



Industry Visits

to

Electronics Regional Test Laboratory (East), Kolkata

located at ERTL (E), Block-DN, Sector V, Salt Lake Kolkata, India, PIN 700091.

on 8th November 2019

Time : 02:30 PM to 5:30 PM

Transportation : College Bus

No. of Student participants : Total 19 students participated

Faculty & Staff Accompanied:

Ms. Rekha Majumder

Mr. Abhijit Ghosh

The students and faculty of ECE department Narula Institute of Technology visited the Electronics Regional Test Laboratory (East), Kolkata on the 8th Nov 2019.

Resource person: Mr. Chittaranjan Das, Scientist F STQC IT Services, Ministry of Electronics & Information Technology ERTL(E), Block-DN, Sector V, Salt Lake, Kolkata, India, PIN 700091

Industry Profile

This organization is an undertaking of Standardisation Testing and Quality Certification (STQC) directorate which is an attached office of the Department of Electronics and Information Technology (Deity), Government of India, provides quality assurance services in the area of Electronics and IT through countrywide network of laboratories and centres. The tasks carried out by this organisation are namely testing, calibration, certification and training. Testing facilities focus on electronic and software testing. Electronic testing include electronics and electrical Testing, component Testing, equipment system testing, environmental testing, safety testing, EMI/EMC testing, explosive atmosphere compatibility testing, opto-electronics testing, solar PV testing, reliability testing and analysis. Software testing includes Software testing and assessment, software process assessment, IT Security Testing and Assessment. It has laboratories at Kolkata, Mumbai, Pune, Goa, Delhi, Jaipur, etc.

Specialized Services:

Accredited on-site mobile Calibration services. A dedicated mobile van is equipped with calibration equipments / standards serve the industry.

EAC (Explosive Atmosphere Compatibility) testing facility for explosives used in mining

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Testing of solar panels, solar cells and photo luminaries
Testing and calibration of opto-electronics equipments and components
Safety testing of medical electronic instruments/equipments, domestic and safety critical components EMI / EMC Testing

Purpose of industrial visit:

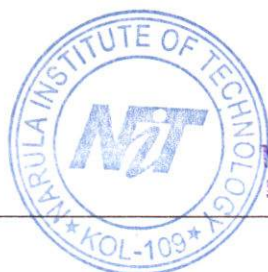
- To interact the student the students with actual industry personals.
- To make them aware of the industrial procedures required to enter in any company.
- To experience the working environment industry and visualise the all the important departments in the industry.
- To understand about the testing and calibration of different equipment.



Students and faculty at center of Electronics Regional Test Laboratory (East), Kolkata, 8th November 2019



Mr. Chittaranjan Das Scientist F STQC IT Services addressing students, 8th November 2019



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Webinar
On
"PCB Design and PLC programming "
29th March 2020

Objective of the event:

To make students to learn fundamentals of PCB and PLC programming.

Mode of event: Online through Zoom

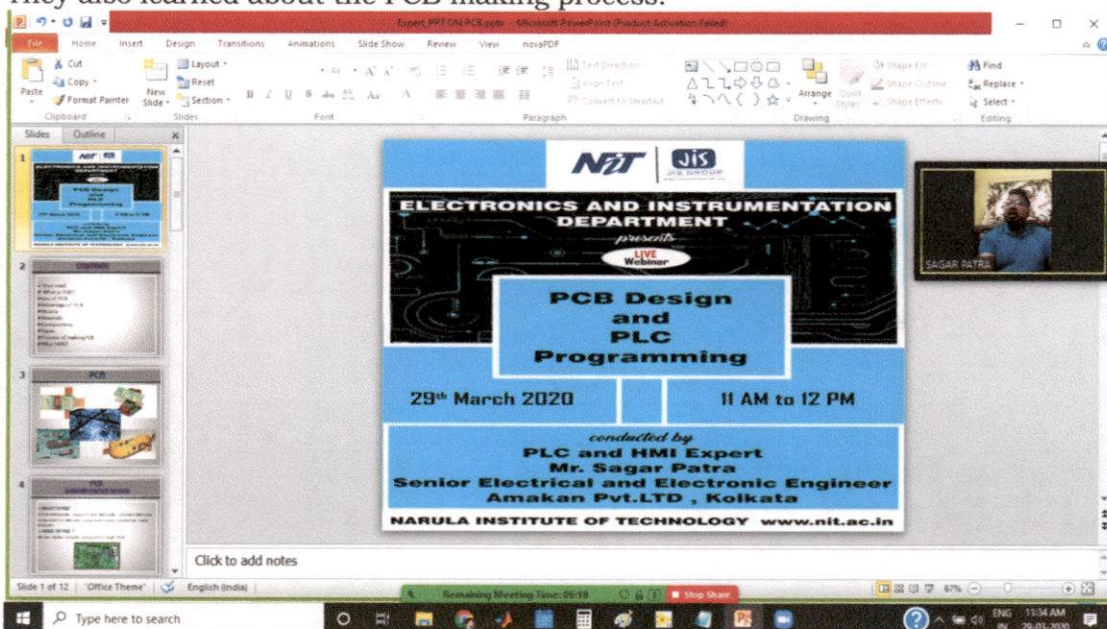
Speaker: Mr. Sagar Patra, Senior Electrical and Electronic Engineer, Amakan Pvt. LTD, Kolkata

Description of the event:

The EIE Department of Narula Institute of Technology have organized a Webinar "**PCB Design and PLC programming**" on **29th March 2020** from 11 AM to 12:40 PM for the students.

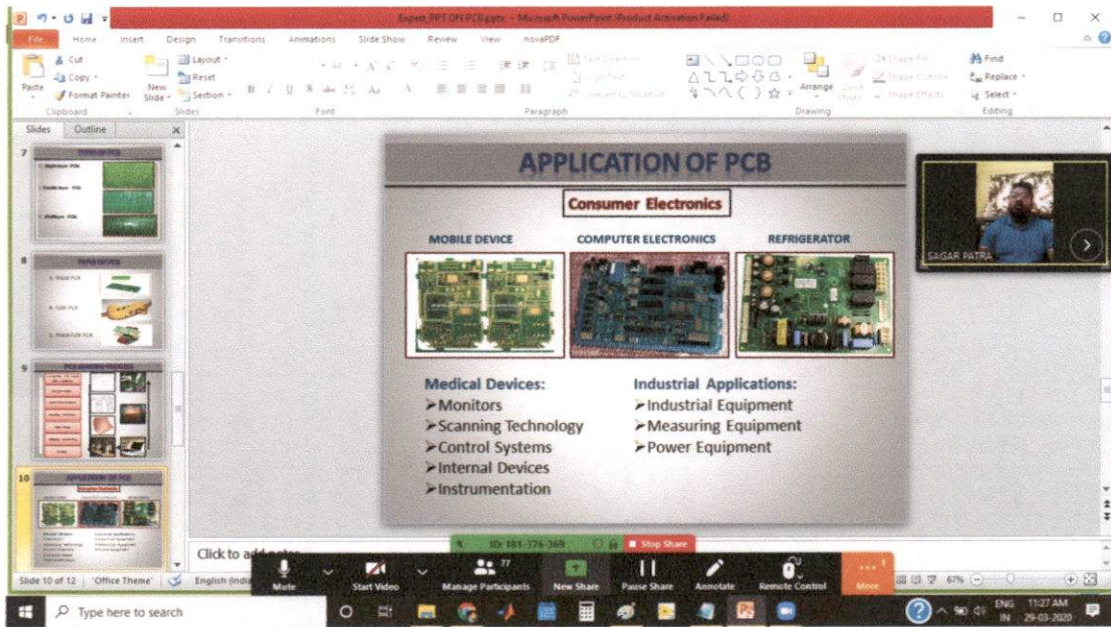
The Webinar has been **conducted by Mr. Sagar Patra, Senior Electrical and Electronic Engineer, Amakan Pvt. LTD, Kolkata. and attended by 88 students along with the faculty members.**

Outcome: Students learned about the different types of PCB and its application. They also learned about the PCB making process.

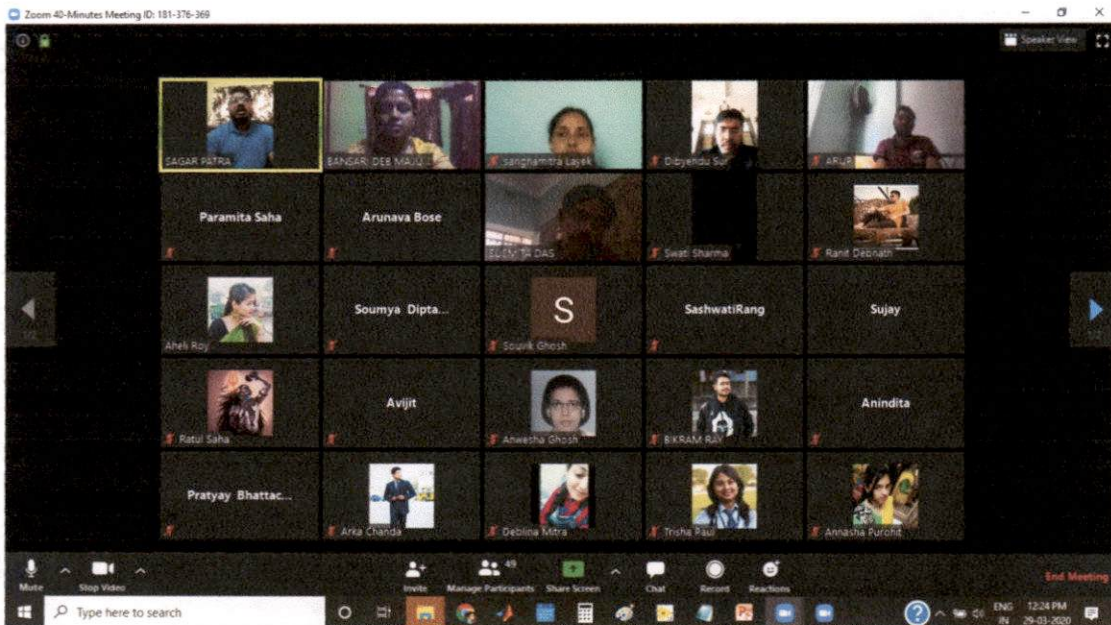


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Mr. Sagar Patra presenting , 29/03/2020



Participants attending the session, 29/03/2020

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**Webinar
on
"Advances in IT Industries"
On
4th April 2020**

Objective of the event:

1. To develop the skills and right attitude of students
2. To motivate students for developing innovative projects

Mode of the Event: Online

Speaker:

Mr. Sayan Swar, Business Intelligence Developer, Tata Consultancy Services, Uruguay

Ms. Soumita Chatterjee, working on Cloud-based CRM Technology, Accenture, Kolkata, India

Total number of participants: 88

Description of the event:

Webinar on "Advances in IT Industries" on 4th April 2020 organised by EIE Department of Electronics and Instrumentation Department(EIE) of Narula Institute of Technology has conducted two LIVE Webinars by IT professionals of reputed Industries on 4th April 2020 (Saturday)from 4:30 to 6:30 pm on Zoom platform.

The IT professionals were Mr. Sayan Swar, Business Intelligence Developer, Tata Consultancy Services, Uruguay & Ms. Soumita Chatterjee, working on Cloud-based CRM Technology, Accenture, Kolkata, India. They both are also the alumni members of EIE department, NiT.

Sayan has enlightened with topics like the present scenario of the coders/developers in IT Industry, the Importance of developing innovative projects in the B.Tech period and developing the skills and right attitude is the only key for a bright future. He also discussed the Chennai culture and the International culture in IT Industries.

Soumita Chatterjee has answered many queries related to the joining procedures in Accenture. Fourth-year students have asked about the importance of online training programs and what should be the preferred location of choice. The students were very excited to interact with both the Alumni members of the college. Total 88 students participated.

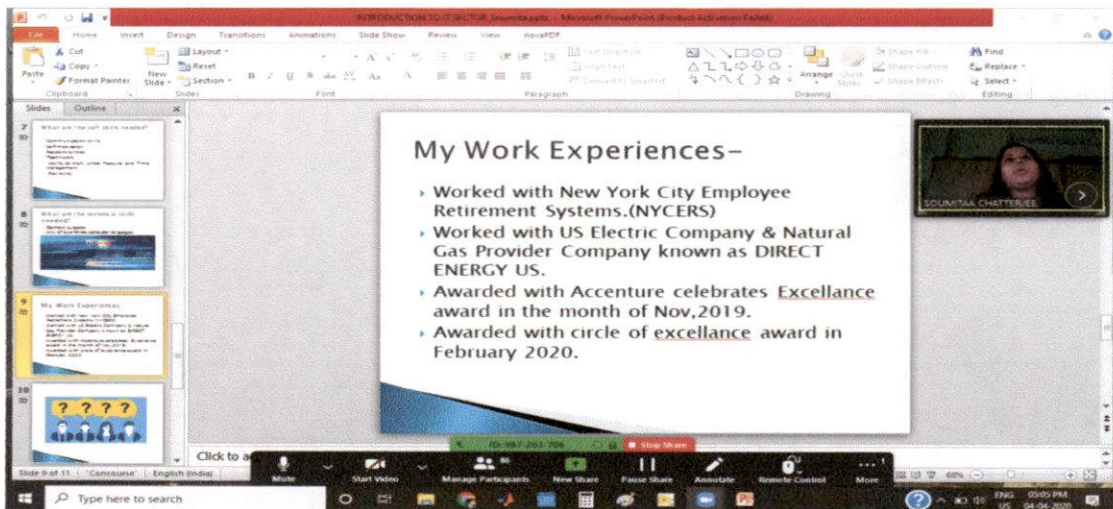
Some of the glimpses of the webinar are:



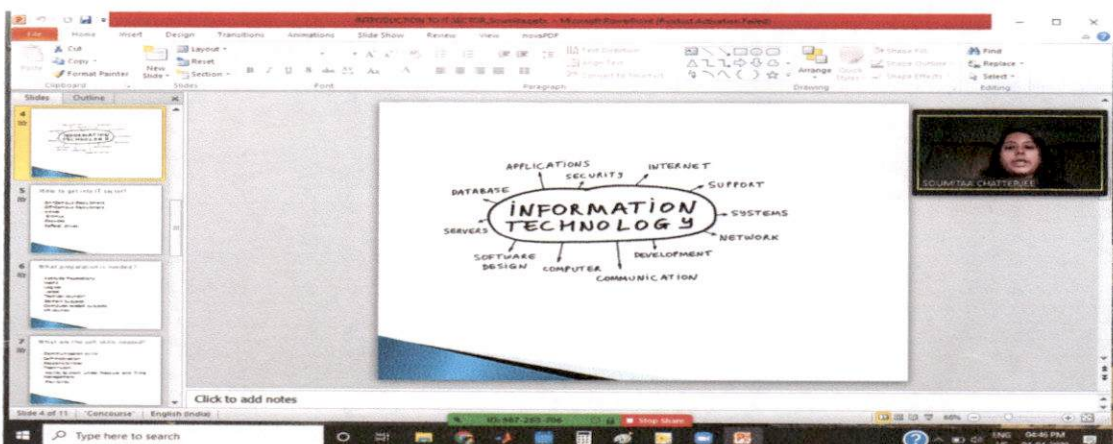
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Mr. Sayan Swar, Business Intelligence Developer, Tata Consultancy Services presenting, 04/04/2020



Ms. Soumita Chatterjee, Accenture, Kolkata, India presenting, 04/04/2020



Ms. Soumita Chatterjee, Accenture, Kolkata, India presenting, 04/04/2020



"One day workshop
on
"Industrial Automation using PLC"
On
24th June 2020

Objective of the event: To make students understand PLC and how to use it for industrial purposes.

Mode of event: online

Speaker: Mr. Joydeep Nath, Senior faculty of PLC & SCADA, MicroPro

Total number of participants: 74

Description of the event:

The Department of Electrical Engineering of Narula Institute of Technology has organised a "One day workshop on "Industrial Automation using PLC" on 24th June 2020, from 4:00 PM to 6:00 PM for 2nd and 3rd year B.Tech of EE under Engineering College Student Chapter of Institute of Engineers(India).

The workshop was enlightened by Mr. Joydeep Nath, who is a senior faculty of PLC & SCADA. He has more than 20 years of teaching experience. Currently he is working in MicroPro.

The workshop was inaugurated with a welcome address by Dr. Nabamita Banerjee Roy, Electrical Engineering, NiT and coordinated by Ms. Pratyusha Biswas Deb, Assistant Professor, EE Department.

During the session Mr. Joydeep Nath explained PLC and how to use it for industrial purposes. He gave thorough knowledge on industrial applications of PLC to the students and also explained different communication systems of PLC. His session and explanation was really awesome which cultivated great interest in the minds of the students and was appreciated by them. His presentation was an engrossing experience for all of our students followed by an excellent doubt clearing session.

