

Webinar on Central Budget-a Macro View
On
4th February, 2021
Venue: Online platform

Objective of the event: To present **economic conditions, GDP, entrepreneurship, innovation, market growth etc** create Entrepreneurship Culture

Venue: Online platform

Speakers :

Prof. (Dr.) Suman Mukherjee
Renowned economist, Columnist, analyst, Member State Advisory Board of Education, Government of West Bengal, Director General, The Bhawanipur Education Society College was the sole speaker.

Number of participants: 75

Description of the Event:

Narula Institute of Technology has organised a webinar 'Central Budget-a Macro View' on 4th February, 2021 at 11 AM through virtual platform.

Prof. (Dr.) Suman Mukherjee, Renowned economist, Columnist, analyst, Member State Advisory Board of Education, Government of West Bengal, Director General, The Bhawanipur Education Society College was the sole speaker.

The event was graced by the presence of the Honourable Director-JIS Group, Mr. Simapreet Singh and Principal-NiT, Prof. (Dr.) Maitreyi Ray Kanjilal, who welcomed the speaker and started the session with her motivating speech. Dr. Sriparna Guha & Mr. Somnath Chakraborty, Assistant Professor coordinated and hosted the webinar.

Referring to Kuznets theory of economic growth, Prof. Mukherjee mentioned that as the country moves on the road of economic growth, the relative share of agriculture(primary sector) declines while that of the industrial(secondary) and service sector increases which does not mean the importance of agriculture has declined rather dependence of other sectors on agriculture has increased manifold.

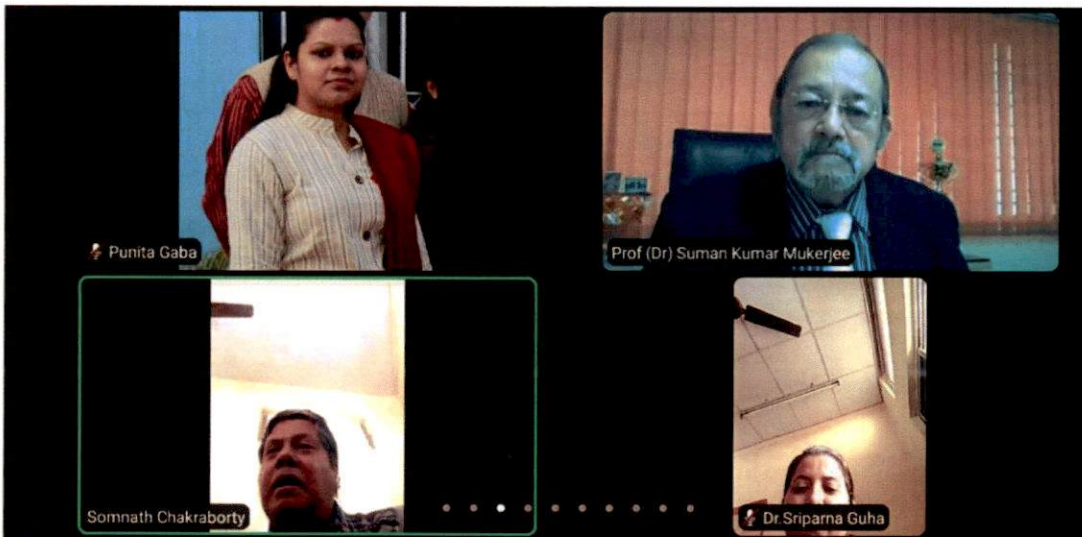
Prof. Mukerjee also said that a budget was placed to revive the crisis ridden economy to put it on the growth path. **He discussed on length regarding present economic conditions, GDP, entrepreneurship, innovation, market growth etc. More than 75 participants attended the session** and



Principal

cleared their doubts in the question answer session. **The webinar came to an end by a formal vote of thanks by Mr. Somnath Chakraborty.**

It was indeed a very interactive and thought provoking session and we certainly look forward to organise more such events in future.

