: 27 Sept 2019



Mr. Sitanath Mukhopadhyay giving the session Dated: 27 Sept 2019







MD Afnan Kayal, Managing Partner- Accel Creatives Digital Solution being felicitated by Dr. Sumit Chabri, 27 Sept 2019





# Webinar

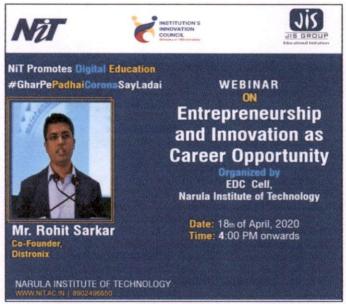
# "Entrepreneurship And Innovation as Career Opportunity" 18th April, 2020 Venue: Online Mode (Googlemeet)

# Objective of the event:

1. To create awareness of Entrepreneurship amongst the budding engineers.

2. To motivate the students to for design thinking leading to innovation.

Mode of event: Online through Google meet



Speaker of the session Mr. Rohit Sarkar, 18/04/2020

Speaker: Mr. Rohit Sarkar,

Designation: Co-Founder, Distronix.

Total number of participants: 88

# Description of the event:

The Entrepreneurship Development Cell (EDC) of Narula Institute of Technology organized a **Webinar on "Entrepreneurship and Innovation as career opportunity" on 18th April, 2020.** Speaker of the session was Mr. Rohit Sarkar, Designation: Co-Founder, Distronix.

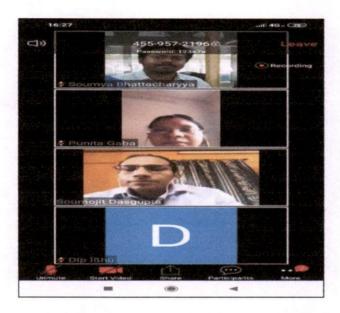
Prof. (Dr.) M.R. Kanjilal, Honourable Principal officially inaugurated the session on digital platform. The speaker shared his personal experiences of entrepreneurship activities and explained the various facets of behavioral skills for a budding entrepreneur. The students also participated enthusiastically and cleared their doubts regarding an alternative career in Entrepreneurship. Total 88 students attended the session.



There was an engrossing and interactive Q & A Session. Queries poured in from both students and faculties. Numerous newer dimensions were unearthed in terms of entrepreneurship.

The speaker was happy about the initiative taken for the digital platform of interaction. He also promised towards extending all kinds of help and support for implementing Entrepreneurship culture in the Institute in future.

**Outcome of the Event:** Students learned that Entrepreneurship can be a part of student's career. They also learned the importance of innovation for a successful startup



Participants attending the session, 18/04/2020





# Conquer Covid-19 Hackathon 15th, 16th and 17th April, 2020

Venue: Online mode (Zoom)

# Objective of the Event:

- 1. To motivate students to come up with solutions that prevent the spread of Corona.
- 2. To promote startups in campus.

Mode of event: Online mode (Zoom)

Number of participants: 146

# Judge of the event:

- 1. Mr. Sitanath Mukhopadhyay, Designation: Assistant Director (DG&C), MSME, Kolkata.
- 2. Dr. Prabir Prabir Kumar Aditya, Designation: CEO, SPRINRIVER Technology Pvt Ltd, (Spring & River), Kolkata

# Description of the event:

MHRD IIC section of NiT organised the online conquer covid 19 hackathon online from  $15^{th}$  –  $17^{th}$ , April 2020. Participants from different colleges as well as other states also presented the idea.

The event was judged by Mr. Sitanath Mukhopadhyay, Assistant Director (DG&C), MSME, Kolkata and Dr. Prabir Prabir Kumar Aditya, CEO, SPRINRIVER Technology Pvt Ltd, (Spring & River), Kolkata. A total of 146 students participated in the hackathon.

A lot of innovative ideas and prototype were presented.