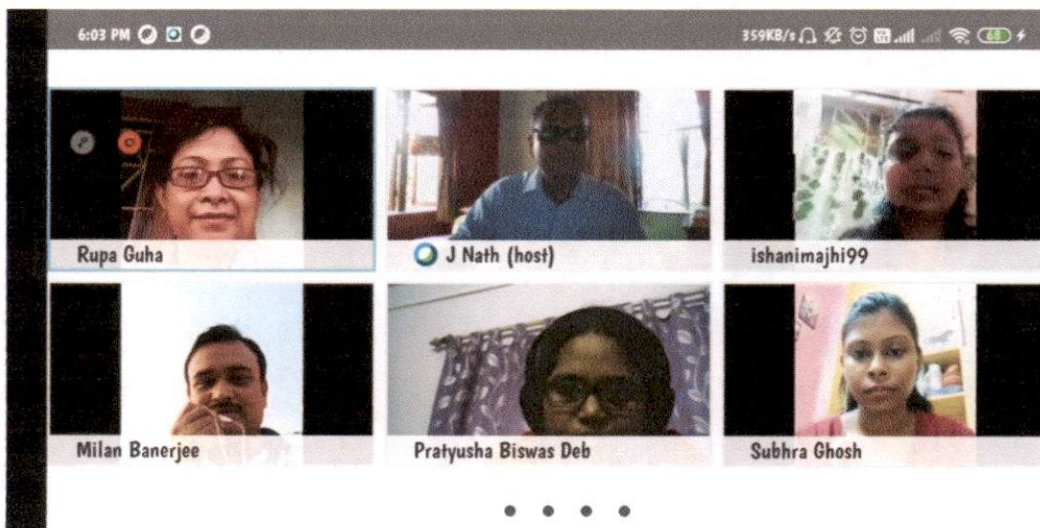
The total participants of this Webinar were 74. It was a great learning experience for all the participants. The Department of Electrical Engineering along with the students are looking forward to such workshops in future to improve their skills and to develop the practical knowledge in this field.

Outcome of the Event: PLC and its industrial application to IoT was explained.

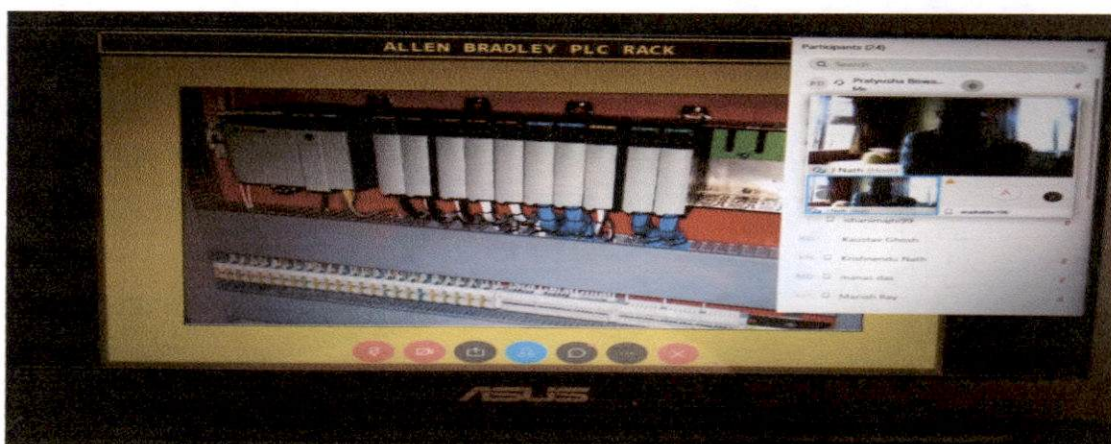
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Speaker Mr. Joydeep Nath, MicroPro presenting the session, 24/06/2020



Participants attending the session, 24/06/2020



Speaker Mr. Joydeep Nath, MicroPro presenting the session, 24/06/2020

Webinar

On

Application of AI in Telecom

on

10th April, 2020

from

11 AM-2 PM

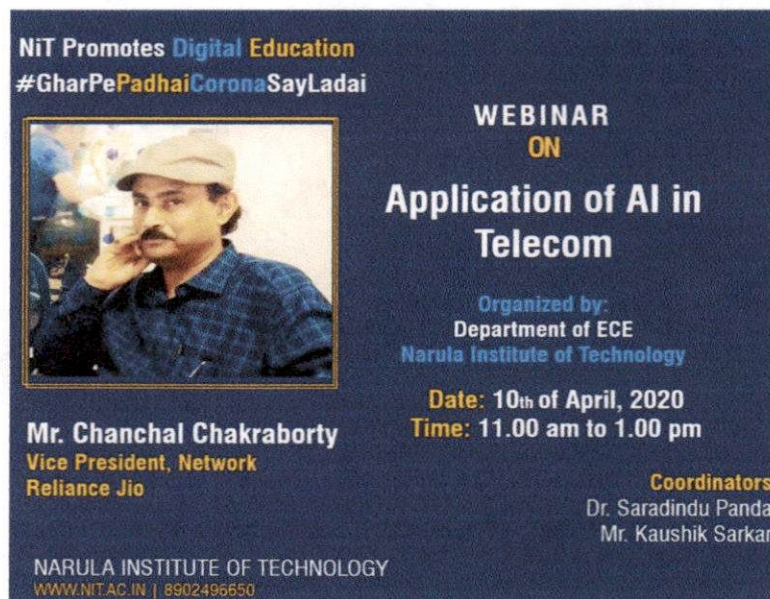
Objective of the event:

1. To enhance the knowledge of students on advances in mobile communication and role of AI

Mode of event: online

Speaker: Mr. Chanchal Chakraborty, Vice President, Network, Reliance Jio.

Total number of participants: 100



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**WEBINAR
ON
Application of AI in
Telecom**

Organized by:
Department of ECE
Narula Institute of Technology

Date: 10th of April, 2020
Time: 11.00 am to 1.00 pm

Mr. Chanchal Chakraborty
Vice President, Network
Reliance Jio

Coordinators
Dr. Saradindu Panda
Mr. Kaushik Sarkar

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Mr. Chanchal Chakraborty, Vice President, Network, Reliance Jio,
10/04/2020

Description of the Event

ECE Department of Narula Institute of Technology has organised a webinar on AI in Telecom on 10th April, 2020 from 11 AM-2 PM and it was coordinated by Dr. Saradindu Panda, HOD, ECE department and Mr. Kaushik Sarkar, Assistant Prof. ECE Department.



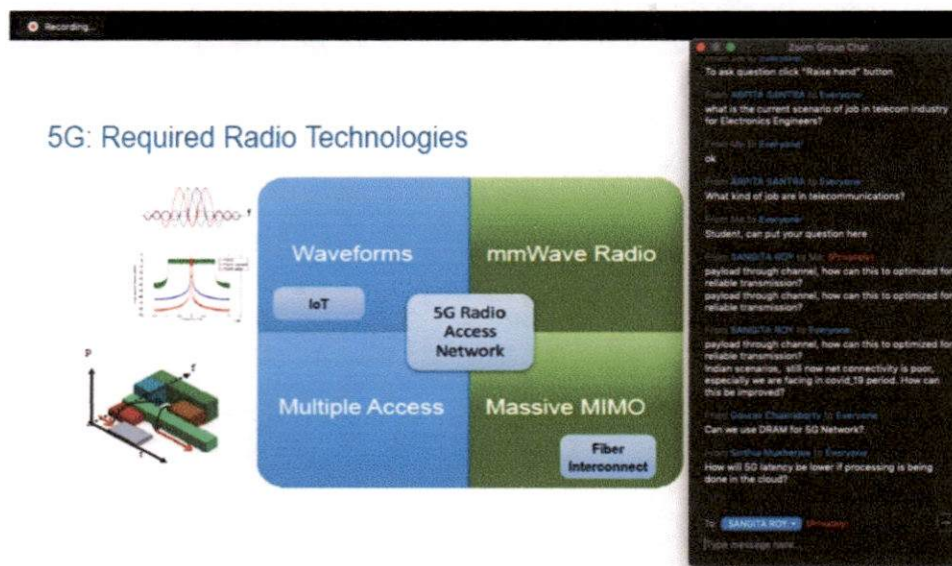
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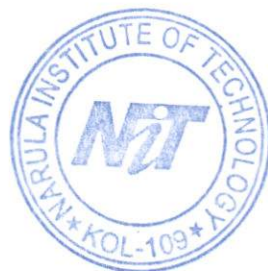
The speaker for the session was **Mr. Chanchal Chakraborty, Vice President, Network, Reliance Jio**. Mr. Chakraborty illustrated the application of AI in telecom in a very informative and interactive way. He first started with the basics of 3G network and explained the architecture and technical specifications to the audience. Gradually he entered into the 4G domain and touched the 5G concept very lucidly. The key point of his talk was to superimpose the 4G over 3G and 5G over 4G.

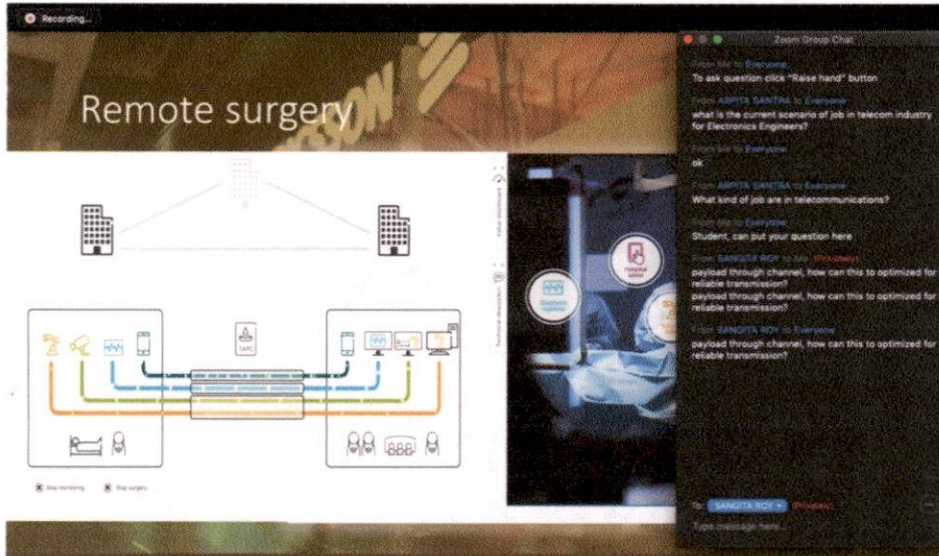
In the question/answer session, he entertained almost all the doubts to the audience. Specially, he illustrated the current job scenario in the telecom sector and advised the student to focus more on AI and machine learning along with the core engineering knowledge.

Please find herewith the attached pictures.

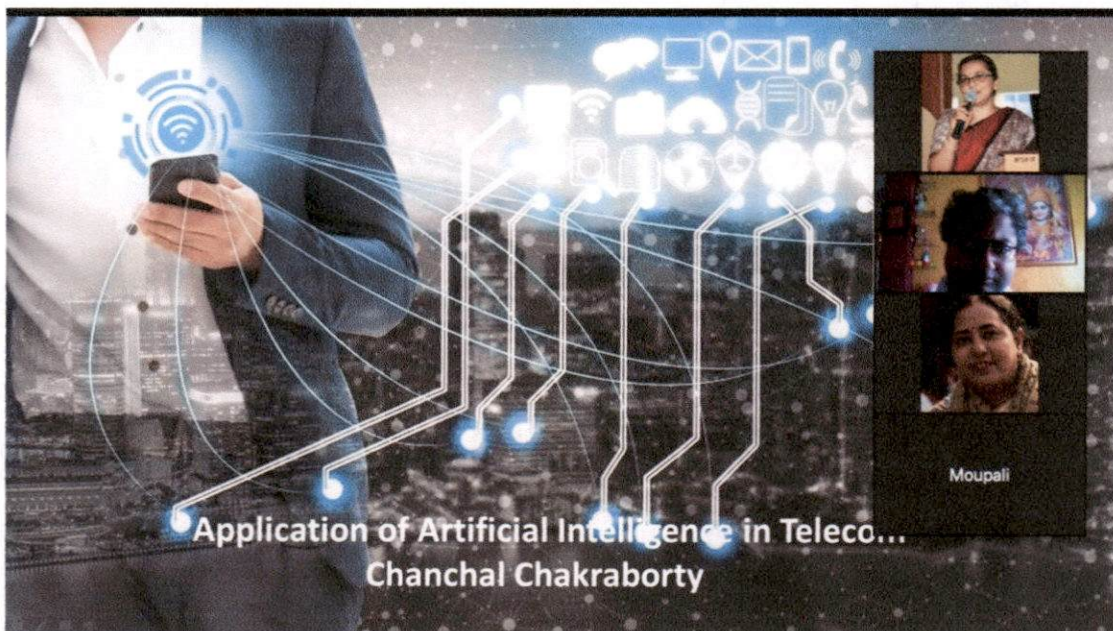


Session ongoing , 10/04/2020





Session ongoing , 10/04/2020



Session ongoing, 10/04/2020


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Webinar Session on

"How to make oneself productive: A key to unlock your skills in this Lockdown"

on 17th April, 2020 at 3 PM

Objective of the event:

To motivate faculty and student to enhance the skills during the pandemic

Mode of event: Online through Zoom

Speaker: Dr. Manpreet Singh Manna,

Designation: Former Director, AICTE, Ministry of MHRD. Govt. of India.

Total number of participants: 100

Description of the event: Narula Institute of Technology has conducted a Webinar Session on **"How to make oneself productive: A key to unlock your skills in this Lockdown"** on 17th April, 2020 at 3 PM.

The coordinator of this session was Ms. Nidhi Singh, Registrar, Narula Institute of Technology

The Guest Speaker for the Session was **Dr. Manpreet Singh Manna, Former Director, AICTE, Ministry of MHRD. Govt. of India.**

More than 100 students along with faculty members actively participated in the session through Zoom platform. The entire session was based on self-motivation and self productivity, its importance in the current situation of this global pandemic.

Dr. Manna has emphasized on the importance of physical exercise, giving time for hobbies such as gardening, music, painting etc, enrolling for online courses and individual desire to set new goals to keep oneself focused, productive and positive.

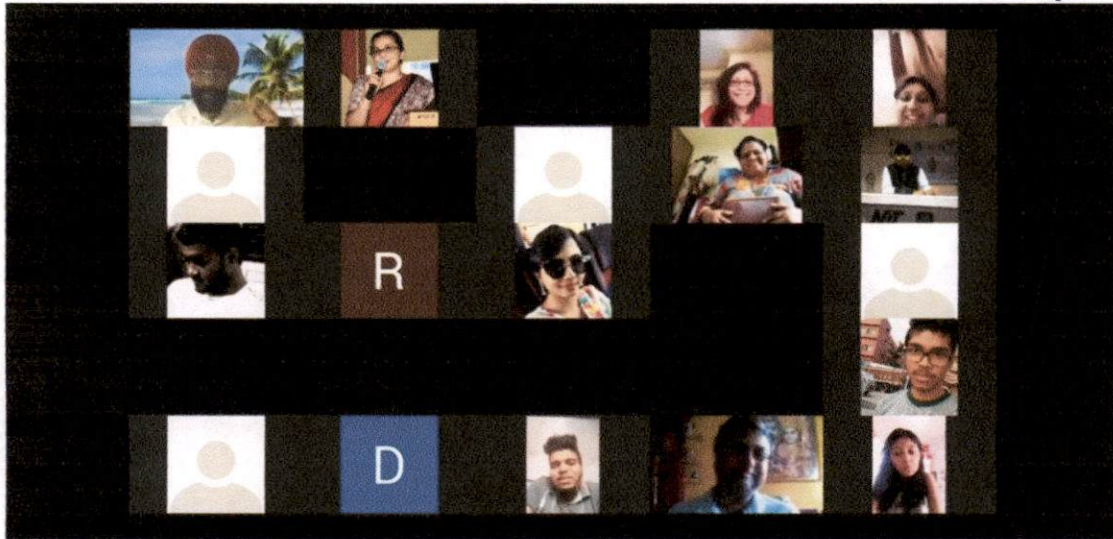
The question answer session was also very interactive as the participants asked various questions about motivation, spirituality, confusion during lockdown period and about attaining peace and happiness. The webinar was very motivating and enlightening for all the participants.