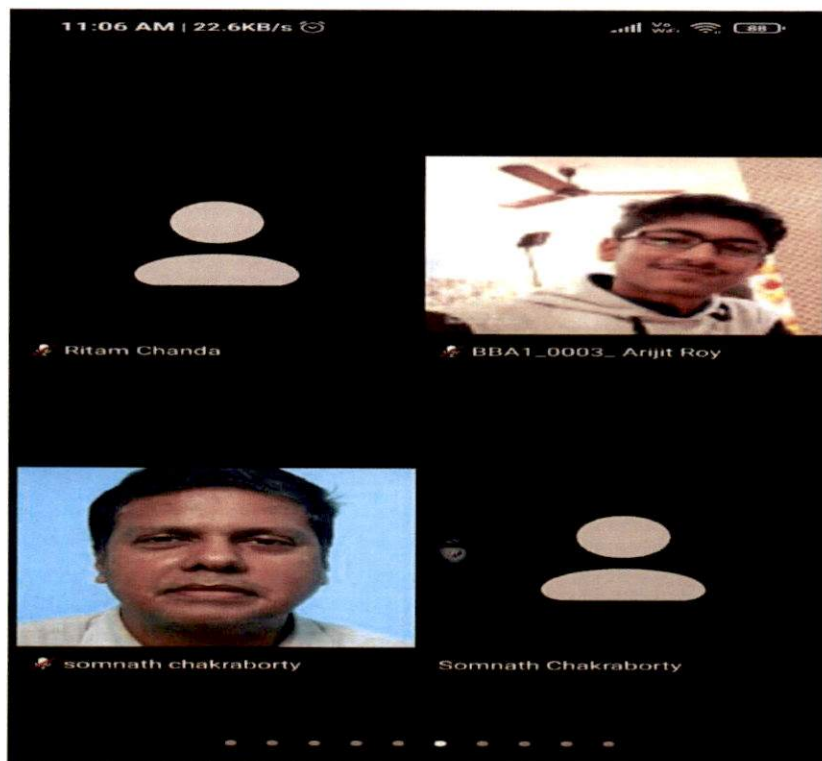


Audience along with Prof. (Dr.) Suman Kumar Mukerjee Dated: 04/02/2021



Prof. (Dr.) Suman Kumar Mukerjee presenting Dated: 04/02/2021





Audience attending the session Dated: 04/02/2021

WEBINAR ON

Central Budget 2021-a Macro View

ORGANIZED BY

Business Administration Department
Narula Institute of Technology



SPEAKER

Prof. (Dr.) Suman Mukerjee

Noted Economist, Analyst, Columnist, Corporate Trainer
Director General, The Bhawanipur Education Society College
Member, State Advisory Board of Education, GoWB
Attached with ASSOCHAM, CII, BCC&I and MCC&I
Former National Director, Ernst & Young.



4TH FEBRUARY, 2021 | 11.00 AM | THURSDAY

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NARULA INSTITUTE OF TECHNOLOGY
1, Niteuni Road, Agarpara, Kol-109

**Webinar on “Communication Engineering: Journey from Basics to SDR”
2nd February 2021. 2 PM**

Objective of the event: To create a knowledge base for students on communication Engineering right from basics to SDR.

Venue: Online mode

Speakers

1) **Dr. Sandhya Pattanayak**

Assistant Professor, Narula Institute of Technology, Kolkata

Number of participants: 90

Description of the Event:

The IETE Student Forum, Electronics and Communication Department of Narula Institute of Technology organised an online webinar - “Communication Engineering: Journey from Basics to SDR” at 2 PM on 2nd February 2021.

The event was facilitated by **Dr. Sandhya Pattanayak, Asst. Prof.-ECE Department, Narula Institute of Technology**. She completed her Ph.D from ETCE Department, Jadavpur University & her area of interest is Communication.

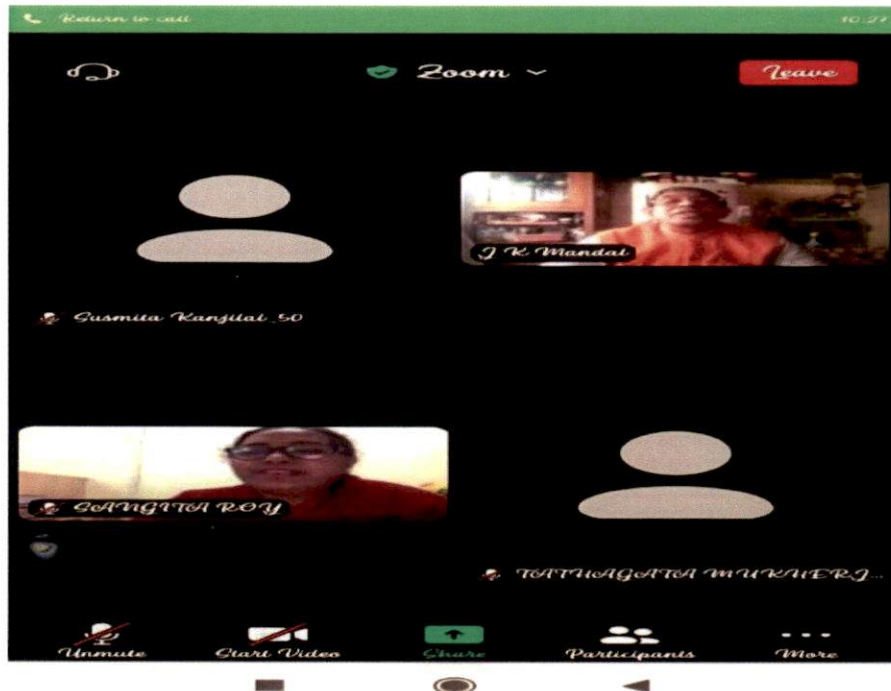
Dr. Saradindu Panda, Head- ECE Dept, NiT & Mrs. Sangita Roy, Asst. Prof.-ECE Department coordinated the session.

Dr. Pattanayak gave the current scenario of communication Industries and their requirements. She also pointed out the subjects students should stress from an application point of view. Prof.(Dr.) J.K Mandal, Chairman, IETE Kolkata also shared his views with the participants. Total 90 participants attended the program and interacted with the speaker and the Chairman. The session came to an end by the vote of thanks by the members of the organising committee.

Some pictures are attached herewith for your reference.



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#1, Nilguni Road, Agarpara, Kol-109



Audience attending the session Dated: 02/02/2021

A screenshot of a presentation slide titled "Frequency Translation". The slide contains a block diagram of a balanced modulator circuit. The input is a message signal $m(t)$ and a carrier signal $c(t) = \cos(\omega_c t)$. The output is a modulated signal $s(t)$ which is a DSB-SC signal. The diagram shows the signal passing through a "Balanced Modulator" and then to an "Antenna".

Let $m(t)$ is the baseband and $c(t)$ is the carrier

$$s(t) = m(t)Ac\cos\omega_c t$$

$$s(t) = AcAm\cos\omega_c t$$

$$s(t) = \frac{AmAc}{2} [\cos(\omega_c + \omega_m)t + \cos(\omega_c - \omega_m)t]$$

Where the $\cos(\omega_c + \omega_m)t$ is the upper sideband and the $\cos(\omega_c - \omega_m)t$ is the lower sideband

The slide also shows a list of participants on the right side of the screen, including SANGITA ROY (Host, me), sandhya, 33_SUKANYA CHATTERJEE, 4R_48_Anargha Roy Chowdhury, 53_Saptarshi Majumder, 6R_60-Sneha Ray, AKM, ANNESHA DEBNATH, ARPITA SANTRA, Ayanava Banerjee, Barnali Sikdar, ECE-3A-50, Chandni Chatterjee, and Debasree Das ECE roll-11.