The winners of the conquer covid hackathon are:

# 1st Prize: Low Cost Fully Automated and IoT based Bag Valve Mask

Tanmoy Munshi, ECE 3RD Year

Swagata Dasgupta, , ECE 3RD Year

Indranil Jana, ECE 3RD Year

Sandipan Seal, ECE 3RD Year

Dr. Anilesh Dey. Faculty ECE

2<sup>nd</sup> Prize: Self Sanitizing Pod





Sougata Sikader, CE, 2<sup>nd</sup> year

Subhradip Sengupta, CE, 2<sup>nd</sup> year

Santu Ghosh, CE, 2<sup>nd</sup> year

Souvik Roy, CE 2<sup>nd</sup> year

Dishani Samaddar, CE 2<sup>nd</sup> year

# 3<sup>rd</sup> Prize: Design of an automatic contact less delivery drone

Ratul Saha, EIE 2nd year

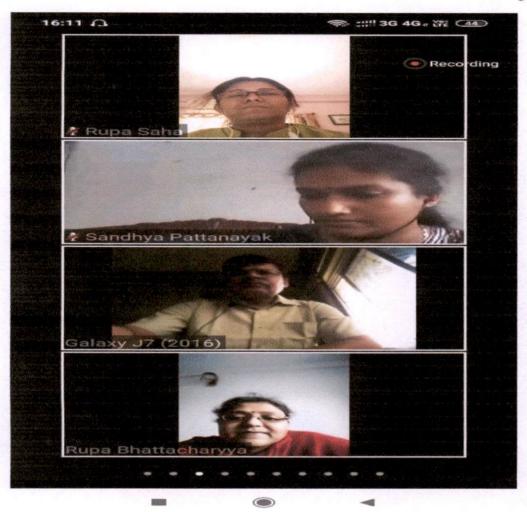
Raktim Pratihar EIE, 4th year

Sourab Ghosh, EIE 2nd year

Debmalya Sadhukhan, EIE 3rd year







Ongoing presentations of Conquer Covid-19 Hackathon: Dated: 15th April 2020







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Ongoing presentations of Conquer Covid-19 Hackathon: Dated: 15th April 2020





#### Webinar

# 'Post COVID 19: Business opportunities & threats"

on

11th May, 2020.

Venue/mode of event: Online (zoom platform)

Time: 4pm

# Objective of the event:

1. To look into the Business opportunity during the pandemic

2. Analyse the impact of Covid-19 situation on several business fields highlighting on the opportunities and threats of them



Speaker: Dr. Sanjoy Roy, Dated: 11/05/2020

Speaker: Dr. Sanjoy Roy, Founder,

Designation: CEO, Shamrock Polymer, Chennai

Total number of participants: 80

# Description of the event:

The Department of Basic Science & Humanities, Narula Institute of Technology, organized a webinar entitled 'Post COVID 19: Business opportunities & threats' on 11th May,2020 at 4 PM on zoom platform.

The entire session was coordinated by Dr. Sumit Nandi, HOD, Dept. of Basic Science & Humanities and Dr. Rupa Bhattacharyya, Dept. of Basic Science & Humanities.





The speaker of the session was Dr. Sanjoy Roy, Founder and CEO, Shamrock Polymer, Chennai. There were many participants including faculty of different Departments along with the faculty members of Basic Science & Humanities and also students of various streams.

Dr.Sanjoy Roy immensely narrated the impact of Covid-19 situation on several business fields highlighting on the opportunities and threats of them. In his lecture, he stated the different business sectors starting from telecommunication, chemical, transport, tourism and entertainment, courier service, software, etc. to the education industry. Dr. Roy specifically pointed to the sectors which can undergo a boom in this pandemic situation as well as on those which have the possibility of a downfall. He also mentioned about the manpower involvement in running businesses. Moreover, he focused on the vision that every threat was an opportunity.

The entire session was extremely interactive with a question answer session by the participants. The meeting ended with a vote of thanks by Dr. Sumit Nandi. The overall session was very informative, lucid and enlightened the students and faculty alike.

#### Outcome of the event:

Students and faculty learned about the business opportunity during the pandemic. It was a boost for the students who want to go for startups.





Dr. Sanjoy Roy presenting, Dated: 11/05/2020







Dr. Sanjoy Roy presenting, Dated: 11/05/2020

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# Webinar

on

# "Industry 4.0 and Entrepreneurship: Today's Perspective" 14th May, 2020 Venue: Online Virtual Platform (zoom)

# Objective of the event:

1. to inculcate Entrepreneurship skills in students.