Outcome of the event:

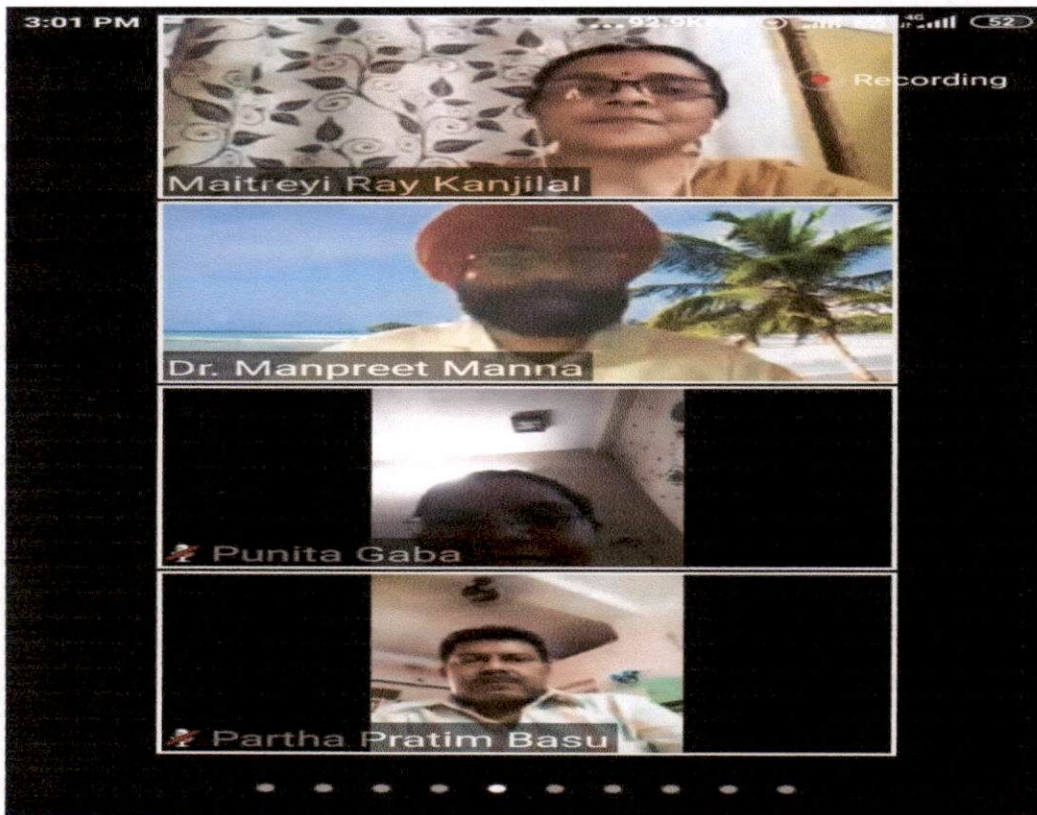
The students and faculty gained knowledge on skill development during pandemic and motivate self to develop self.

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Dr. Manpreet Singh Manna presenting, Dated:17.04.2020



Dr. Manpreet Singh Manna presenting, Dated:17.04.2020



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**A Webinar
on
'Health Assessment of Bridges'
12th May,2020
Venue: Online mode (Zoom) . Time: 4pm onwards.**

Objective of the event:

1. To understand the concept of different type of bridge.
2. To make students understand about the methods of inspecting the bridges.

Mode of event: Online through Zoom.

Speaker: Shri Samiran Sen

Designation: Chairman of the recently formed Advisory Committee on Infrastructure constituted by UD & MA Department

Total number of participants: 50

Description of the event:

The Department of Civil Engineering of Narula institute of technology has organized a webinar on 'Health Assessment of Bridges' on 12th May,2020 from 4PM onwards.

The Guest Speaker of the webinar was Shri Samiran Sen. At present, he is the Chairman of the recently formed Advisory Committee on Infrastructure constituted by UD & MA Department for advising on all infrastructure project proposals and road safety aspects particularly examining the techno-economic viability and prioritization. He is a fellow of Institution of Engineers (India) and member of prestigious professional bodies like Indian Roads Congress (IRC), Indian Geotechnical Society, International Society for Soil Mechanics and Foundation Engineer and International Geosynthetics Society of India. He is also the past Vice-President of IRC.

In this session Mr. Sen enlightened the concepts of different types of brides present in Kolkata and discussed in detail about the present condition of the different bridges of Kolkata. He also discussed on how the health of bridges are checked or inspected by using various non destructive and partial destructive testing. He also illustrated the use of a few NDT in his session.

Around 50 participants from 2nd, 3rd and final year students participated along with faculty members of CE Department and enquired about various queries related to this topic.

Outcome of the session:

Students and faculty learned about the techniques for testing the health of bridges.


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Bridge Health Assessment R3 - Part 1 & 2.pdf - Adobe Acrobat Pro
File Edit View Window Help

INVESTIGATIONS FOR HEALTH ASSESSMENT

NDT Types

Test Name	Parameter To Be Tested
GROUND PENETRATING RADAR (GPR)	<ul style="list-style-type: none"> • Bridge deck consistency • Deep void and cracks identifications inside the concrete structure • Rebar location and condition monitoring • Identification of hidden concrete joint • Utility identification inside the concrete


Samiran Sen's screen



Shri Samiran Sen presenting in the session, Dated: 12/05/2020

TYPICAL DISTRESSES


Bearings



Bearings in Good Condition

Recording

Samiran Sen's screen

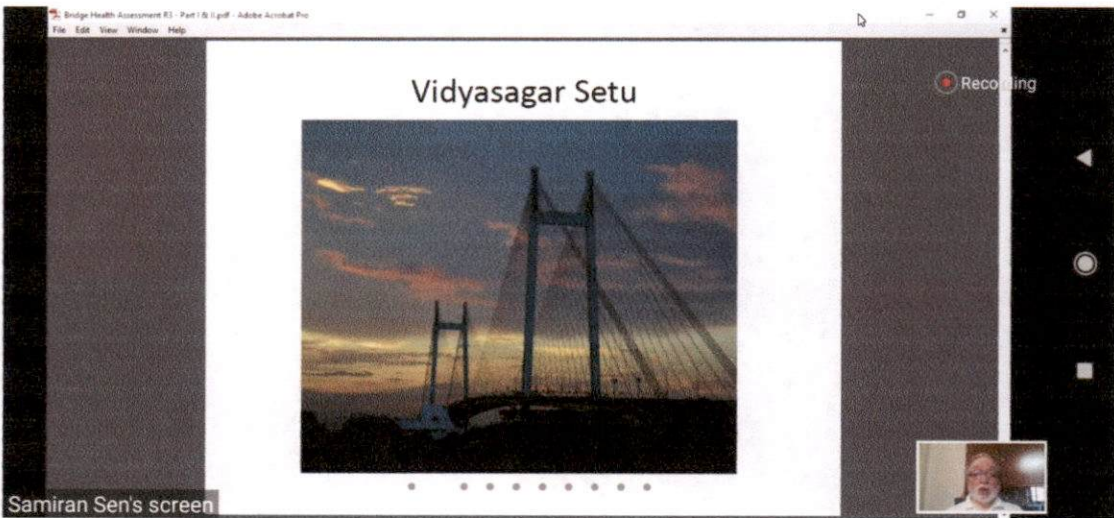


Shri Samiran Sen presenting in the session, Dated: 12/05/2020





Shri Samiran Sen presenting in the session, Dated: 12/05/2020



Shri Samiran Sen presenting in the session, Dated: 12/05/2020

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**Webinar on
The Smarter Engineer - On How to do Smarter Programming
Organized by: Department of ECE Narula Institute of Technology
8th April, 2020
Venue: Virtual Platform (Zoom)**

Objective of the event:

To discuss with students the different approaches to programming and best practices followed in Enterprise for debugging

Mode of event : Online

Speaker: Mr. Samarjit Roy

Designation: Advisory IT Architect IBM India Pvt. Ltd.

Total number of participants: 51



Speaker: Mr. Samarjit Roy, Advisory IT Architect, IBM India Pvt. Ltd, 08/04/2020

Description of the event:

Webinar on The Smarter Engineer - On How to do Smarter Programming was organised by ECE Dept, Narula Institute of Technology Through online mode.

One of the focus area in today's engineering world is to work smarter and NOT harder. To be a smarter engineer the students should be aware of many best practices followed in real life situations. This particular webinar is specially directed to the engineering students who will be entering professional fields in Electronics or computer science industry where programming is a primary job for many, be it any programming language - MATLAB, Python, Java or C#.

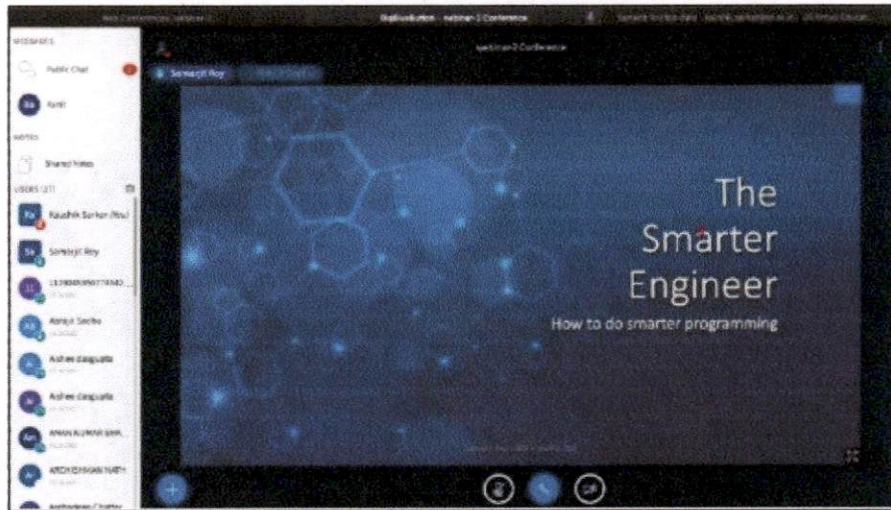
In the webinar, various approaches to programming and best practices followed in Enterprise for debugging has been discussed. The session was highly interactive.

Outcome: This session was important for students s they learned the programming skills

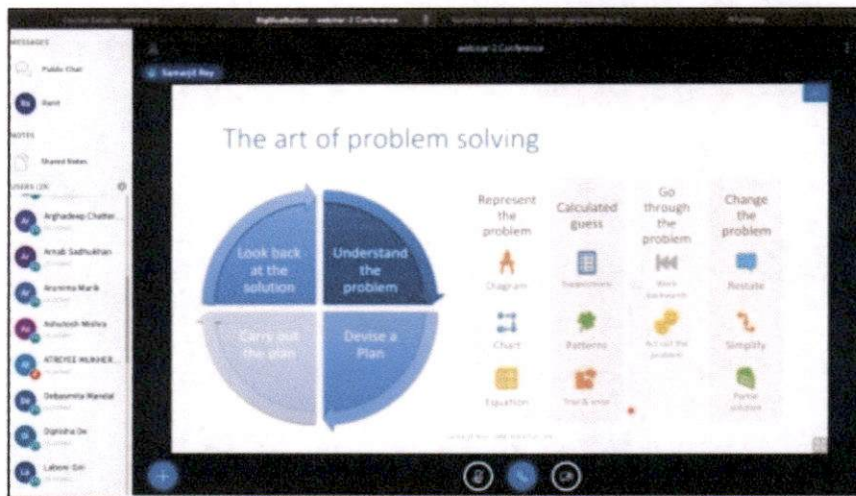


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Glimpse of the webinar:



Session ongoing, 08/04/2020



Session ongoing, 08/04/2020

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**Webinar on
SENSOR OF EVERYDAYS LIFE
19th Aug 2019**

Objective of the event: To make students aware to know more about sensor detectors, it's types, it's medical and defence uses, robotics uses, in battlefield, agricultural area etc

Speaker: Dr. Anindya Nag

Designation: Lecturer, Dongguan University of Technology, Dongguan, China)

Total number of participants: 36

Description of the Event:

Coordinated by: **Dr. J.K. Roy** (Chairman, IEEE CAS Kolkata Chapter & Professor of ECE Dept, Narula Institute of Technology, Agarpara, Kolkata)

Organized by: IEEE CASS Kolkata Section, IEEE CASS Student Branch of ECE Department, Narula Institute of Technology & IEEE CASS Student Branch of EE Department, Jadavpur University

Students of all the departments of Narula Institute of Technology and EE department of Jadavpur University participated in the seminar based on "sensor for every day's life" which was held at Jadavpur University, Kolkata (by IEEE CASS Student Chapter, Narula Institute Of Technology).). We had the speaker Dr. Anindya Nag (lecturer of Dongguan University of Technology, Dongguan, China). The seminar was conducted by Dr. J. K Roy.



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Dr. J.K.Roy, addressing the audience, 19/08/2019



Inauguration and invitation of speaker, 19/08/2019

From this event we come to know more about sensor detectors, it's types, it's medical and defence uses, robotics uses, in battlefield, agricultural area etc.Total 36 students participated.



Speaker deliver the lecture , 19/08/2019

The output of the sensor is generally an electrical signal. Sensors are

mainly used in the difference systems, medical services, or in the robotics field also. types of sensors: mainly temperatures sensors, infrared sensors, proximity sensors, pressure sensors, ultrasonic sensors etc were discussed.



Speaker Mr. Anindya being felicitated, 19/08/2019

Outcome of the Event: Students learned about sensors their application and how they are used in industry


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Seminar

on

Hazards of E.M Waves

ISF (IETE Student Forum)

8th November 2019

Objective of the event: In the event the effect of using the EM waves and its impact is discussed.

Venue – ECE Department , Narula Institute of Technology

Speaker: Prof. (Dr.)M Mitra, Professor, ECE Department, IEST Shibpur

Total number of participants:160

Number of Participants: 110 Students and 50 Faculty and Staff members
Total participants:160

Description of the event: IETE Student Forum , Electronics and Communication Department of Narula Institute of Technology organised a seminar on “Hazards of E.M Wave ” for ECE 1st year, 2nd year, 3rd year and 4th year in collaboration with IETE Kolkata Centre.



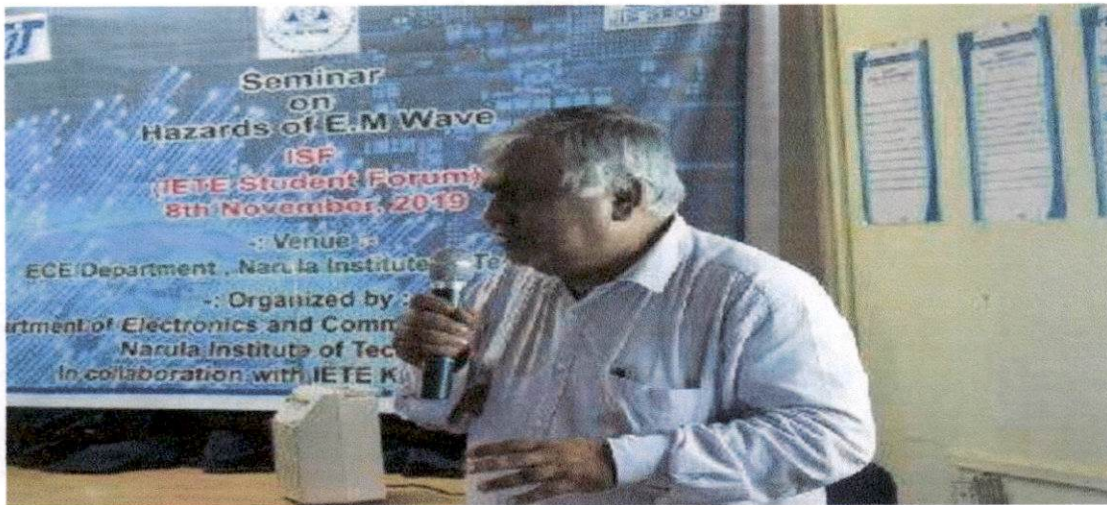
Dr. S Panda delivering plaque to Mr. P S Biswas, Chairman IETE Kolkata, 08/11/2019

This was followed by the speech of Prof. (Dr) S. Panda. Then, Mr. P S Biswas ,Chairman IETE Kolkata Centre gave an introduction about the IETE Kolkata Centre. Prof. (Dr.) S K Sanyal explained the importance of professional body and seminar in engineering education. Mrs. Sangita Roy, Executive member of IETE Kolkata centre, Nodal Head IETE, NiT



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introduced speaker of the day Prof. (Dr.) M Mitra to the students.



Prof. (Dr.) M Mitra explaining the audience , 08/11/2019

The keynote speaker of the day was Prof. (Dr.)M Mitra, ECE Department, IEST Shibpur who made us familiar with the details of different hazards of E. M Wave and its effects in our life.

The seminar came to an end with the vote of thanks and gratitude by Mrs. Sangita Roy of ECE Department to the respected speakers and all the students and staff present there. Thus, the seminar was successfully conducted for the day.