Dr. Sandhya Pattanayak presenting Dated: 02/02/2021

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 51, Niloumi Road, Agarpara, Kol-109

Webinar

on

“Engineers in Real World” on 22nd December 2020, 8.00 PM

Objective of the event: To discuss with students the basic concept of Industrial needs, Trending Technologies, Skills required for the current engineers, etc’

Venue: Online platform

Speakers : Mr. Ratnadip Paul, Senior Developer and Data Analyst, Portland, Oregon, USA

Number of participants: 50

Description of the Event:

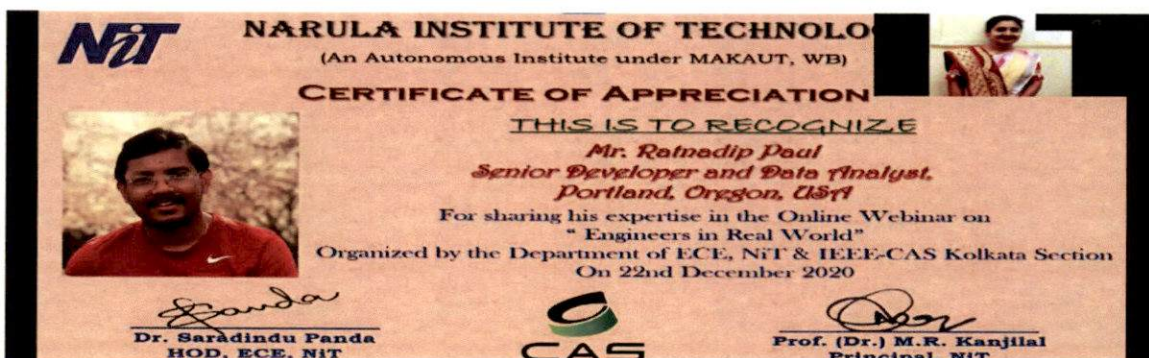
The Department of **Electronics and Communication Engineering, Narula Institute of Technology and IEEE-CAS Kolkata section** has conducted an **Online Webinar on “Engineers in Real World” on 22nd December 2020, 8.00 PM onwards.**

The session was facilitated by **Mr. Ratnadip Paul, Senior Developer and Data Analyst, Portland, Oregon, USA.** The online webinar was coordinated by **Dr. Saradindu Panda, Head- ECE Department.**

The lecture covered the basic concept of Industrial needs, Trending Technologies, Skills required for the current engineers, etc’.

Around 50 participants attended the webinar. The session was very much informative for the new aged students as well as faculties and staff members.

Some pictures are attached for your reference.

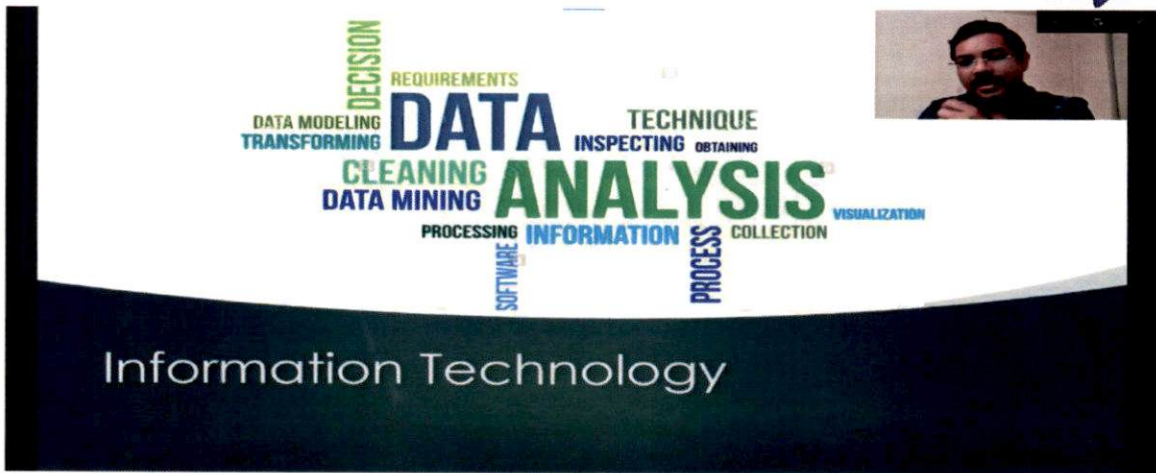


Session ongoing speaker being felicitated Dated: 22/12/2020.







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41, Nilmoni Road, Azarpada, Kol-10'



Session ongoing speaker being felicitated Dated: 22/12/2020.