2. To discuss progress and transformation of society and industries from Industry 1.0 to Industry 4.0

Speaker: Mr. Tapas Piplai,

CEO-Capability Enhancement Centre, Pune.

Designation: Former Senior Vice President & Business Head, Lucas TVS

Ltd.

Total number of participants: 100

# Description of the event:

The Entrepreneurship Development Cell (EDC) of Narula Institute of Technology organized a Webinar session on "Industry 4.0 and Entrepreneurship: Today's Perspective" on 14th May, 2020 with an aim to inculcate Entrepreneurship skills in students.

The speaker for the session was Mr. Tapas Piplai, Former Senior Vice President & Business Head, Lucas TVS Limited.

The speaker shared his personal experiences of entrepreneurship activities. The progress and transformation of society and industries from Industry 1.0 to Industry 4.0 were also discussed along with the exponential speed of growth of Industry 4.0.

Mr.Piplai explained the various kinds of integration, such as horizontal, vertical and end-to-end integrations with the concepts of Big data, Autonomous robot, cloud computing and IOT.

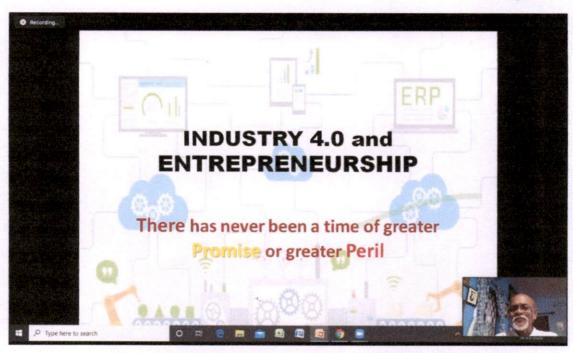
The session followed by Q & A Session where the students participated in large numbers and cleared their doubts regarding an alternative career in Entrepreneurship. The session ended with a vote of thanks by Dr. Sumit Chabri,

### Outcome of the event:

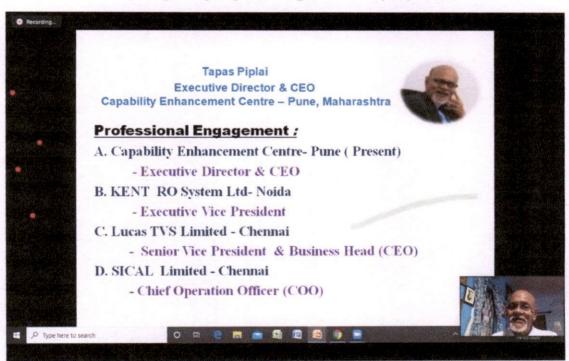
Students learned about horizontal, vertical and end-to-end integrations with the concepts of Big data, Autonomous robot, cloud computing and IOT.

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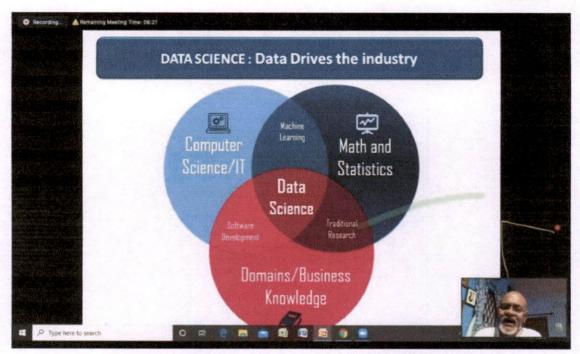
Mr. Tapas Piplai presenting, Dated: 14/05/2020



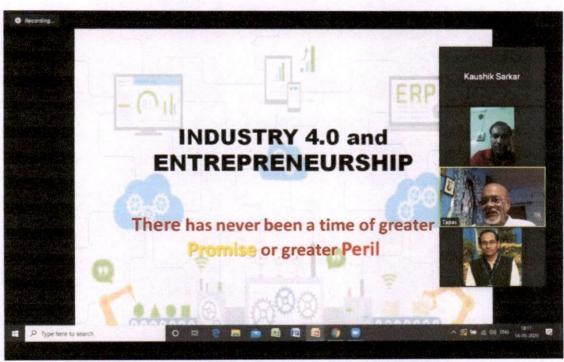
Mr. Tapas Piplai presenting, Dated: 14/05/2020