Outcome

The overall session was informative for the students and it is hoped that it will help them initiating the connecting threads in mind, co-relating the theoretical knowledge and applying them in practical life.



Prof. (Dr.) M Mitra explaining the audience, 08/11/2019





Audience listening to the session, 08/11/2019



Dr. S Panda facilitating Prof. M Mitra, 08/11/2019



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Seminar
on
“Security and Authentication through Imperceptible Communication”
22nd April 2020
Venue: Virtual Platform (Zoom)

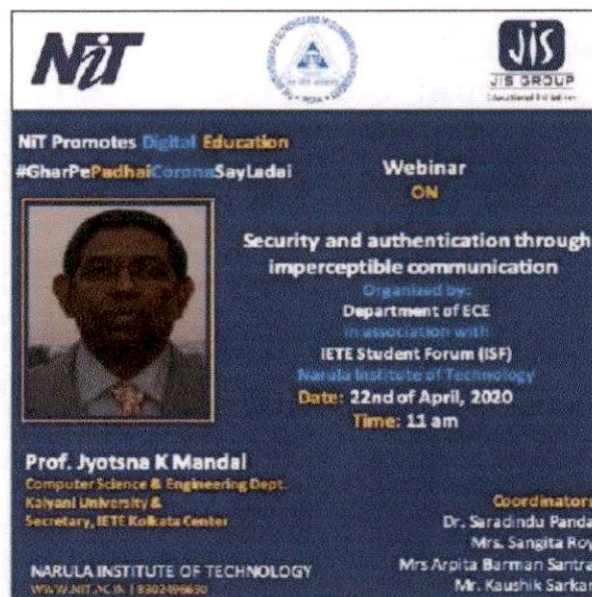
Objective of the event:

1. To enhance the knowledge of the student on security and authentication in the Communication system.

Speaker: Prof. (Dr.) J K Mandal,
Designation: Professor, Kalyani University
Secretary, IETE Kolkata Centre

Mode of Event : Online through Zoom

Total Number of participants:40



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Webinar
ON

Security and authentication through imperceptible communication

Organized by:
Department of ECE
In association with:
IETE Student Forum (ISF)
Narula Institute of Technology

Date: 22nd of April, 2020
Time: 11 am

Prof. Jyotsna K Mandal
Computer Science & Engineering Dept.
Kalyani University &
Secretary, IETE Kolkata Center

Coordinators
Dr. Saradindu Panda
Mrs. Sangita Roy
Mrs Arpita Barman Santra
Mr. Kaushik Sarkar

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Speaker of the session, Prof. (Dr.) J K Mandal, 22/04/2020

Description of the event:

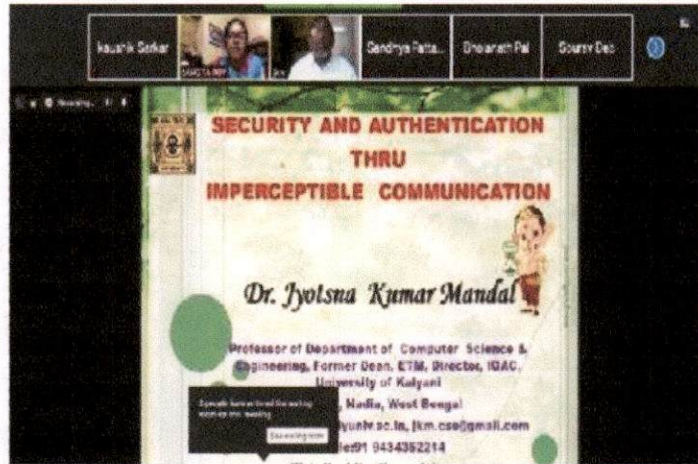
On the 22nd April 2020 , a Webinar Program on “Security and Authentication through Imperceptible Communication” were organised by , under the IETE student forum,ECE Department,NIT. Prof. J K Mandal was the speaker.

The lecture covered cryptography, security, authentication and its application in signal pro- cessing covering communication, image, text processing. Different state-of-the art algorithms were also explained with their applications in the related issues. The session was informative, lucid. Few glimpses of the webinar

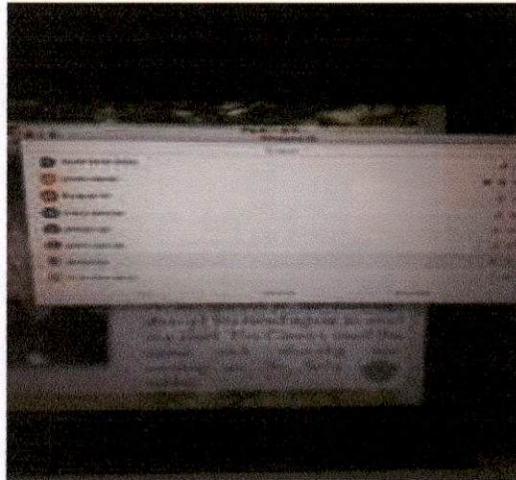


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are attached below:



Prof. (Dr.) J K Mandal presenting, 22/04/2020



Participants, 22/04/2020

Intuitive question answer session was followed after the lecture. Students and participants asked different hacking, security threats problems that we are facing. Prof. Mandal answered all the questions with justified examples. The interaction was very productive. By understanding, participants benefited effectively about the new techniques. The session Dr. Saradindu Panda, Head, ECE Department



expressed his gratitude to Prof. Mandal for presenting the webinar in the COVID-19 crisis period. Mrs. Sangita Roy and Mrs Arpita Santra gave the vote of thanks and Mrs. Kaushik Sarkar concluded the session.

Outcome: Students learned about cryptography, security, authentication and its application in signal processing covering communication, image, text processing

A handwritten signature in blue ink, appearing to be 'N. S.' with a flourish.

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**Webinar on
“Creating ChatBot using AWS”**

16th April 2020 at 6.00 pm

Venue: Virtual Platform (online through Zoom)

Objective:

To make student understand the basic essential concepts of cloud computing

Mode of the event: Online

Speaker: Mr. Sourav Majumdar, senior projectmanager at Wipro technologies

Total number of participants: 30



Mr. Sourav Majumdar, senior projectmanager at Wipro technologies, 16/04/2020

Description of the event:

Department of Electronics and Communication Engineering, Narula Institute of Technology, Kolkata has conducted a Webinar Session on “Creating ChatBot using AWS” on 16th April 2020 at 6.00 pm.

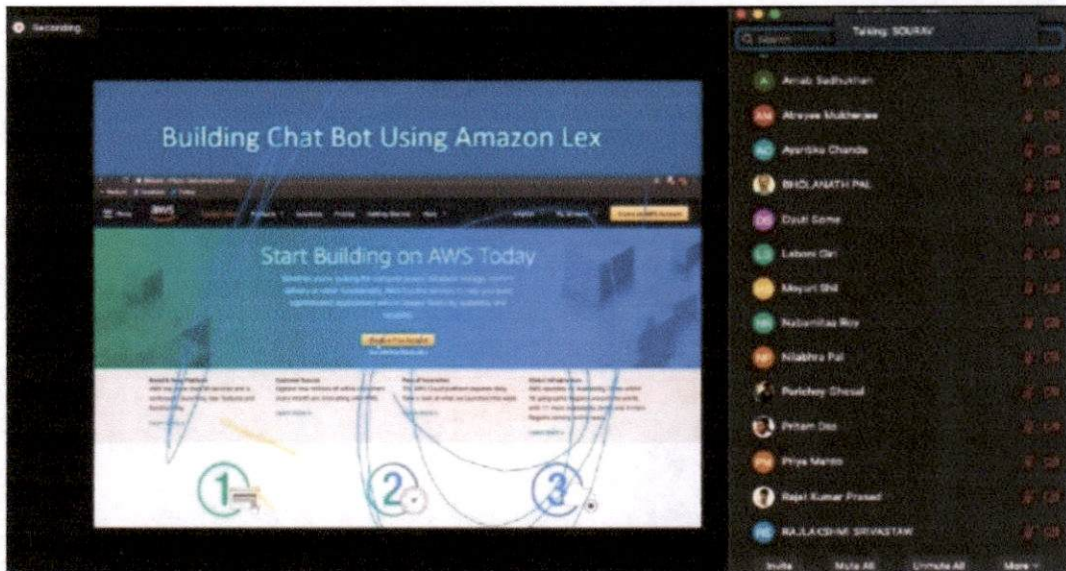
The webinar was presided over by Mr. Sourav Majumdar, who is B. Tech pass out from Narula Institute of Technology, Electronics and Communication Engg department. He is a senior person in the field of project and program management. He currently works as senior project manager at Wipro technologies. He has travelled globally and dealt with various international clients. He also has certification in project management, Amazon Web Services (AWS) cloud, Google cloud, Azure cloud. More than 30 students along with faculty members actively participated in the session through Zoom platform.

The webinar has started with the inaugural welcome speech of our alumni Mr. Sourav Majumdar. He gave an introductory speech on Building Chatbot using AWS and continued with the session of potential job opportunities in this field. During his speech he briefly explained the basic essential concepts of cloud computing and its various aspects. He provides the interactive brainstorming session for the students, faculty and staff to have a better understanding of the future of cloud computing in India. He has discussed the notion of cloud computing, its history, benefits, examples, essential characteristics, architecture, cloud models, Pros and Cons. He gave a detailed description on AWS cloud which is a very essential part of this lecture. Not only that, he provides hands-on building Chatbot using Amazen Lex.

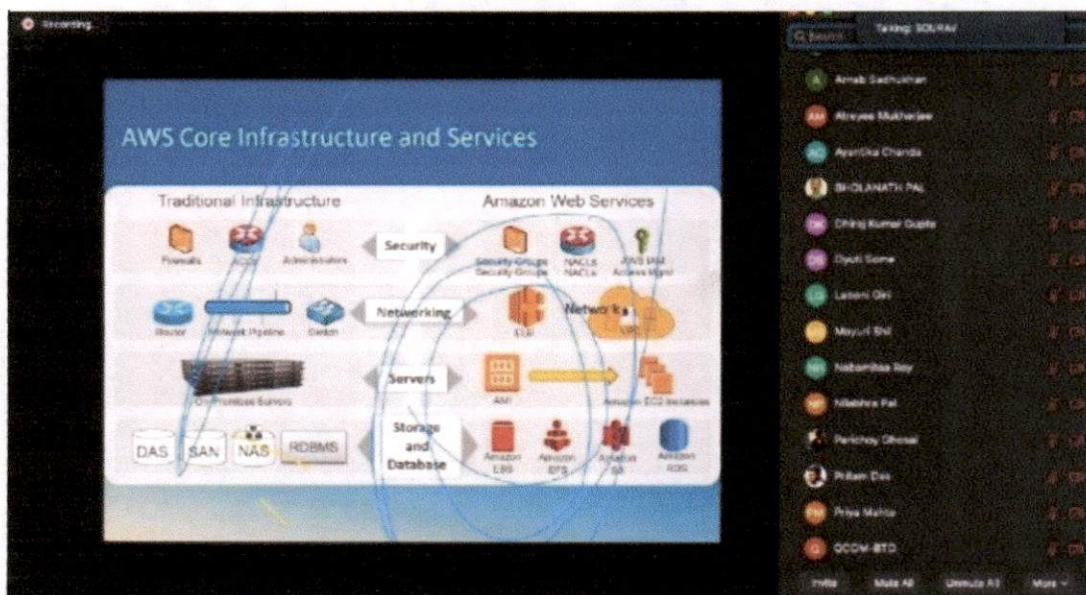
His speech was very inspiring and motivating, for students every perspective of his words were explained in a proper and beautiful manner that cultivates the minds of people with lots of knowledge and profound concepts.

Outcome: Students learned cloud computing, its history, benefits, examples, essential characteristics, architecture, cloud models, Pros and Cons

Principal



Session ongoing, 16/04/2020



Session ongoing, 16/04/2020


Principal
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Webinar on Data Analytics and its Industry Application

25th April 2020

Venue: Online Platform (Zoom)

Objective of the event:

1. To enhance the knowledge of students on Data Analytics
2. To make students aware of current Industry requirement and update their skills

Mode of event: Online through Zoom

Total number of participants: 30

Speaker: Mr. Arnab Roy, Consultant, Unisys India, Bangalore

NIT | **JIS GROUP**
Educational Institutes

NIT Promotes Digital Education
#GharPePadhaiCoronaSayLadai

Webinar
ON

Data Analytics and its Industry
application

Organized by:
Department of ECE
Narula Institute of Technology

Date: 25th of April, 2020
Time: 3 pm

Mr. Arnab Roy
Consultant
Unisys India

Coordinators
Dr. Saradindu Panda
Mr Puspak Pain
Mr. Kaushik Sarkar

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Mr. Arnab Roy, Consultant, Unisys India, Bangalore, 25/04/2020

Description of the event:

The Department of Electronics and Communication Engineering, Narula Institute of Technology has conducted a Webinar Session on "Data Analytics and its Industry Application" on 25th April 2020 at 3.00 PM.

The session was coordinated by Dr. Saradindu Panda (Head, ECE Department), Mr. Puspak Pain, Mr. Kaushik Sarkar, Asst. Professors, ECE Dept.

The session was facilitated by Mr. Arnab Roy, Consultant, Unisys India, Bangalore where more than 25 students along with faculty and staff members of ECE, IT CSE Dept. actively participated in the session through the Zoom platform hosted by Mr. Puspak Pain.

The online lecture covered data analytics; tools used in industry, usage of analytics for price optimization in various industries, for predicting financial outcomes, and also explained its recent perspectives in related

Principal

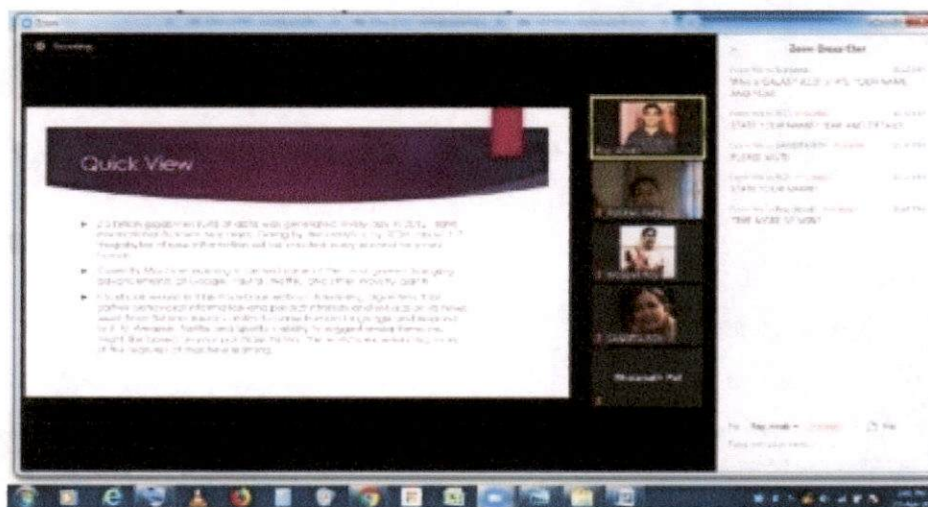
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and customer segmentation issues. The session was informative and lucid and enlightened the students and faculties alike. At the end of Mr. Roy's speech, the webinar was open for question-answer discussion, where the faculties and students were frequent at asking questions regarding the different points discussed in the webinar. Mr. Pranab Hazra, ECE Dept gives the vote of thanks to the speaker on behalf of the ECE Dept, NIT

Outcome: Students learned about the data analytics; tools used in industry, usage of analytics for price optimization in various industries, for predicting financial outcomes

Few glimpses of the webinar are enclosed herewith for your kind perusal:



Session ongoing, 25/04/2020



Session ongoing, 25/04/2020

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Webinar

on

“Applied Big Data Optimization for 5G”

30th April 2020, 4.00 PM

Venue: Virtual Platform (Zoom)

Objective of the event: Enhance knowledge of students on Big Data in 5G communication

Mode of event: Online through Zoom

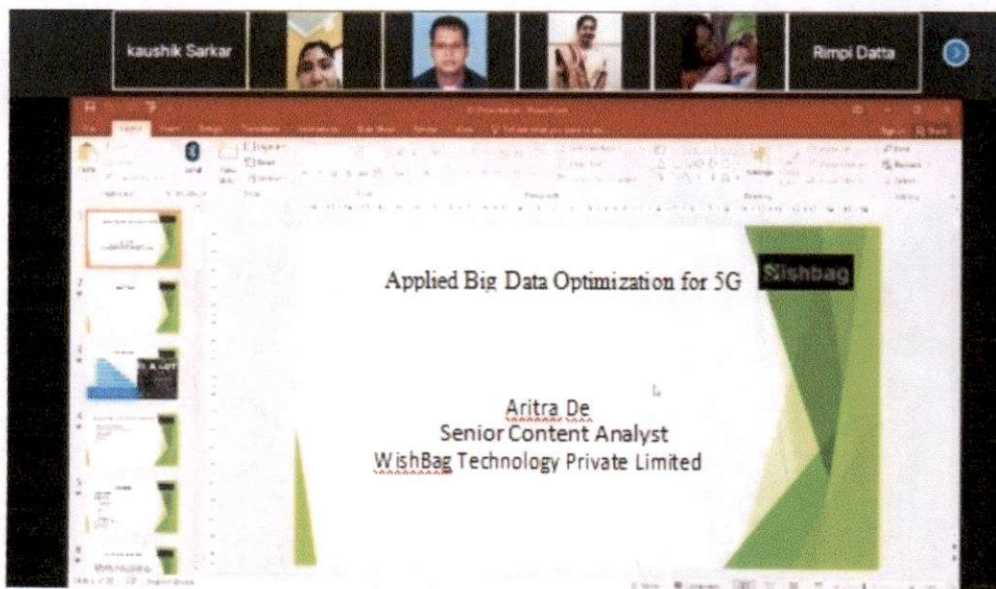
Speaker: Mr. Aritra De,

Designation: Senior Content Analyst, WishBag Technology Private Ltd.