WEBINAR


Engineers in Real World


Organized by
ECE Dept. NiT

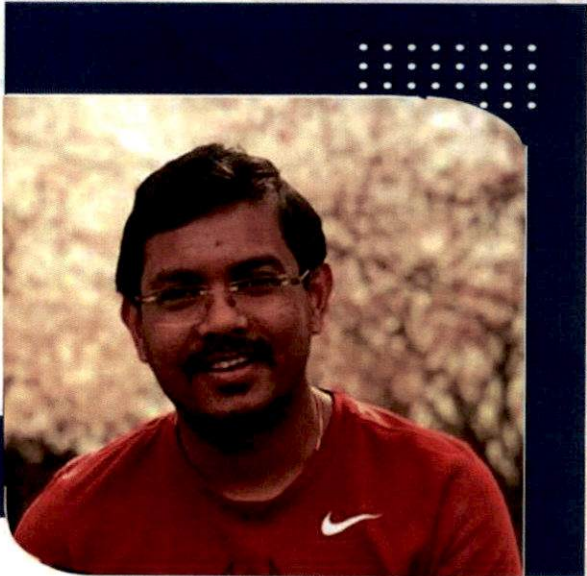
SPEAKER

Mr Ratnadip Paul

Business Analyst,
Cognizant Technology Solutions,
Oregon, USA

22nd December, 2020

8:00 PM | TUESDAY



NARULA INSTITUTE OF TECHNOLOGY
WWW.NIT.AC.IN

Speaker Mr. Ratnadip Paul Dated: 22/12/2020


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51, Nilmoni Road, Agarpara, Kol-100

“INDUSTRIAL AUTOMATION-The Engineering of Modern Industries”
under
Engineering College Student Chapter- Institute of Engineers (India)
26/09/2020

Objective of the event: To present key points on research on automations.

Venue: Online platform

Speakers : Mr. Satadru Banerjee, Founder and Lead Trainer of “Learn It All Academy”- An ISO 9001:2015 Organization, MSME Registered & Accredited by UASL,UK.

Number of participants: 96

Description of the Event:

The Department of Electrical Engineering of Narula Institute of Technology organized a webinar titled **“INDUSTRIAL AUTOMATION-The Engineering of Modern Industries”** under **Engineering College Student Chapter- Institute of Engineers (India) on 26thSeptember, 2020 from 11:00 AM to 1:30 PM over Google Meet platform.**

The speaker was Mr. Satadru Banerjee, Founder and Lead Trainer of “Learn It All Academy”- An ISO 9001:2015 Organization, MSME Registered & Accredited by UASL,UK.

Dr.Nabamita Banerjee Roy,Head-EE Department inaugurated the session and Prof.(Dr.)S.C. Konar,Dean(R&D) shared a few words regarding the necessity of the membership in ECSC-IE(I).

Total 96 participants attended the webinar. The speaker shared his experience and enlightened the students of B.Tech about the research on automation domains. The session was very interesting, and all the participants enjoyed and interacted with the speaker throughout the session.

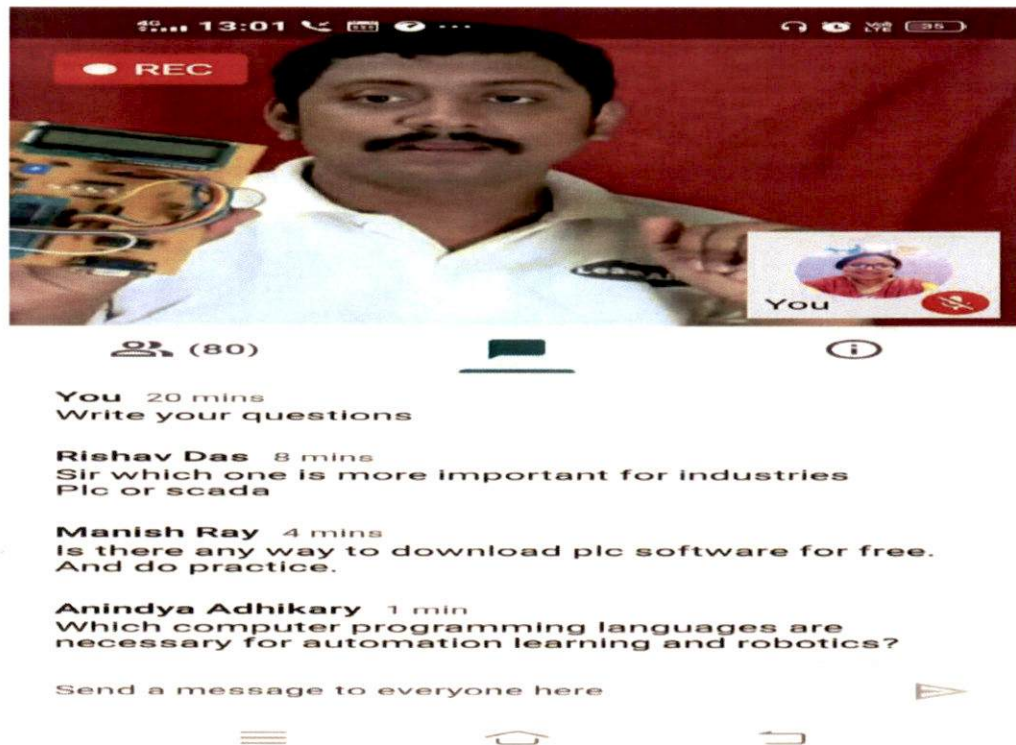
The webinar came to an end by the **vote of thanks by Prof. (Dr.) S.C. Konar, Dean(R&D) of Narula Institute of Technology.**

Few screenshots are attached herewith for reference.