Mr. Tapas Piplai presenting, Dated: 14/05/2020



Mr. Tapas Piplai presenting, Dated: 14/05/2020







# Webinar on "Impact of COVID-19 on Businesses in India"

# 15th May, 2020 from 7:30 PM to 8:30PM. Venue: Virtual Platform (online through zoom)

# Objective of the event:

- To make students and faculty understand the currect impact of covid on businesses
- 2. Effect of Covid19 on consumer buying behaviour and post lockdown period

Mode of event: Online through Zoom

Speaker: Mr.Sumanta Debnath,

Designation: Head of Manufacturing Operations ,Carborundum

Universal Limited, Kolkata Unit.

Total number of participants: 192

Narula Institute of Technology has organised a Webinar on "Impact of COVID-19 on Businesses in India" on 15th May, 2020 from 7:30 PM to 8:30PM. The Program was organised by Dr.Sriparna Guha

The session was facilitated by Mr.Sumanta Debnath,

Head of Manufacturing Operations ,Carborundum Universal Limited ,Kolkata Unit.

The speaker started the session with his opinions regarding the impact of Covid 19 on businesses. He explained the effect of Covid 19 on consumer buying behaviour and post lockdown period and also discussed segmental impacts on automotive real estates and manufacturing sectors.

The session was attended by students along with the faculty members from different departments. The question answer session was also very interactive where participants asked a variety of questions from the field of marketing and technology.

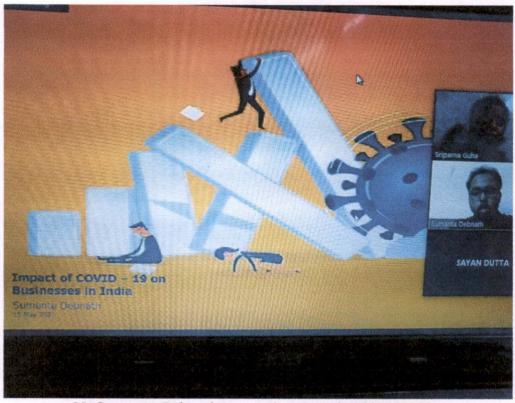
#### Outcome of the Event:

Students gained knowledge on effect of Covid19 on consumer buying behaviour and post lockdown period and also on segmental impacts on automotive real estates and manufacturing sectors.

Some pictures of the webinar are attached herewith for your kind perusal.

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Mr.Sumanta Debnath presenting, Dated: 15/05/2020



Mr.Sumanta Debnath presenting, Dated: 15/05/2020





# NASA INTERNATIONAL SPACE APPS CHALLENGE 2019, HACKATHON

# organized by Narula Institute of Technology in association with Think again Educational Services LLP.

21st September, 2019

NASA INTERNATIONAL SPACE APPS CHALLENGE 2019, HACKATHON was organized by Narula Institute of Technology on 21st September, 2019 in the institute premises in association with Think again Educational Services LLP. Total 220 students participate in this mega event.

In the inauguration ceremony, our honourable Principal Prof (Dr.) M.R.Kanjilal gave the introductory speech followed by the Registrar Mrs. Nidhi Singh and **Mr. Arijit Saha, CEO,Think Labs.**The Opening ceremony ended with the vote of thanks by Dr. Dhananjay Kumar Tripathi, one of the In-charge of the Hackathon.

The students were from different background viz. technology, Business administration and Computer application from different institutes. Students have shown their problem solving skills by painting (Space, new life, new possibilities), model making, machine learning, internet of things, robotics and AR/VR and nearly 50 teams have participated.

The App event has started with plantation by the college authorities and founder, co-founder and other authorities of Think again Educational Services LLP.

The students showcased their talent and were judged by the experts of Thinkagain Lab and the external experts deputed by the institute. Three teams were selected by experts of Thinkagain Lab and three teams were selected by external experts deputed by our institute. Total teams have got entry six into state level NASA INTERNATIONAL SPACE APPS CHALLENGE 2019, HACKATHON. . Successful teams were felicitated by the judges.