Total number of participants: 40

Description of the event:

The Department of Electronics and Communication Engineering, Narula Institute of Technology has conducted a Webinar Session on “Applied Big Data Optimization for 5G” by Mr. Aritra De, Senior Content Analyst, WishBag Technology Private Limited on 30th April 2020 at 4.00 PM. The session was coordinated by Dr. Saradindu Panda (Head, ECE Department), Mrs. Swati Barui and Mr. Kaushik Sarkar, ECE Dept. The lecture covered the challenges in handling big data in telecom -5G wireless communication and its applications in different industries like banking, tourism, health care, national security etc. Big Data Implementation techniques are also illustrated. Around 40 participants attended the webinar. The session was informative for the students and faculties also.



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Mr. Aritra De presenting, 30/11/2020



Mr. Aritra De presenting, 30/11/2020

Outcome: Students understood about the challenges in handling big data in telecom -5G wireless communication and its applications in different industries like banking, tourism, health care, national security.


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Webinar
on
Power SCADA (Supervisory Control & Data Acquisition system)
28th April 2020
Venue: Virtual Platform (Zoom)

Objective of the event: To enhance the knowledge of student on Purpose of Power SCADA, Components of Power SCADA.

Mode of event: Online through Zoom

Speaker: Mr. Kunal Ray.

Designation: M/S Larsen & Tubro Ltd, Kolkata.,

Total number of participants: 60

Description of the event:

The Department of Electronics and Communication Engineering, Narula Institute of Technology has conducted a Webinar Session on "Power SCADA (Supervisory Control & Data Acquisition system)" on 28th April 2020 at 7:00 PM.

The session was coordinated by Dr. Saradindu Panda (Head, ECE Department), Ms. Rimpi Datta, Mr. Kaushik Sarkar, ECE Dept.

The session was facilitated by Mr. Kunal Ray. He is from one of India's major construction giant M/S Larsen & Tubro Ltd, Kolkata. He is having a vast industry experiences of over 12 years. He has done his BE from NIT, Durgapur in Electrical Engineering Department and got his M.Tech degree from Jadavpur University. Total 60 students and faculty and staff members of ECE Department actively participated in the session through the Zoom platform hosted by Ms. Rimpi Datta & Mr. Kaushik Sarkar.

The online lecture covered Purpose of Power SCADA, Components of Power SCADA, Why Power SCADA is used, Type of Data handling for Power SCADA, Methods of Data Acquisition, Configurations of Power SCADA, Loadshedding, Islanding. He had also pointed out about the Industrial Automation and basic difference between Industrial Automation and Power SCADA. The session was very informative and lucid and enlightened the students and faculties alike.

At the end of Mr. Ray's speech, the webinar was open for question-answer discussion.

At the end of the session Ms. Rimpi Datta Asst. Professor, ECE Dept gives the vote of thanks to the speaker on behalf of the ECE Dept, NIT, JIS Group. Overall it was an interesting session to attend with.

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Recording...

Load Shedding

Balance between generation and consumption is required. Whenever load requirement is greater than generation, shedding of non essential load is required to maintain power system stability, otherwise, there will be a power blackout.

Participants (12):

- kaushik Sarkar (Host, me)
- KUNAL RAY
- RIMPI DATTA (Co-host)
- Abhas Chakraborty
- ARPITA SANTRA
- Ashmita
- Bikramaditya Nandan
- Dr Anillesh Dey
- Isha Bhattacharjee
- MANISH KUMAR
- Manish Kumar Pandit
- Moupani Roy
- Nilabhra Pal
- Payel Mukherjee
- Sinthia Mukherjee

Session on going, 28/04/2020

Islanding

Whenever, there is sudden increase in load/sudden off/sudden breakdown of one generating station, there might be instability in national grid. At that time it is very much important to have timely islanding of power generation and distribution unit from national grid successfully to get rid of blackout.

Participants:

- kaushik S
- Swati B
- KUNAL RAY
- Supti R

Session on going, 28/04/2020


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Workshop

on

“Manual and Wireless Robots”

Venue: Virtual Platform (Google meet)

1st May 2020 , 5.00 – 6.00 PM

Objective of the event:

- 1. To enhance the skill of students in robotics**
- 2. To enhance the leadership quality of students**

Mode of event: Online through Zoom

Speaker: Ambrish Upadhyay, 3rd student of Electronics and Communication Engineering department

Total number of participants: 30

Description of the event:

The Department of Electronics and Communication Engineering, Narula Institute of Technology has conducted a Workshop on “Manual and Wireless Robots” by Ambrish Upadhyay, a 3rd student of Electronics and Communication Engineering department, Narula Institute Of Technology, on 1st May 2020 at 5.00 PM.

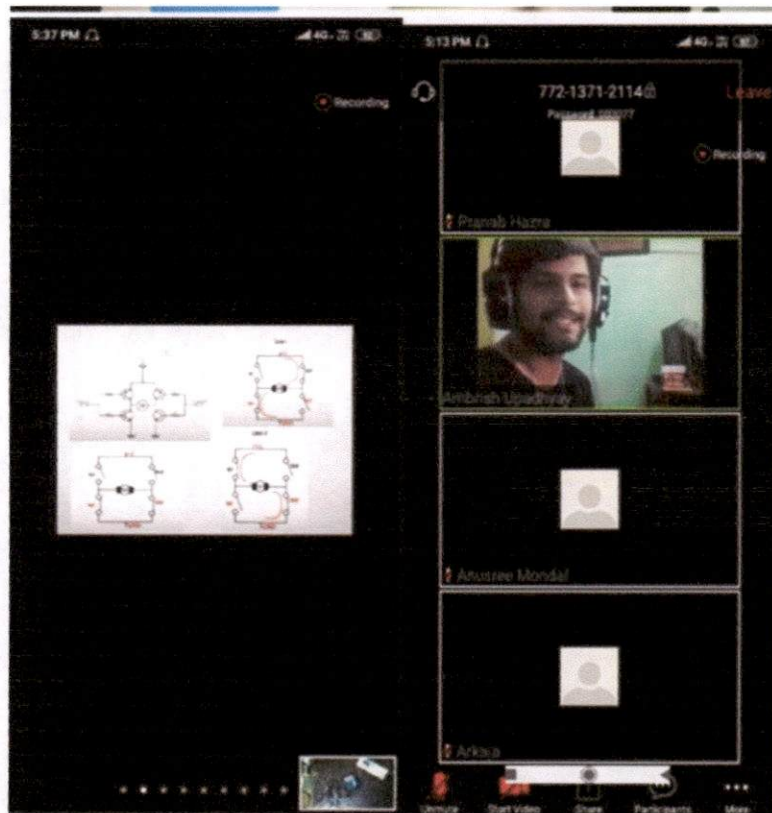
The session was co-ordinated by Dr. Saradindu Panda (Head, ECE Department), Mr. Pranab Hazra, Mr. Kaushik Sarkar, Asst. Professors, ECE Dept. The lecture covered the topic manual robot, automatic robot (using hc05). Types of motors and their descriptions also illustrated by him.

He discussed various types of available sensors and types of microcontrollers (i.e. arduino board, Esp8266, Esp32, Attiny series etc.) Around 30 participants attended the workshop. The session was informative for the students and faculties also.



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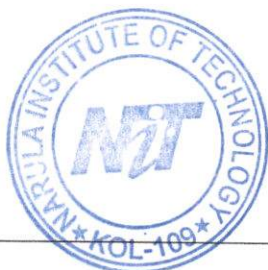
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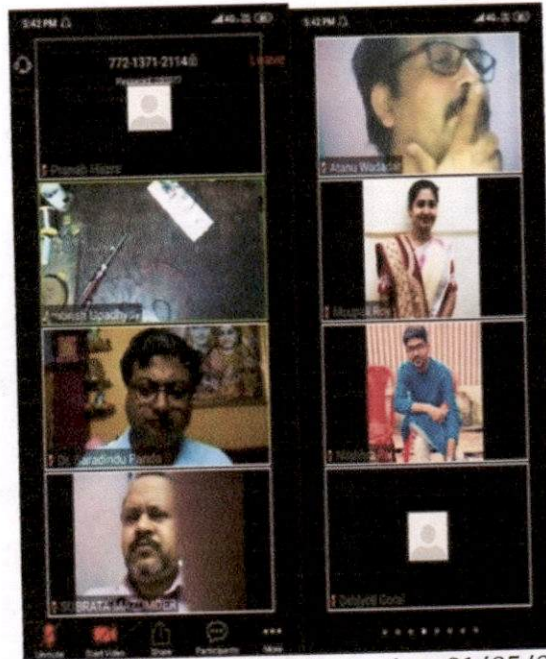


Mr. Ambarish Upadhyay presenting, 01/05/2020

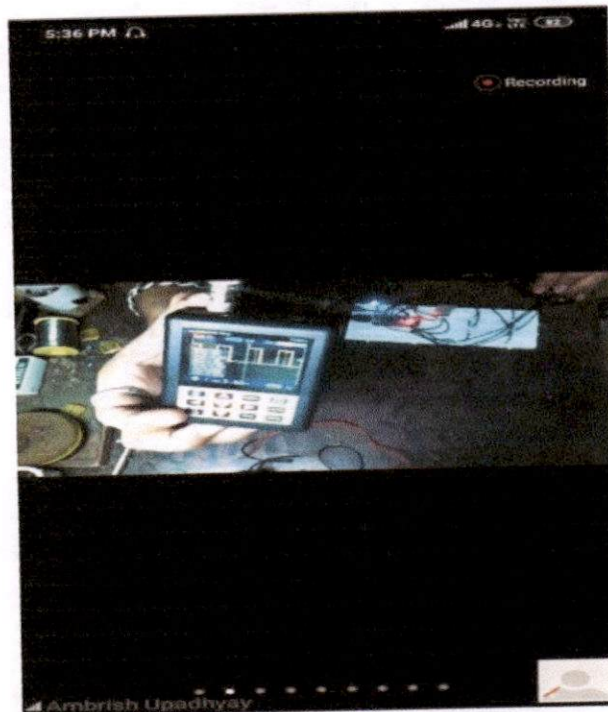


Session on going, 01/05/2020





Students and faculty attending the session, 01/05/2020



Session ongoing, 01/05/2020

Outcome: The students learned on the types of available sensors and types of microcontrollers and the knowledge on robotics increased

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**Webinar on
Cloud computing with AWS
Venue: Virtual platform(Zoom)**

2nd of May, 2020

Objective:

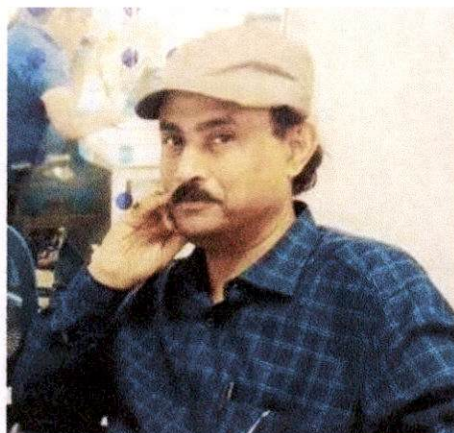
To enhance the knowledge of students and faculty on cloud computing

Speaker:

**Mr. Chanchal Chakraborty
Vice President, Network Reliance Jio**

Date: 2nd of May, 2020

Time: 3.00 pm to 5.00 pm



Number of participants: 30

Topic summary –

Mr. Chakraborty illustrated the application of cloud computing in a very informative and interactive way. He first started with the difference between with and without cloud computing. He explained the architecture and technical specifications to the audience. Gradually he entered into on-premise vs cloud computing. He explained about the hybrid cloud structure and different types of service models. Once he explained the necessary details about cloud computing, he slowly entered into different service providers and their comparison. In brief he explained the worldwide market share of leading cloud computing service providers.



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Glimpse of the webinar:

Why Cloud Computing?

On-premise vs Cloud Computing

ON-PREMISE

- Higher pay, less scalability
- Need huge space for servers
- Appoint a team for hardware and software maintenance
- Poor data security
- Less chance of data recovery

CLOUD COMPUTING

- Pay for what you use
- No server space requirements
- No experts required for maintenance
- Better data security
- Disaster recovery

Participant list:

- Dr. Saradindu Panda
- Moupani Roy
- Mousumi Saha
- Piyu Sarker
- Pranab Hazra
- PUSPAK PAIR
- RAJLAKSHMI SRIVASTAW
- Rathin
- REKHA MAJUMDER
- Rimpi Datta
- Nitam Saha
- Sandhya Pattanayak
- SANGITA ROY
- SHYAMAPRIYA CHOWDHURY

Session ongoing, Dated: 02/05/2020

Worldwide market share of leading cloud infrastructure service providers in Q4 2019*

Provider	Market Share
amazon web services	18%
Microsoft Azure	8%
Google cloud	6%
IBM Cloud	5%
Alibaba Cloud	3%
Salesforce	2%
Oracle Cloud	2%
Tencent Cloud	2%

Worldwide cloud infrastructure service revenue in 2019: \$96 billion

* includes platform as a service (PaaS) and infrastructure as a service (IaaS) as well as hosted private cloud services
Source: Synergy Research Group

Participant list:

- KS Kaushik Sarkar (Host, me)
- Chanchal
- Abhijit_ECE
- ARPITA SANTRA
- Atanu Wadadar
- Avijit Dey
- Bhola Nath Pal
- Dr. Saradindu Panda
- Moupani Roy
- Piyu Sarker
- Pranab Hazra
- RAJLAKSHMI SRIVASTAW
- REKHA MAJUMDER
- Rimpi Datta

Session ongoing, Dated: 02/05/2020

Outcome: Students learned in detail about cloud computing.

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International Webinaron
“Succeeding in Modern IT Industry”

14th May 2020

Venue: Online Platform (Google meet)

Objective:

To create awareness among the students on the current trend of the Industry and the Digital transformation

Speaker: Mr. Ram Datta,

Designation: Assistant Consultant.TCS from Tokyo Japan

Date: 14th May 2020.

Number of participants: 30

Description of the Event:

The Department of Electronics and Communication Engineering, Narula Institute of Technology has conducted an International Webinar on "Succeeding in Modern IT Industry " by Mr. Ram Datta, Assistant Consultant. TCS from Tokyo Japan, on 14th May from 3.00 PM to 4.00 PM. The session was coordinated by Dr. Saradindu Panda (Head, ECE Department), Ms. Rimpi Datta, Mr. Kaushik Sarkar, ECE Dept.

The session was facilitated by Mr. Ram Datta, He has 10 years of global experiences in different countries like UK and Japan in IT Industry. He also has Worked with IBM and one of the largest Bank in the World. He has his expertise in Java and cloud technologies. More than 30 students along with faculty and staff members of ECE Department and IT Department actively participated in the session through the Zoom platform hosted by Ms. Rimpi Datta & Mr. Kaushik Sarkar.