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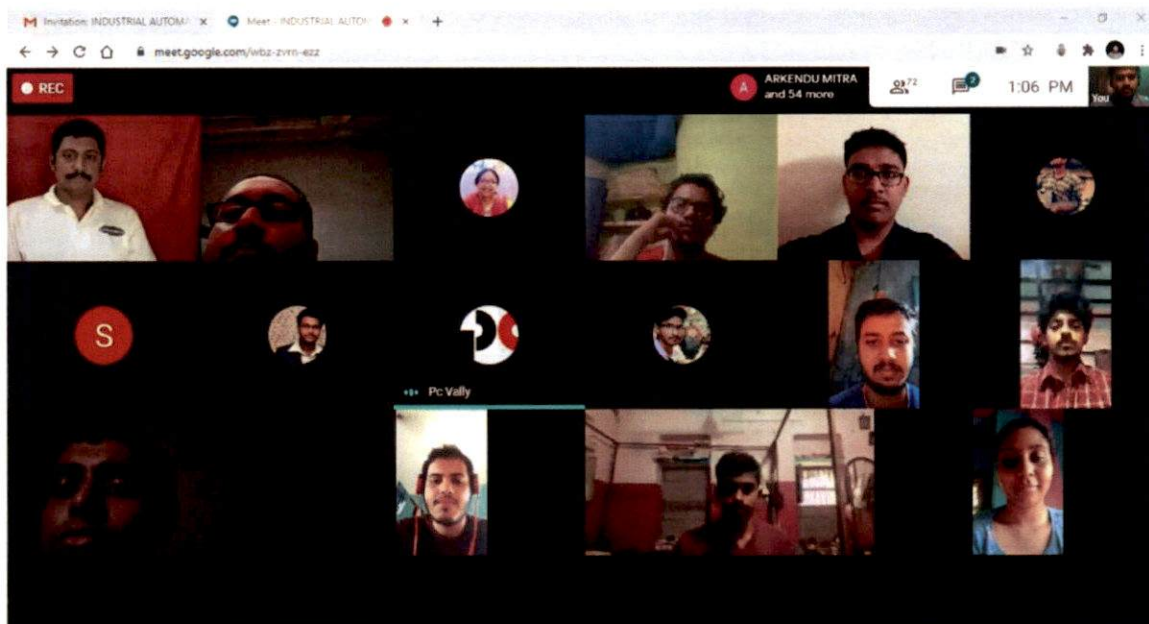


Speaker Mr. Satadru Banerjee taking the session Dated: 26/09/2020



Speaker Mr. Satadru Banerjee taking the session Dated: 26/09/2020





Session ongoing Dated: 26/09/2020

INDUSTRIAL AUTOMATION
The Engineering of Modern Industries
An online Industrial webinar under students chapter IE(I)
organized by
Electrical Engineering Department of
Narula Institute of Technology
Google Meet Link: meet.google.com/wbz-zvrm-ezz
Distinguished Speaker:
Mr. Satadru Banerjee
Founder and Lead Trainer of "Learn It All Academy"
An ISO 9001:2015 Organization
MSME Registered
Accredited by UASL, UK
26 Sept. 2020 | 11am onwards

Speaker Dated: 26/09/2020


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31, Nilguni Road, Agarpada, Kol-109

**Webinar on
5G Core Architecture and Use Cases
7 PM on 20th February, 2021.**

Objective of the event: Concept and the importance of 5G in Indian technological scenario.

Venue: Online platform

Speakers : *Mr. Avra Ghosh, Senior Solution Integrator, Ericsson India Global Services Pvt.Ltd*

Number of participants: 74

Description of the Event:

The IETE Student Forum, Electronics and Communication Department of Narula Institute of Technology organised an online webinar - 5G Core Architecture and Use Cases at 7 PM on 20th February, 2021. The date and time of the meet was informed and publicised through social media and beforehand preparations were made for the success of the meet.

The program was started with inaugural speech by Dr. Anilesh Dey-Head, ECE Department followed by Dr. J.K Mandal, IETE Kolkata, and Dr. J K Roy, IEEE CAS, Kolkata, Prof. Pallab Ganguly, IEEE ComSoc Chairman, Kolkata. Ms. Sangita Roy gave a welcome address to the respected dignitaries and students present. Dr. Sandhya Pattanayak, Convener IQAC Cell explained the importance of the Professional body in academics. Mrs. Moupali Roy, IEEE CAS Executive body emphasised on the role of organising webinar in COVID-19 situation.

The event was facilitated by Mr. Avra Ghosh, Senior Solution Integrator, Ericsson India Global Services Pvt.Ltd. He pointed to the importance of 5G in Indian technological scenario, and comparative analysis with respect to 1G-4G world statistics. He also gave a few examples of architecture and technology, industry, research areas.

A total of 74 students actively participated in the question answer session. The session came to an end by the vote of thanks by the members of the organising committee.





Some pictures and the report are attached herewith for your reference.



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51, Nileuni Road, Agarpara, Kol-109

REC avra ghosh is presenting

Advanced antenna technologies

Beamforming	Generalized beamforming
Serve single users by directing the energy toward the user.	Serve single users through sending the same data stream in different directions and possibly forming zero (nulls) in directions of other users.
	
a.	b.
SU-MIMO	MU-MIMO
Increase data rates by transmitting several data streams to a user.	At high load, serve more users simultaneously.
	
c.	d.

Meeting details

Meeting controls: Mute, Video, Chat, Raise hand, Turn on captions, avra ghosh is presenting

Session ongoing Dated: 20/02/2021

REC

Meeting grid showing participants: Sangita Roy, Avra Ghosh, Sandhya Pattanayak, Jyotirmay Moudgal, Subrata Mazumder, Anik Basak, Indrani Sen Gupta, Mainak Dey, Abhishek Nlogi.

Meeting details

Meeting controls: Mute, Video, Chat, Raise hand, Turn on captions, Present now

Session ongoing Speaker Mr. Avra Ghosh, Dated: 20/02/2021



Session ongoing Speaker Mr. Avra Ghosh, Dated: 20/02/2021



WEBINAR ON

5G CORE ARCHITECTURE AND USE CASES

ORGANIZED BY

Dept. of ECE

Narula Institute of Technology



SPEAKER

Mr. Avra Ghosh

Senior Solution Integrator
Ericsson India Global Services Pvt. Ltd



20TH FEBRUARY, 2021 | 7.00 PM | SATURDAY

www.nit.ac.in

Speaker Mr. Avra Ghosh, Dated: 20/02/2021

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"Automotive Application Software Development for Embedded System"

on

13th March 2021 from 11AM onwards.