#### **Mentor Profile:**

# Mr. Arijit Hajra:CEO, Think Labs.

Mr. Arijit Hajra started his first startup at 22 while he was still a student and provisionally filed his first patent in Robotics and Electronics domain at the age of 23. He has experience in several state-of-the-art Technologies like Artificial Intelligence, Robotics, Internet of Things, UI/UX, Web & App Development. He is currently doing research on Brain-Computer Interfacing, Invisible Technology, and BlockChain. He has mentored more than 10,000+ students across India. He has won more than 10 business plan/ Innovation competitions & awards in India Arijit's new infusion to the Market is the Company, Think Again Lab, which is promoting techno-spiritual research and innovation in India through Workshop, Hackathons, Hands-on-training, Internship, Mentorship and Awareness Camps for youths, parents and faculties to create a Research – Innovation – Entrepreneurial ecosystem in India.



Mr. Arijit Hazra being felicititated by Prof. (Dr.)M. R.Kanjilal, , 21 Sept 2021







Selected team of the NASA Space APP challenge, 21 Sept 2021



Participants presenting their ideas 21 Sept 2021



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# Report

# Student Solar Ambassadors Workshop

1st October 2019.

Venue: Seminar Hall

Objective: A training workshop to make students make their own solar lamp.

Venue: Seminar Hall, Narula Institute of Technology

Speakers:

Sl. No.	Name of the Master Trainers
1	Pratyusha Biswas Deb, EE Dept
2	Soumen Pal, ECE Dept
3	Susmita Das, EIE Dept
4	Pallav Dutta, EE Dept
5	Puspak Pain, ECE Dept
6	Kamalika Banerjee, EE Dept
7	Arkendu Mitra, EE Dept

Total participants: 440

The young generation who will be the biggest burden of the climate change has to take a serious part by being concerned about the future of this Globe. Solar Energy can compensate this issues a bit. In this purview, it is important to sensitize the young future users of energy towards renewable energy, particularly solar.

IIT Bombay organised a unique one-day training workshop on 2nd October 2019 marking the 150th birth anniversary of Mohandas Karamchand Gandhi; wherein students across the country learned to make their own solar study lamp.

This year our college Narula Institute of Technology took part in it and made it happen successfully on 1st October 2019.

Workshop is an inherent part of our college. Repeatedly many workshops have been organised for the benefit of Students. The Student Solar Ambassadors, was hosted by Narula Institute Of Technology, organised by Indian Institute of Technology, Bombay.

The workshop started at 10:00 am in the morning where dignitaries like honourable Principal Ma'am Dr. Prof. M.R. Kanjilal, respected Dean Sir Dr. Prof. S.C Konar, respected Controller of Examination Prof. A. Chakrabarti and all the honourable Head of the departments prized their precious time. Around 425 students took part.



The kits for this workshop such as the components, solar panels, LEDs & etc were provided to them. After the inauguration by felicitating Mahatma Gandhi who propagated non violence and a performance by our 1st year's students the event proceeded. Our dignitaries gifted us some few words from their vast knowledge on renewable energy sources, how can youngsters utilise the solar power, and what are the consequences so on.

At 11:30am the hands on experience started. We had our respected trainers. They all guided the students about solar lamp and all the students including all the departments made their own solar lamp. Our trainers helped us in each steps clearing out the doubts, queries.

We also had a quiz session on this topic, students participated whole heartedly and at 2:30pm the event came to an end. From beginning to end it was looking like a gala event.

Overall the institution got an amazing chance to make the students more aware about the crucial time they are heading towards. The students will not only use the lamp but also promote Solar Technology to their friends and families and thus become Student Solar Ambassadors.

# Solar Ambassador Workshop (List of the Master Trainers)

Sl. No.	Name of the Master Trainers
1	Pratyusha Biswas Deb
2	Soumen Pal
3	Susmita Das
4	Pallav Dutta
5	Puspak Pain
6	Kamalika Banerjee
7	Arkendu Mitra



Principal Prof.(Dr.) M.R.Kanjilal addressing the gathering, Dated:1st October 2019.









Participants with the trainers, Dated: 1st October 2019.