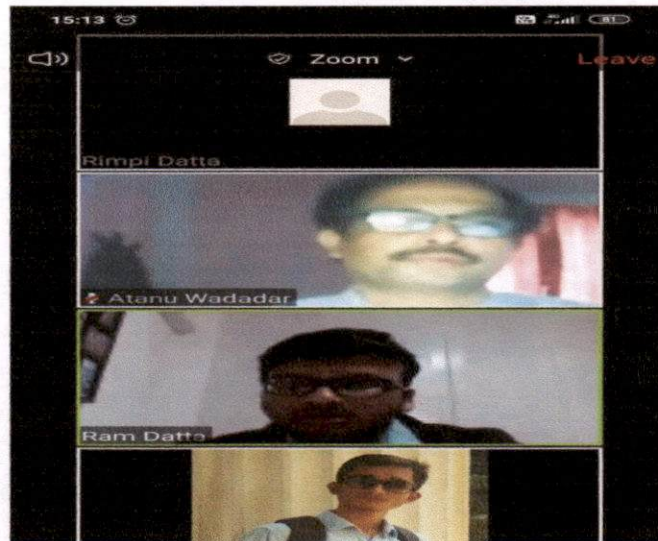
The online lecture covered Individual sector and potential future growth, He had also pointed out about how to maintain Strong networkin industry and how to be Proactive when developing targeted industry skills. He had given an idea of Digital Transformation of IT industry and the Latest Technologies. The session was very informative and lucid and enlightened the students and faculties alike.

At the end of Mr. Datta's speech, the Webinar was open for question-answer discussion. This was very Interactive session. He had also given an idea of the work culture of Japan compare to India.

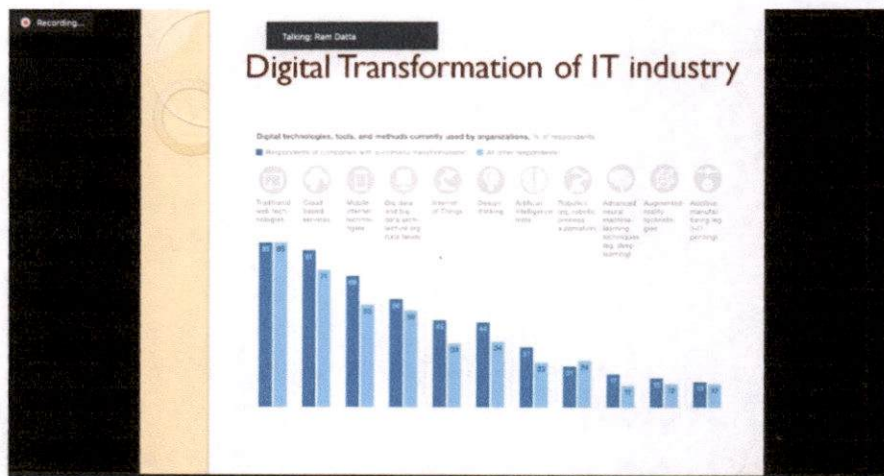
At the end of the session Ms. Rimpi Datta, ECE Dept gives the vote of thanks.

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Mr. Ram Datta presenting, Dated: 14/05/2020



Mr. Ram Datta presenting, Dated: 14/05/2020

Outcome of the Event:

Students learned about the digital transformation in Industry

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“Concept of Power for Young Engineers”

8th May 2020, 4.00 PM

Venue: online platform (zoom)

Objective:

To impart to the students the concept of process of generation of power , station power production etc.

Speaker: Mr. Subijit Chanda,

Designation : Ex. Sr. General manager, Reliance Industries

Date: 08/05/2020, 4pm

Venue: online platform (zoom)

No: of participants: 25

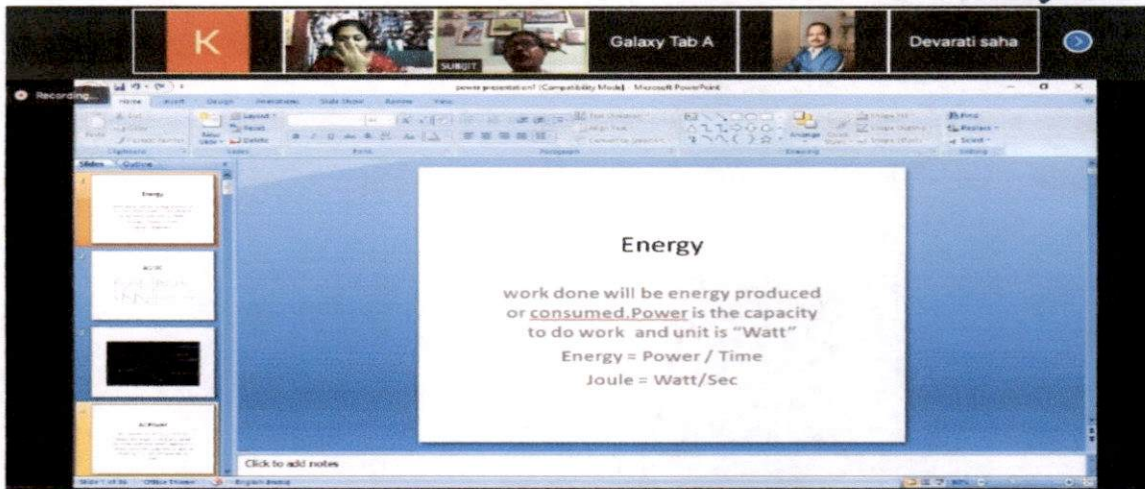
Description of the Event:

The Department of Electronics and Communication Engineering, Narula Institute of Technology has conducted a Webinar Session on “Concept of Power for Young Engineers” by Mr. Subijit Chanda, Ex. Sr. General manager, Reliance Industries Limited on 8th May 2020 at 4.00 PM. Earlier he worked with WBSEB in power sector and prior to that worked in Design of Electrical Transformer to enrich knowledge in Power System. He was also a regular faculty of training department of Reliance RPMG group at Jamnagar, Gujarat. The session was coordinated by Dr. Saradindu Panda (Head, ECE Department), Mrs. Moupali Roy and Mr. Kaushik Sarkar, Asst. Professors, ECE Dept. The lecture covered the basic concept of Energy and Power, also various types of connections of Electricity. He also discussed about the process of generation station power production and design of the supply around the consumers. Around 25 participants attended the webinar. The session was too much informative for the new aged students as well as faculties and staff members.

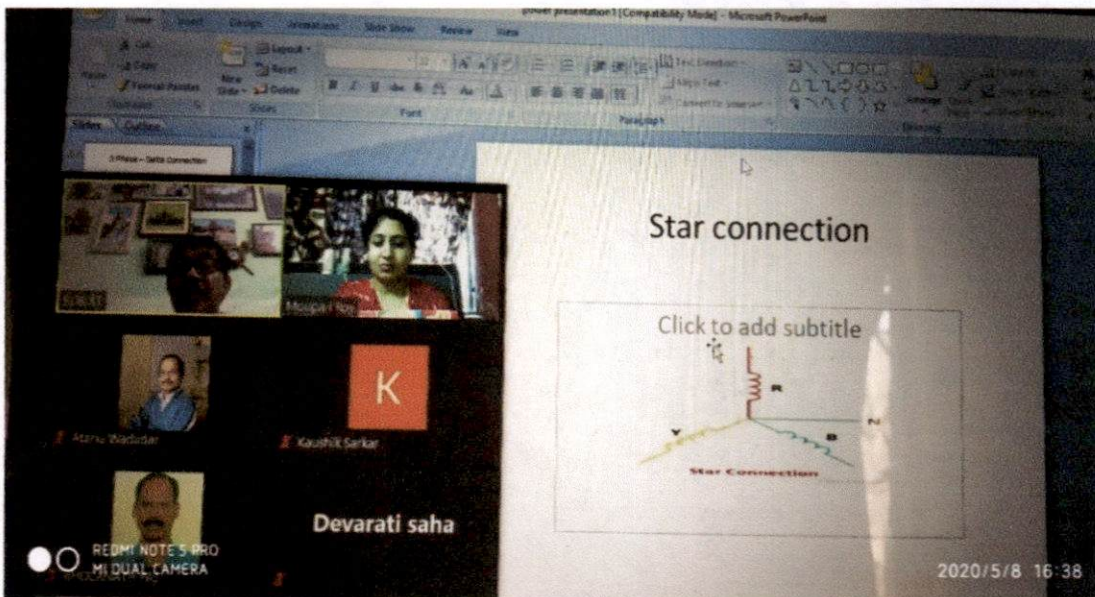


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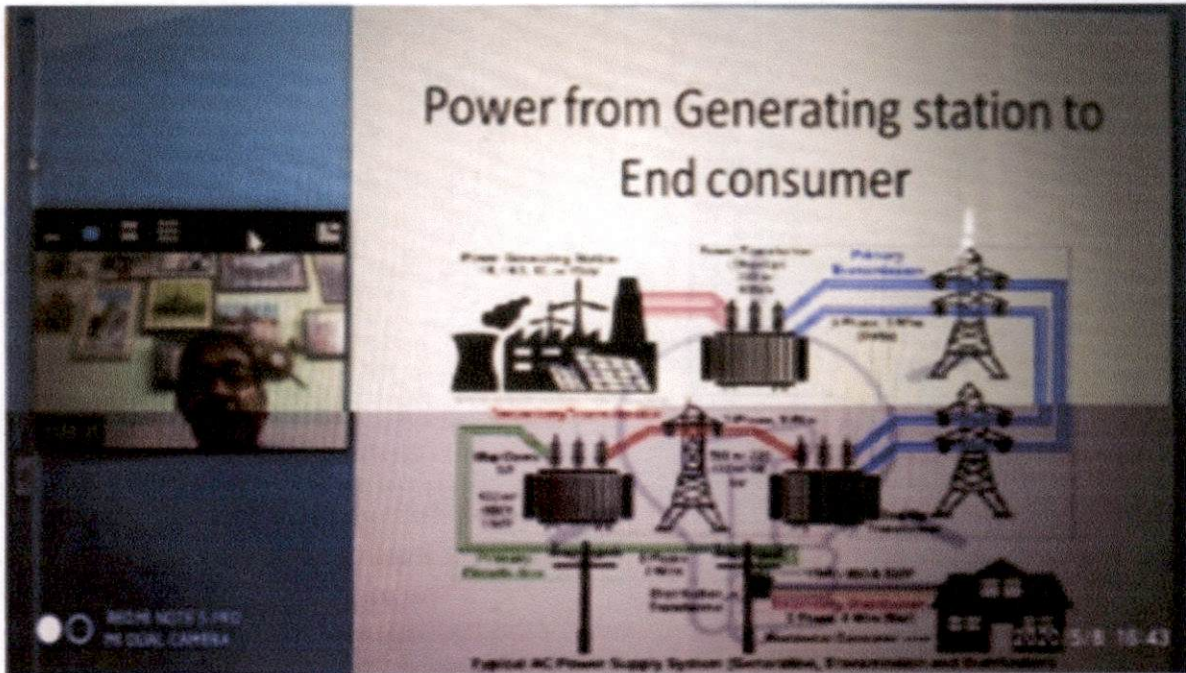


Mr. Subijit Chanda, presenting, Dated: **08/05/2020**



Mr. Subijit Chanda, presenting, Dated: **08/05/2020**





Mr. Subijit Chanda, presenting, Dated: **08/05/2020**

Outcome of the session: Students learned about the process of generation of power



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Master Class
on
“How To Become A Super Hero”
on
6th June,2020
Venue: Virtual Platform (Google meet)

Objective:

1. To motivate students to go for skill development, innovation and risk taking for business setup.

Venue: online platform

Speaker name: Mr. Sidharth Jain,

Designation: Founder, Producer & Chief
Storyteller at The Story Ink

Number of participants: 98

Narula Institute of Technology has organised a Master class on “How To Become A Super Hero” on 6th June,2020 at 4 PM. The session moderator was Ms.Nidhi Singh,Registrar,NiT.

The guest speaker was Mr. Sidharth Jain,Founder, Producer& Chief Storyteller at The Story Ink.He was the Former Creative Head of hotstar.com. Ms. Jaspreet Kaur, honourable Director, JIS Group was also present to grace the event and she has officially started the session with her introductory speech and welcomed Mr.Jain.

The session was attended by 98 participants students, faculty and staff members. The entire session was based on self- motivation , taking up new ventures, angle investment and self productivity, its importance in one's life.To look at life in a larger perspective, remain optimistic and positive to combat the difficulties that we are endowed with.

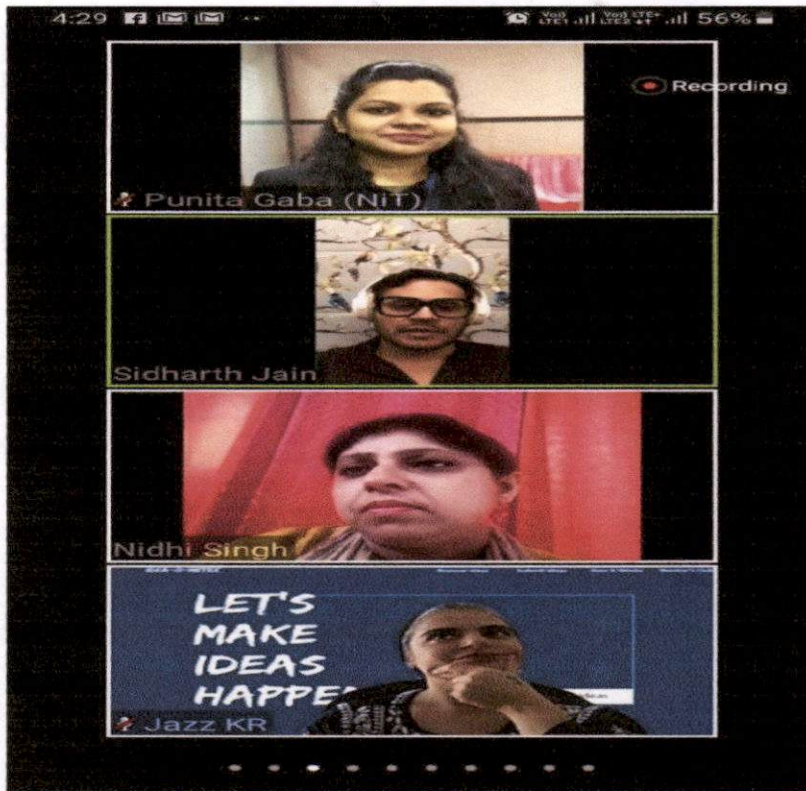
Mr. Jain emphasized on the importance of dedication, deligence, zeal to achieve dreams and individual desire to set new goals to keep oneself focused, productive and positive. He also highlighted the importance of confidence, continuous effort and to differentiate between hobbies and passion while choosing a carrer path.

The webinar was extremely inspiring and enthralling for all the participants. We express sincere gratitude and deep regards to Mr.Sidharth Jain for motivating us,enlightening us and making us believe that we all can be superheroes if we truly aim for. We also like to extend our gratitude to Ms.Jaspreet Kaur for attending the session and expressing her views.

Outcome: The students were motivated for to take up their interests passion towards career and go for skill development and new ventures



Principal



Mr. Sidharth Jain taking the session, 06/06/2020

Master Class on
HOW TO BECOME A SUPER HERO

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 Educational Institutions

SPEAKER
MR. SIDHARTH JAIN
 FOUNDER, PRODUCER & CHIEF STORYTELLER AT THE STORY INK,
 FORMER CREATIVE HEAD HOTSTAR.COM

SESSION MODERATOR
MS. NIDHI SINGH
 REGISTRAR
 NARULA INSTITUTE OF TECHNOLOGY (JIS GROUP)

PRESENTED BY
 NARULA INSTITUTE OF TECHNOLOGY

6TH June, 2020 | 4.00 PM

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(Signature)

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Workshop on "PLC and SCADA"
Date: 6th January, 2020 to 10th January, 2020
Narula Institute of Technology Agarpara
Venue: Room No. 106A, EE Dept

Objective:

To teach students on the PLC and SCADA and Industrial Application

Speaker: Mr. Joydeep Nath , M/S. Micropro

Designation: M/S. Micropro

Date: 6th January, 2020 to 10th January, 2020

Venue: Electrical Engineering Department - Narula Institute of Technology, Agarpara Room No. 106A

Number of participants: 70

Description of the Event

Electrical Engineering Department of Narula Institute of Technology, Agarpara organized one week Industrial Workshop on "PLC and SCADA" from 6th January to 10th January, 2020.

This program was co-ordinated by jointly **Mr. Sudhangshu Sarkar and Mr. Arkendu Mitra, Assistant Professor Electrical Engineering Department.** For this programme, 70 numbers of students from B.Tech EE3rd year have been selected as per their end semester marks. This programme was started from 6th January, 2020 at 10 am.

Mr. Joydeep Nath from **M/S. Micropro** who have immense knowledge of PLC (Programmable Logic Controller started their session by delivering the basic information of industrial application of automation.