Objective of the event: To illustrate the automotive application and processes.

Venue: Online platform

Speakers : *Mr. Abhisek Juneja, a Systems Engineer at Tata Consultancy Services and also an alumni, NIT.*

Number of participants: 93

Description of the Event:

The **Electronics and Communication Engineering Department of Narula Institute of Technology** have successfully conducted a Webinar on the topic **"Automotive Application Software Development for Embedded System"** on **13th March 2021** from 11AM onwards.

The **resource person of this Webinar was Mr. Abhisek Juneja, a Systems Engineer at Tata Consultancy Services and also an alumni, NIT.**

Mr. Juneja illustrated the automotive application and related processors in a very informative and interactive way. He also explained the **applications of the embedded processors and IoT, like SCADA networks, embedded controllers etc.**

Students from the ECE Departments of our college along with the faculty members have taken part in this program. **More than 93 participants registered in this webinar and also asked some interesting questions** in the interactive session. Overall it was an interesting session to attend with.

Some of the glimpses of the webinar are attached herewith.

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41, Nilgani Road, Agartara, Kol-100

NIT Promotes Digital Education
#GharPePadhaCoronaSayLadai

WEBINAR ON

CAS GRSS

**AUTOMOTIVE APPLICATION
SOFTWARE DEVELOPMENT FOR
EMBEDDED SYSTEM**

Mr. Abhisek Juneja
System Engineer
TCS

Organized by
Dept. of ECE

13th March
2021
11.00 AM Onwards

Alumni of ECE
Department

NARULA INSTITUTE OF TECHNOLOGY

Speaker Mr. Abhisek Juneja, Dated: 13/03/2021

COMPANIES THAT ARE LOOKING FOR STUDENTS LIKE YOU
(Larger the Logo, More the Number of Opportunities)

Tech Mahindra
TATA
TATA CONSULTANCY SERVICES
Cognizant
KPIT
Continental
JOHN DEERE
HCL
HCL TECHNOLOGIES
BOSCH
HARMAN
A SAMSUNG COMPANY

Session ongoing , Dated: 13/03/2021



<p style="text-align: center;">SKILLS THAT INDUSTRY ASSUMES YOU ALREADY HAVE</p>	<p style="text-align: center;">SKILLS THAT INDUSTRY ATTEMPTS TO TEACH YOU</p>	
<ul style="list-style-type: none"> • EMBEDDED SYSTEMS • C/C++ • DIGITAL & ANALOG ELECTRONICS CONCEPTS • MATLAB, SIMULINK • CHIP/BOARD LEVEL COMMUNICATION (SPI, I2C, USART) • SENSORS/ACTUATORS – TYPES & APPLICATIONS • MICROPROCESSOR/MICROCONTROLLER – THEORY & APPLICATIONS • SIGNAL PROCESSING, FILTERING & DE-NOISING <p>If lack knowledge of these Topics, Start Binge Watching Dave Jones (EEVblog) on YouTube</p> 	<ul style="list-style-type: none"> • AUTOMOTIVE DOMAIN KNOWLEDGE • 'C' CODING STANDARD & GUIDELINES • MODELLING STANDARDS & BEST PRACTICES • CONVERTING BUSINESS REQUIREMENTS TO WORKING SOFTWARE • AUTOMOTIVE COMMUNICATION PROTOCOLS (CAN, LIN, K-LINE) • MATLAB/PYTHON AUTOMATION <p style="text-align: center;">&</p> <ul style="list-style-type: none"> • LOTS, LOTS OF PATIENCE (REQUIRED FOR READING DATASHEETS, WHITEPAPERS & MANUALS) 	

Session ongoing , Dated: 13/03/2021

A screenshot of a Zoom meeting grid view showing approximately 25 participants in a 5x5 layout. Each tile shows a participant's video feed and their name at the bottom. The names include: Soham Ghosh, Abhishek Ghosh, DR ANBESH DEV, Sahrajit Goswami, Subhrajit Kar, 12 Anitra Das, 06 Swastik Chak..., Abhishek Ghosh, Abhishek Anand, Raja Mitra, Srabani Das (Roy), Abhishek Anand, Soumen Pal, Poulom Ghosh, 31 Animesh Das, 134 Soumya Abiraj, debayan mark, 04 Soumya Samra, Pooja, 41, 63 Animesh Pras..., 31 anikta ghosh, (22)Aditya Mon..., and Neha Kumari 097.

Session ongoing , Dated: 13/03/2021


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 51, Nilgunj Road, Agarpara, Kol-109

"Blockchain – A Technology Revolution for Smart Transactions"
19th December, 2020

Objective of the event: To describe about the blockchain technology with students.

Venue: Online platform

Speakers : Dr. S C Jain, Professor, CSE Department, Chairperson, Department Research Committee of CSE, Rajasthan Technical University, Kota

Number of participants: 54

Description of the Event:

The Narula Institute of Technology has organized a webinar on "Blockchain – A Technology Revolution for Smart Transactions" on 19th December, 2020 from 4 PM onwards. Dr. S C Jain, Professor, CSE Department, Chairperson, Department Research Committee of CSE, Rajasthan Technical University, Kota, an eminent academician was the speaker of the session. Total 54 students and faculty attended the session.