Participants working on the solar lamp, 1st October 2019.



Participants working on the solar lamp, 1st October 2019.







Participants on the completion of solar lamp, 1st October 2019.

**Outcome:** students learned how to build their solar lamp, a product design was done.





# Report on

# National Innovation and Start-up Policy (NISP)

13th December 2019

# Objective:

- 1. Create awareness on National Innovation and Start-up Policy (NISP)
- 2. To encourage startups in campus

Venue: Seminar Hall

Speaker: Prof. Dr. S. C. Konar, Dean R&D, Narula Institute of Technology.

Total number of participants: 236

The MHRD IIC section of Narula Institute of Technology organised a seminar on the National Innovation and Start-up Policy (NISP) on the 13<sup>th</sup> Dec 2019.

The speaker of the session were Prof. Dr. S. C. Konar, Dean R&D, Narula Institute of Technology. The session began with the welcome note from Prof. B.K.Medya. The session was attended by 263 participants including faculty and students

Prof. S.C. Konar illustrated about the NISP in detail about the

- Strategies and Governance
- · Startups enabling Institutional Infrastructure
- Nurturing Innovation and Startups
- · Product Ownership Rights for Technologies developed at Institute
- · Organisational capacity, Human Resources at Institute
- Creating Innovation Pipeline and Pathways for Entrepreneurs at Institute Level
- Norms for Faculty Startups
- Pedagogy and Learning Interventions for Entrepreneurship Development
- Collaboration, Co-creation, Business Relationships and Knowledge Exchange
- Entrepreneurial Impact Assessment

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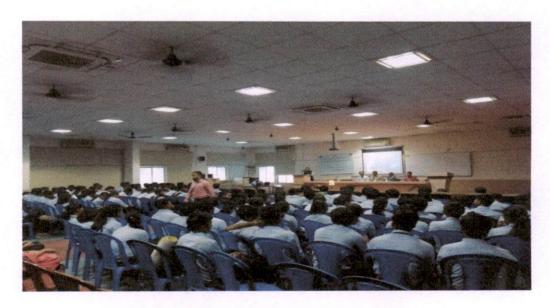
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**Outcome:** The session was an eye opening session for the students and faculty . they all benefitted by learning the NISP and the support that will be extended for startups.



Prof. S.C.Konar giving the session, 13/12/2019



Audience attending the session, 13/12/2019





# Internal Hackathon-SIH 2020

### 28th Jan 2020

# Objective of the Event:

- 1. To motivate students to solve the real life problem statements given by Industry , different Ministries in the SIH portal
- 2. To motivate students to think innovatively to solve problems

Venue: Seminar Hall

**Chief Guest:** Padma Shri Prof. (Dr.) Chaitanyamoy Ganguly, Indian nuclear scientist and former Head of the Nuclear Fuel Cycle and Materials Section of the International Atomic Energy Agency(IAEA),

Judges: Dr. Prabir Kumar Aditya, CEO of Sprinriver Technology Pvt Ltd,

Prof. (Dr.) P.K.Banerjee, Retd. Professor Jadavpur University

Prof. (Dr.) Salil Kumar Sanyal, Retd. Professor Jadavpur University

Total number of participants: 150

# Description of the event:

The Internal Hackathon for Smart India Hackathon 2020 was organized by the MHRD -IIC section of Naruula Institute of Technology and was held on 28th Jan 2020 at Narula Institute of Technology. SPOC was Dr. Sandhya Pattanayak.

The inaugural session was graced by Padma Shri Prof.(Dr.) Chaitanyamoy Ganguly, Indian nuclear scientist and former Head of the Nuclear Fuel Cycle and Materials Section of the International Atomic Energy Agency(IAEA), Dr. Prabir Kumar Aditya, CEO of Sprinriver Technology Pvt Ltd, Prof. (Dr.) P.K.Banerjee, and Prof. (Dr.) Salil Kumar Sanyal.

Prof.(Dr.)Maitreyi Ray Kanjilal, honourable Principal, Narula Institute of Technology and gave the welcome address, followed by an enlightening speech by Prof.(Dr.)Chaitanyamoy Ganguly, followed by Dr.Prabir Kumar Aditya, CEO, Spinanriver and Prof.(Dr.) P.K.Banerjee. The vote of thanks was given by Prof.(Dr.)S.C.Konar,Dean R&D,Narula Institute of Technology.