This programme continued from 6th January, 2020 to 10th January, 2020 as per schedule which has been attached below. In each day there were two sessions (session-I from 10:00 AM to 1:00 PM and session-II from 2:00 PM to 5:00 PM). This programme successfully end by valedictory sessions on 10th January, 2020 from 4.30 PM to 5:00 PM. Valedictory session was started with certificates distribution by **Dr. Nabamita Banerjee Roy, and Jaydeep Nath** This session was closed with vote of thanks by **Dr. Nabamita Banerjee Roy -EE Dept.**

Principal



Mr. **Jaydeep Nath** and Participants: Dated:10th Jan 2020

Outcome of the Session: Students learned about the PLC and SCADA,



Principal

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INDUSTRIAL SEMINAR ON “800 kV UHV TRANSMISSION”

Date: 23rd September, 2019

Venue: Seminar Hall, Narula Institute of Technology

Objective:

to share with experience and knowledge on 800 kV HVDC Transmission

Date: 23/09/2019

Speaker:

- Mr. Amitava Barat, Chief General Manager, Power Grid Corporation of India Limited.
- Mr. Himadri Bose, Dy. General Manager, Power Grid Corporation of India Limited.
- Mr. Rupankar Shome, OSD to MIC, Dept. Of Power, Govt. of West Bengal.

Venue: Seminar Hall, Narula Institute of Technology

Number of participants: 165



Inaugural session, 23rd September 2019



Inaugural session, 23rd September 2019



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Description of the Event:

Electrical Engineering department of Narula Institute of Technology, Agarpara organized a Industrial Seminar on September 23, 2019 which was based on Industrial Seminar on "800 kV UHV Transmission". This program was organized by Prof. Amlan Chakrabarti, CoE, Narula Institute of Technology and Mrs. Nabamita Banerjee Roy, Dept. of EE, Narula Institute of Technology and also jointly co-ordinated by Mr. Arkendu Mitra, Assistant Professor, EE Department, Narula Institute of Technology and Ms. Kamalika Banerjee, Assistant Professor, EE Department, Narula Institute of Technology. Eminent speakers from Power Grid Corporation of India Limited shared their experience and knowledge on 800 kV HVDC Transmission. Total of 165 participants attended the session.

In that day the inauguration have been arranged from 11 AM. The program was inaugurated by the following industrial personalities:

- Mr. Amitava Barat, Chief General Manager, Power Grid Corporation of India Limited.
- Mr. Himadri Bose, Dy. General Manager, Power Grid Corporation of India Limited.
- Mr. Rupankar Shome, OSD to MIC, Dept. Of Power, Govt. of West Bengal.



Speaker Mr. Rupankar Shome delivering the session, Dated: 23/09/2019



Audience watching the session Dated: 23/09/2019

Outcome: Students and faculty were inspired by the session and the knowledge delivered.



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Webinar

On

Cyber Physical Systems & Real Time Case Study on Internet of Underwater Things

28th June, 2020

Venue: Virtual Platform (Google meet)

Objective of the event:

To increase the knowledge of students on the technological experience and knowledge on IOT and its different business aspects.

Mode of event: Online Google meet

Speaker of the session - Dr. Anand Nayyar

**Designation: Researchers, Scientist & ACM
Distinguished Speaker**

Total number of participants:- 54

Description of the Event

The Electrical Engineering department of Narula Institute of Technology organized a webinar on Cyber Physical Systems & Real Time Case Study on Internet of Underwater Things on 28th June, 2020 from 2.00 PM onwards.

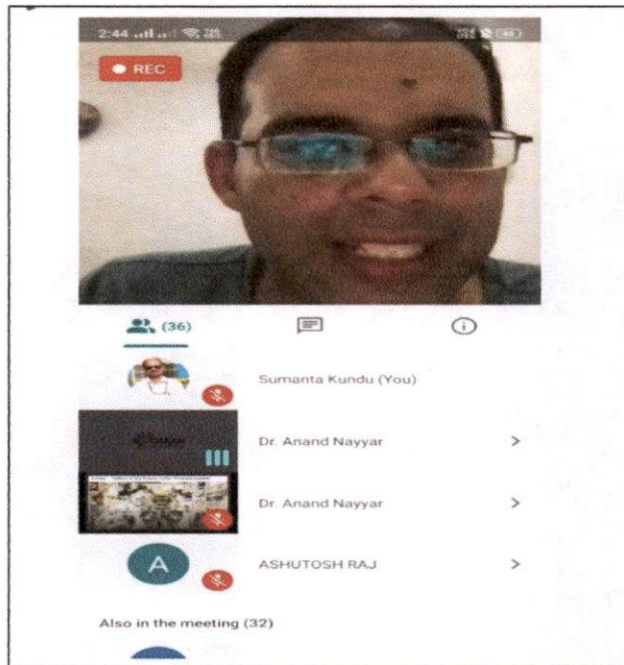
The program was coordinated by Mr. Sumanta Kundu, EE Department and Dr. Nabamita Banerjee Roy, Head, EE Department.

The Eminent speaker Dr. Anand Nayyar (Researchers, Scientist & ACM Distinguished Speaker) shared his technological experience and knowledge on IOT and its different business arena with real time underwater case studies. He also described cyber security systems. He also discussed some relevant case studies like Beehive, Agriculture, and Inventory Management etc to give a detailed overview.

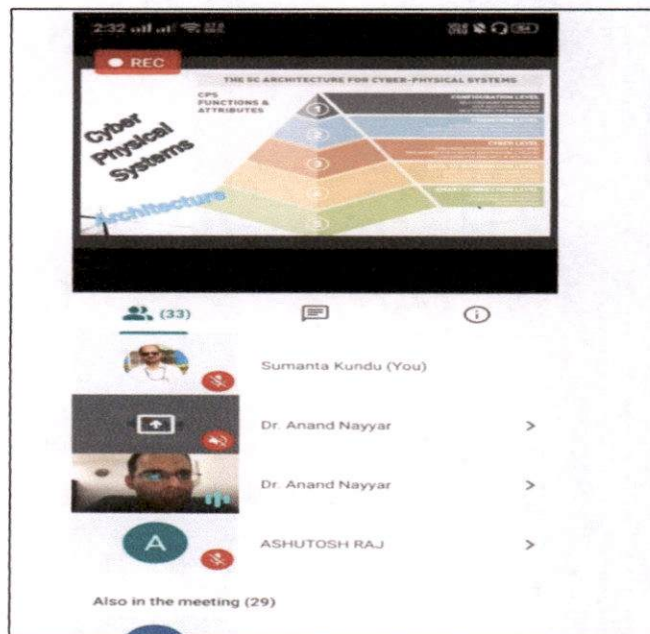
The participants were 2nd year & 3rd year B.Tech. Students of EE Department along with the departmental Faculty members and TAs. The students gained immense practical knowledge on different technological as well as business domains. Total 54 participants attended this webinar session.

The Webinar session continued with discussion over different aspects of IOT and ended with an interesting question answer session.





Dr. Anand Nayyar presenting, Dated 28/06/2020



Dr. Anand Nayyar presenting, Dated 28/06/2020

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Outcome of the Event: Students gained knowledge on the different areas where business can be established



Webinar
on
Enhancing Interdisciplinary Achievements via Integrating Biology
with Chemistry
11th May, 2020
Venue: Online mode (google meet)

Objective of the event:

To make students understand about Drug Design through Computer simulation by using various statistical and machine learning methods in Bioinformatics and Chemo-informatics.

Mode of event: Online Google meet

Speaker of the session - Dr. Sibani Sen Chakraborty

Designation: Assistant Professor, Department of
Microbiology, West Bengal State University
Barasat.

Total number of participants: - 51

The Department of Basic Science and Humanities of Narula Institute of Technology organised a Webinar session on 11th May, 2020 through the digital mode.

The topic of discussion was "Enhancing Interdisciplinary Achievements via Integrating Biology with Chemistry". The speaker of the session was Dr Sibani Sen Chakraborty, Assistant Professor, Department of Microbiology, WestBengal State University Barasat.

The speaker discussed the method of Drug Design through Computer simulation by using various statistical and machine learning methods in Bioinformatics and Chemoinformatics, thus integrating Chemistry with Biology. She also discussed the mechanism of drug actions against HIV and COVID 19.

Total 51 participants participated in the session

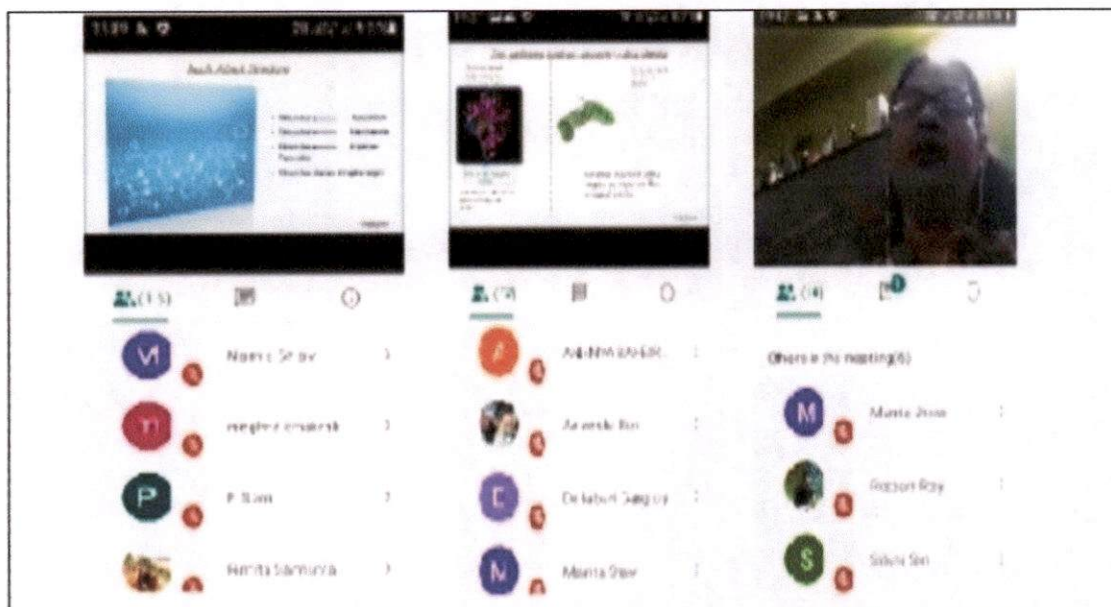
Sibani Sen Chakraborty received her Ph.D degree from Jadavpur University while working at the Biophysics Department of Bose Institute, Kolkata. Further she went for her post-doctoral training at the Department of Biochemistry & Molecular Biology, Brain Institute, University of Florida, Gainesville, USA and at the Molecular Biology Division, Saha Institute of Nuclear Physics, Kolkata, India. She is currently working with microbial enzymes isolated from the environment. She has published several book Chapters and research papers in Internationally reputed journals.

It was more of an interactive session, where students and teachers from WBSU, JISIASR raised several points and exchanged ideas between the speaker and the

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participants. It ended with a vote of thanks by coordinator Dr. Sarkar.



Dr Sibani Sen Chakraborty, Dated: 11th May 2020

Outcome of the event: Drug Design through Computer simulation was explained and bioinformatics.



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Webinar

On

'Basic concepts on Design of RC Structure'

On

22nd April, 2020

Venue: Virtual platform (Google meet)

Objective of the event:

To make students ready for industry by infusing technical knowledge

Mode of event: Online Google meet

Speaker of the session - Prof. (Dr.) Amit Shaw

Designation: Associate Professor, Civil Engineering, IIT

Kharagpur

Total number of participants: - 98

Description of the Event:

The Department of Civil Engineering, Narula institute of technology has organized a webinar on 'Basic concepts on Design of RC Structure' on 22nd April, 2020 from 11.30 am onwards. The webinar was coordinated by Prof. (Dr.) Biman Mukherjee, HOD CE Department and Mr. Raj kumar Banerjee, CE Department.

The Guest Speaker of the webinar was Prof. (Dr.) Amit Shaw, IIT Kharagpur. His expertises in Impact Mechanics, Particle based methods, Low cost protective vest using natural fibers.

During the session Dr. Amit Shaw discussed the concepts of designing structural elements like, beam, column, Slab, staircase. He also explained the codal clauses that are used in the RC designing.

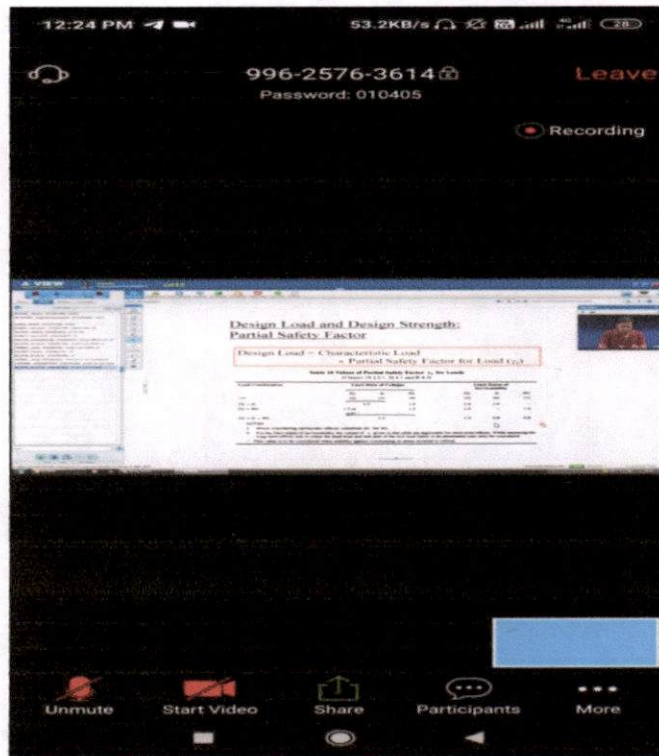
The purpose of the Webinar was to make students ready for industry by infusing technical knowledge in this field by academic experts. This may also increase the potentiality of campus interviews by core companies.

Total 98 participants from 2nd, 3rd, 4th year B.Tech and 2nd and final year Diploma participated along with faculty members of CE Department.

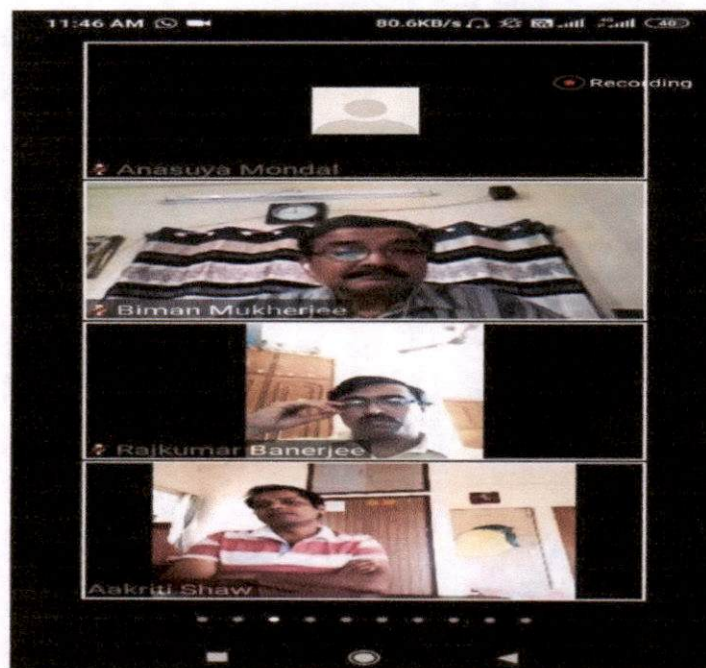
Outcome of the event: Students learned about the concepts of designing structural elements like, beam, column, Slab, staircase

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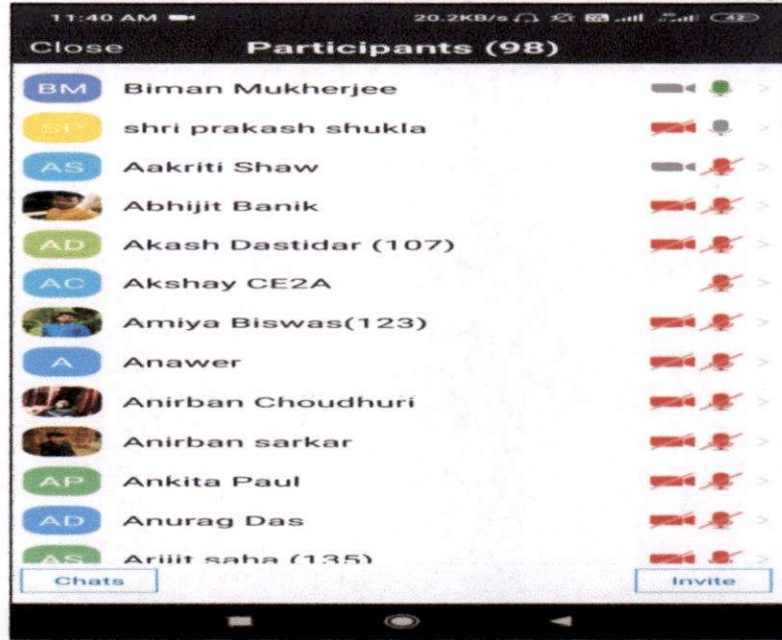
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Session ongoing, Dated: 22/04/2020



Speaker presenting, Dated: 22/04/2020



Participants, Dated: 22/04/2020

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International Webinar
On
Opportunity Steps and Prospect
9th May, 2020
Venue: Online Mode (zoom)

Objective of the event:

Upgrade knowledge of students on the current industry trend

Mode of event: Online Google meet

Speaker of the session - Mr. Neelanjan Ghosh

Designation: Technical Support Engineer, INFORMATICA, Austin, Texas.