Topics covered in the session are:

Issues with current Banking Systems

Cyber Crime & Other Issues

Revolutionary Concepts

Blockchains & Public Ledgers

Blockchain Working

- *Digital Wallet*
- *Cryptography*
- *Miner*
- *Consensus*

Blockchain Versions

Cryptocurrency Solutions

Bitcoin Introduction

Blockchain Resolution

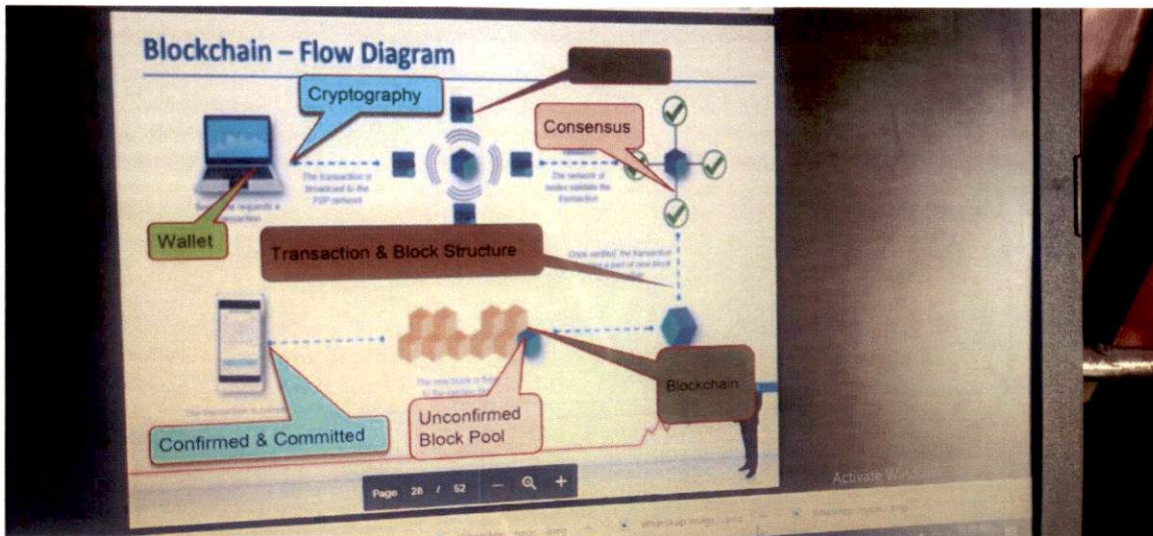
All the departmental faculties and students and few faculties and students from CSE & IT departments participated in the session.

The webinar continued for one and a half hours with different aspects on learning Blockchain. The webinar helped the participants to gather information about the various aspects and scopes of Blockchain.

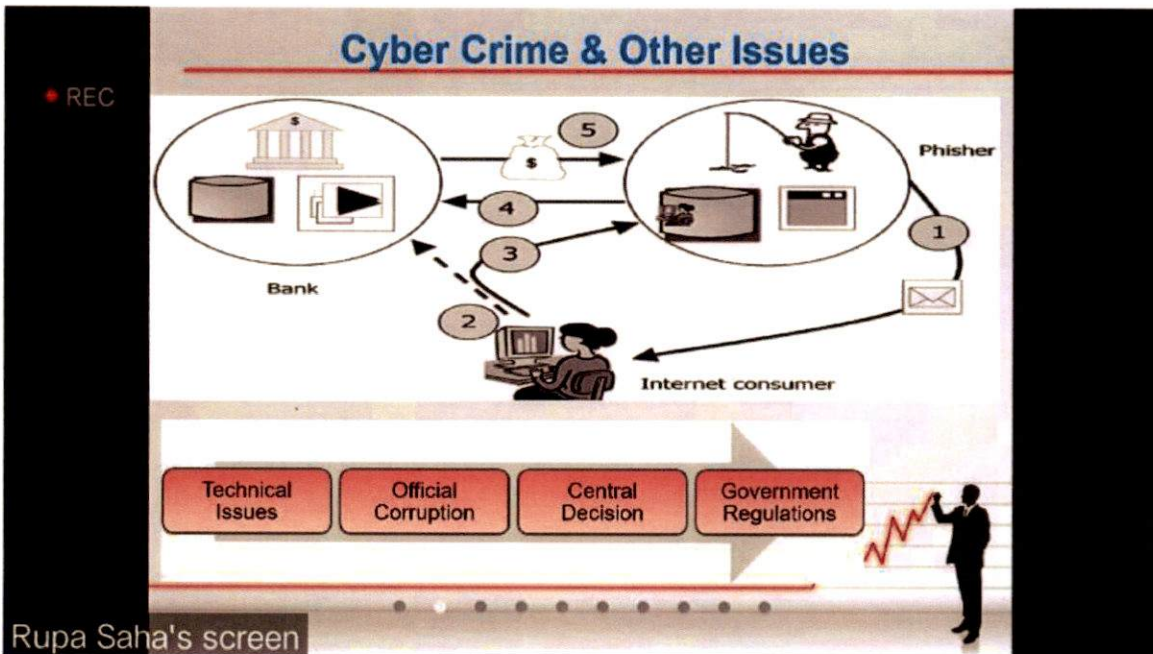


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Session ongoing, 19/12/2020



Session ongoing, 19/12/2020

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 31, Nilguni Road, Agarpara, Kol-109



Webinar on Building a Global Career in Today's Corporate World"

27th February,2021

Objective of the event: Enhance knowledge on how to build a Global career in today's Corporate World

Venue: Online platform

Speakers : Mr. Rupesh Kumar Singh, Assistant Vice President-CITI BANAMEX

Number of participants: 100

Description of the Event:

The **Electrical Engineering Department of Narula Institute of Technology has organised a webinar on "Building a Global Career in Today's Corporate World" on 27th February,2021** through the online mode.