A total of 22 teams presented and displayed the solution to the problem statements of SIH 2020 in both the hardware and software category.



**Outcome of the event :** Students came up with brilliant solution to different problems. Total 22 teams participated in the event. Out of these teams, two teams one in software and other in hardware category are selected for the final round of Hackathon.

- Team "DataPirate" lead by Ruparna Mukherijee student of IT Dept has been selected in software category for the grand finale of SIH 2020.
- Team "Irrigatasur" lead by Swagata Dasgupta, student of ECE Dept has been selected in the hardware category for the grand finale of SIH 2020.

Out of which team Irrigatasur became The joint winner in SIH 2020 in hardware section for Problem statement SG67



A group photo of all participants, Chief Guest, judges and Faculty involved in SIH 2020, Dated: 28/01/2020







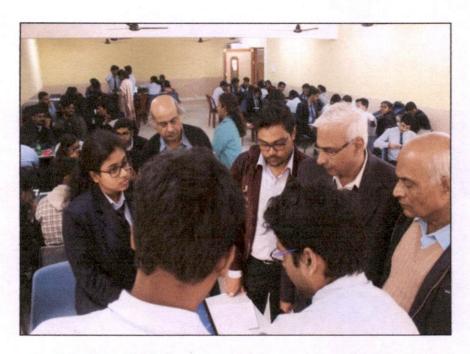
Speech by Principal, Dated: 28/01/2020



Speech by Judges, Prof. P.K.Banerjee, Dated: 28/01/2020







Students presenting in Internal Hackathon, Dated: 28/01/2020



Students presenting in Internal Hackathon, Dated: 28/01/2020



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# Webinar On Business Continuity and Operational Resilience On 6th April,2020 from 9.30 AM

# Objective of the event:

1. Enhance the knowledge of students on the Business management

2. To create awareness on the risk management strategies in business

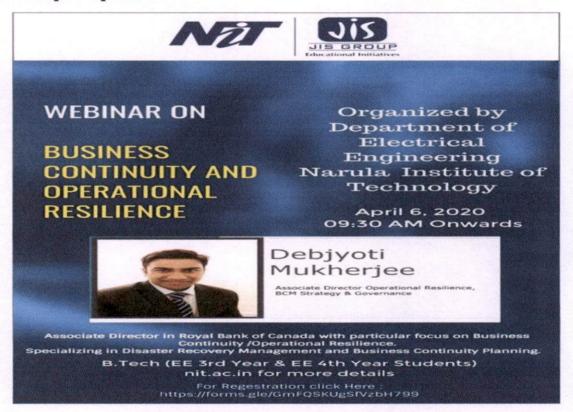
Mode of event: Online through Google meet

Speaker: Mr. Debjyoti Mukherjee

Designation: Associate Director, Operational Resilience, BCM

strategy and governance

No of participants: 90



Mr. Debjyoti Mukherjee, 06/04/2020

# Description of the event:

The Electrical Engineering department of Narula Institute of Technology organized a webinar on Business Continuity and Risk Management on 6th April,2020 from 9.30 AM.





This program was organized by Mr. Sumanta Kundu, EE Department and Dr. Nabamita Banerjee Roy, EE Department. The Eminent speaker Mr. Debjyoti Mukherjee technological experience shared his and knowledge on Business Continuity and Risk Management. He also discussed some relevant case studies like Dominos, Nestle etc to give a detailed overview. The participants were 3rd year B.Tech students of EE Department along with Departmental Faculty members and TAs. The students learned a lot of practical knowledge on different business aspects and risk management strategies. The Webinar session continued for 40 with different mins of business strategy and successfully ended with an interesting question answer session. Total participants were 90.



Mr. Debjyoti Mukherjee taking the session, Dated:06/04/2020



Mr. Debjyoti Mukherjee taking the session, Dated: 06/04/2020







Mr. Debjyoti Mukherjee taking the session, Dated: 06/04/2020

**Outcome of the event:** Students learned about the various strategies of business and how to do risk analysis.