Total number of participants: - 43

The Mechanical Engineering Department of Narula Institute of Technology organised an International Webinar session on 9th May, 2020 through the digital mode.

The topic of discussion was "Opportunity Steps and Prospect". The speaker of the session was Mr. Neelanjan Ghosh, Technical Support Engineer, INFORMATICA, Austin, Texas.

Total 43 participants participated in the session

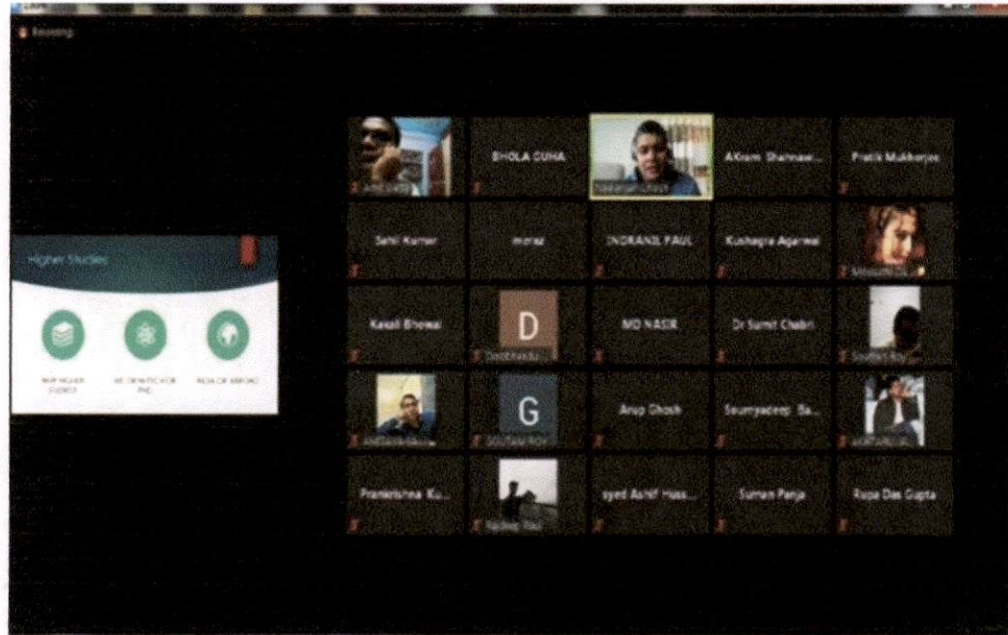
Mr. Ghosh stressed on the current industry trend e.g. Big data, Machine learning, Cloud hybrid environment (based on highly reliable hardware) and Database Management System. The principle of Automatic car and Data collection was dealt with. The instance of Amazon Hosting cloud environment (Amazon Web services) was also given. The speaker in his address stressed on the importance of referrals in jobs and several connecting portals.

He spoke at length on higher studies, especially on MS, MTech and PhD in foreign Universities. The preparation for exams like GRE, CAT, TOEFL and IELTS were discussed.

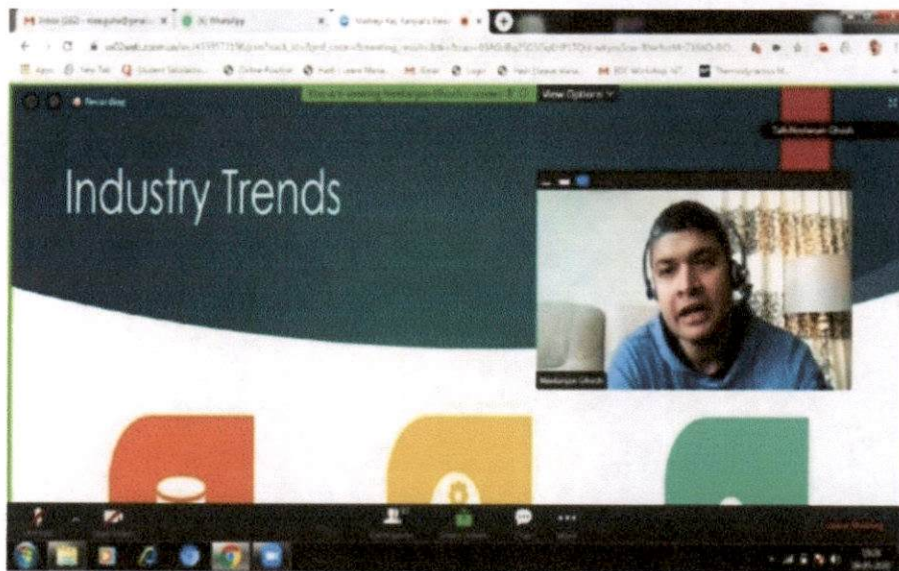
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It was more of an interactive session, where several points were raised and ideas exchanged between the speaker and the participants. It ended with a vote of thanks by Dr. Sumit Chabri.



Mr. Neelanjana Ghosh presenting, Dated: 09/05/2020



Mr. Neelanjana Ghosh presenting, Dated: 09/05/2020

Outcome of the Event: Students learned about the current industry trend e.g. Big data, Machine learning, Cloud hybrid environment (based on highly reliable hardware) and Database Management System

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Webinar

By

Dr. Rama Dubey, Scientist-E

Dr. Dhiraj Dutta, Scientist-D

On

“Polymeric/ nanomaterials for water purification.”

20th June 2020 from 11 AM to 1 PM.

Venue: Virtual Platform (Google meet)

Objective of the event:

To make students understand the material and sensor for water purification

Mode of event: Online Google meet

Speaker of the session –1. Dr. Rama Dubey, Scientist-E &

**Head of Water Chemistry Department,
Defence Research Laboratory, DRDO, Govt of India.**

2. Dr. Dhiraj Dutta, Scientist-D

**Head of Water Chemistry Department
Defence Research Laboratory, DRDO, Govt of India**

Total number of participants: - 88

The Department of Electronics and Instrumentation Engineering (EIE) of Narula Institute of Technology has organized a webinar on 20th June 2020 from 11 AM to 1 PM. The webinar was attended by the students and faculty members of the EIE department.

Total Attendees: 88 Participants.

The Invited Speakers were:

1. Dr. Rama Dubey, Scientist-E,
Head of Water Chemistry Department, Defence Research Laboratory,
DRDO, Govt of India.

&

2. Dr. Dhiraj Dutta, Scientist-D,
Water Chemistry Department, Defence Research Laboratory, DRDO,
Govt of India.

They have discussed the following points:

1. Opportunities for UG/PG students in DRDO.
2. Technological talk on “Polymeric/ nanomaterials for water purification.
3. Chemical sensors for water purification analysis.

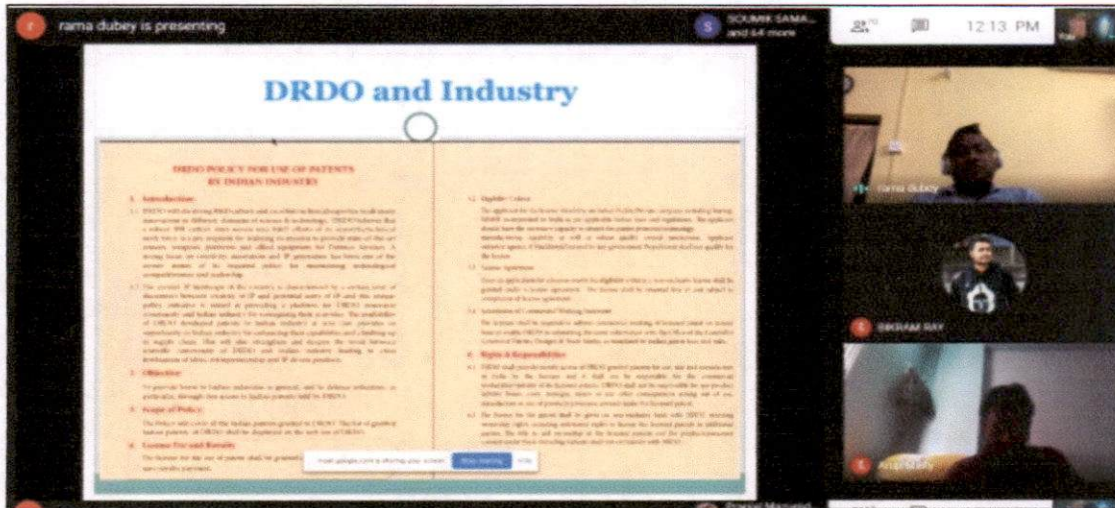
The students were very enthusiastic and the webinar was flooded with questions both from students and faculty members. The speakers were patient enough to answer each and every question. Dr. Dhiraj Dutta has also discussed the ongoing research opportunities with DRDO and explained how both the students and faculties can collaborate with them.

The scientists were very happy to know about the Humanoid robot, Ms.

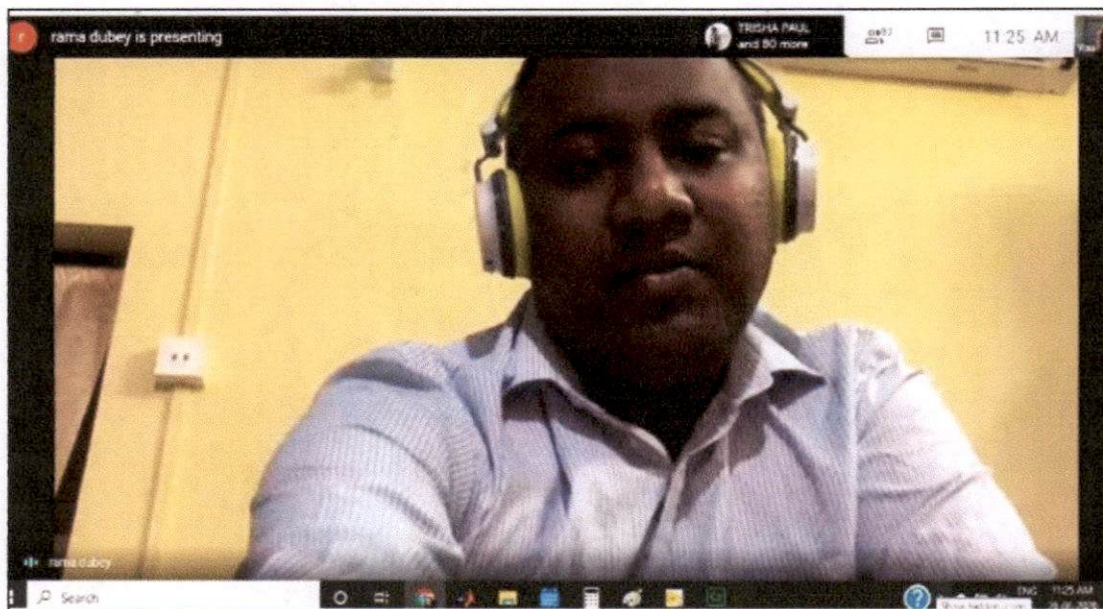
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Lucy developed by our department and welcomed the team of Lucy to work on robotics devices for military applications.

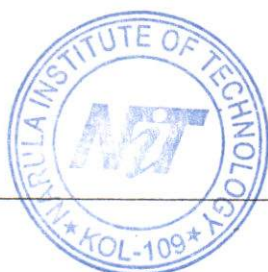
Some of the glimpses of the webinar are attached herewith.

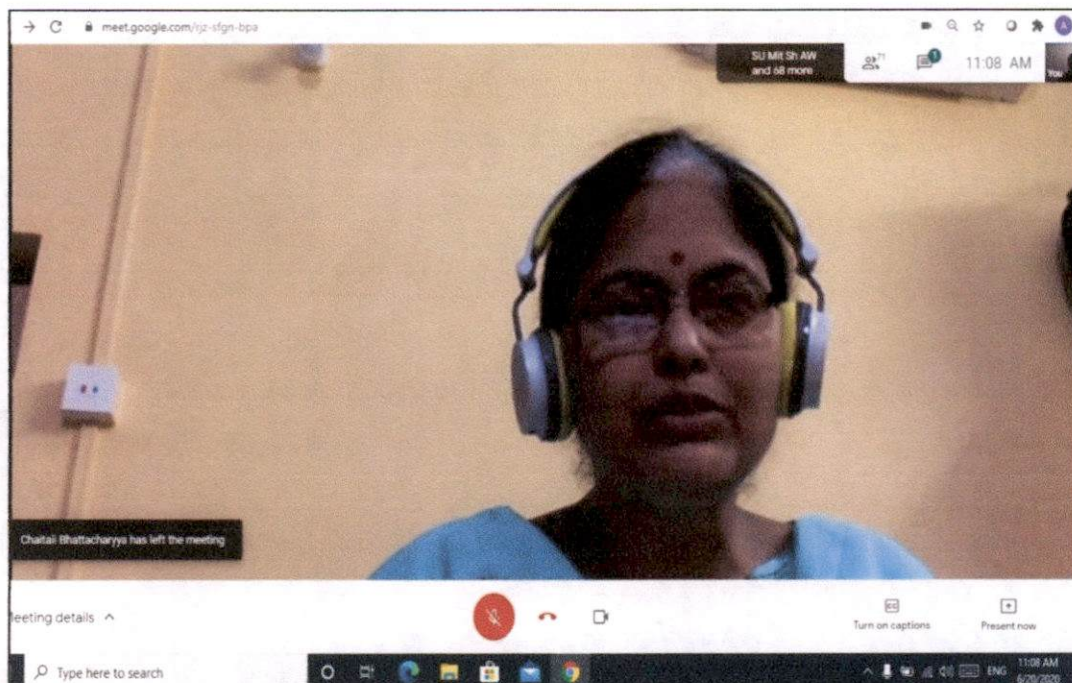


Dr. Dhiraj Dutta, Scientist-D presenting, Dated:20/06/2020

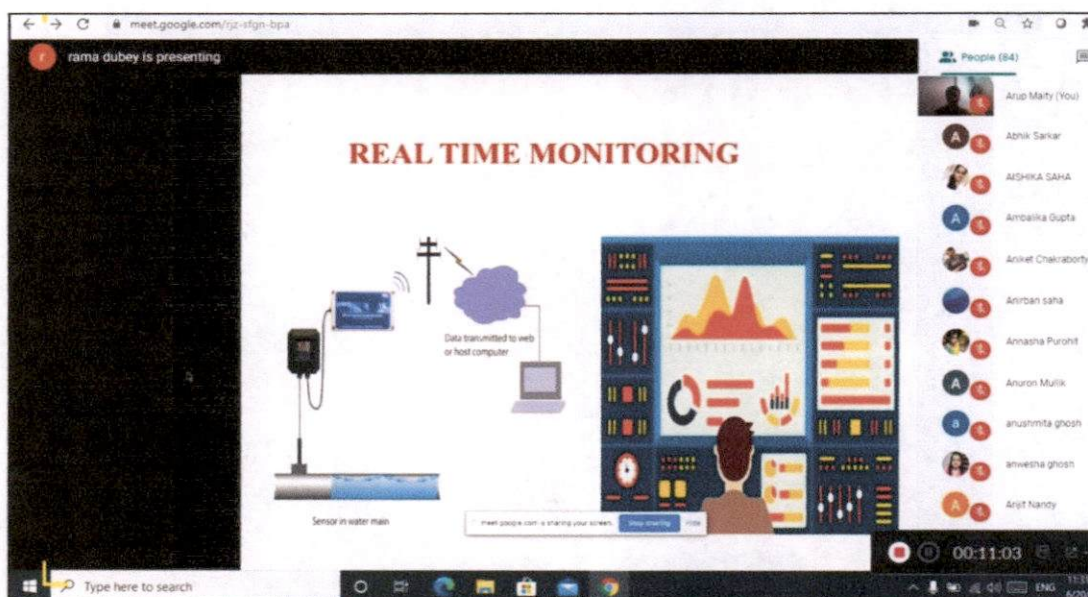


Dr. Dhiraj Dutta, Scientist-D presenting, Dated:20/06/2020





Dr. Rama Dubey presenting, Dated:20/06/2020



Audience of the session, Dated:20/06/2020

Outcome of the session: Students came to know about the water purification process, nano materials and sensors needed.

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