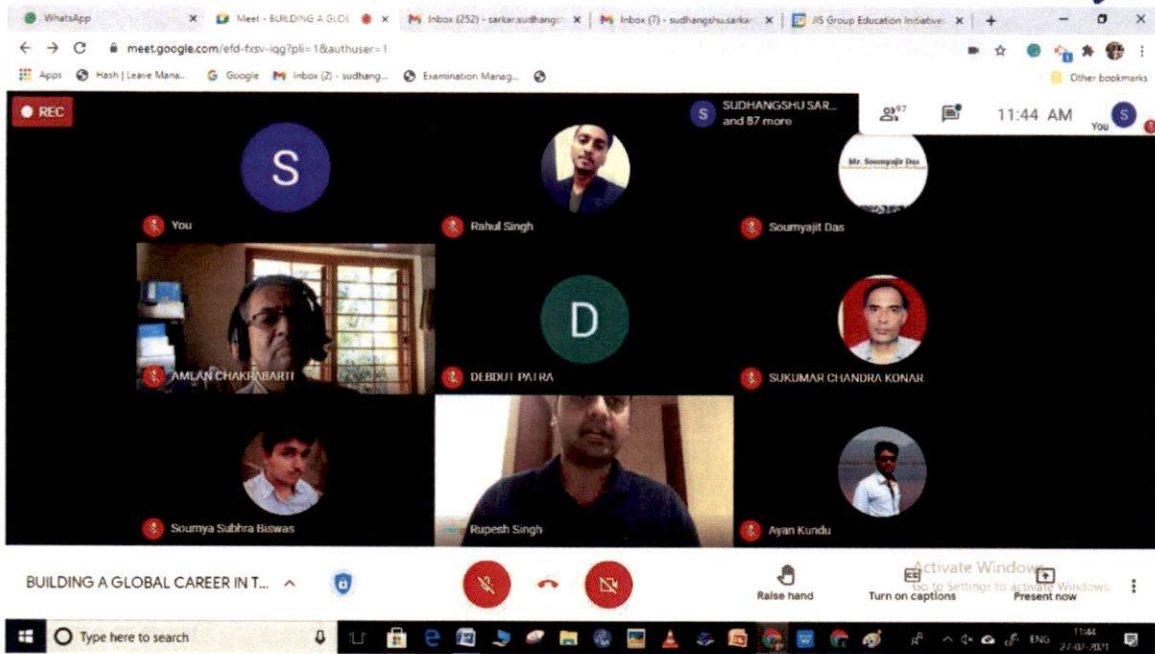
The **speaker for the session was Mr. Rupesh Kumar Singh, Assistant Vice President-CITI BANAMEX and also an alumni of this institute.** He has more than 10 years of experience in various roles ranging from application, developer, business analyst & an expert in various digital domains. **The programme was hosted by Soumya Subhra Biswas who is a student of B.Tech EE 4th year of this institute & coordinated by the faculty members of the EE Department.**

The **welcome speech was delivered by Prof. (Dr.) Bishaljit Paul, EE Dept followed by Prof. (Dr.) S. C. Konar, Professor-EE Dept.** They shared different prospects & ways to build a career in the corporate world in the Engineering & science domain.

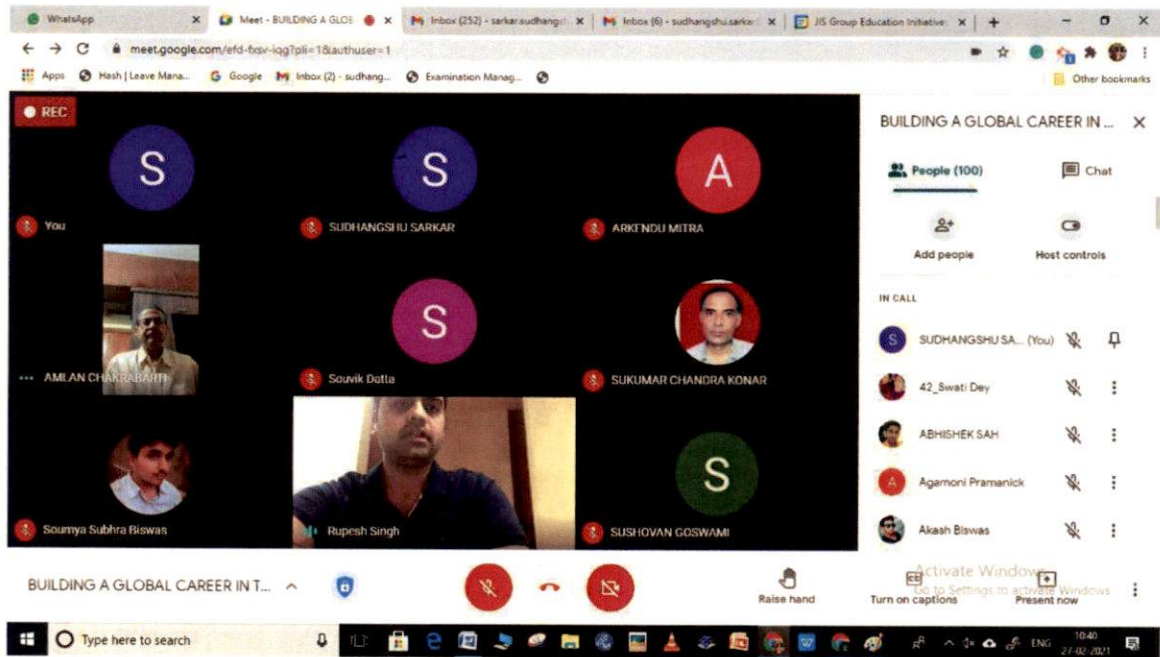
Mr.Singh discussed different programming language & software development & shared his how to build a Global career in today's Corporate World.He emphasized on people interaction, language skill & attitude in job scenario. More than 100 participants attended the webinar including students, faculty and staff members.

The session came to an end with the **Vote of Thanks by Prof. Amlan Chakrabarti, COE - NiT.**

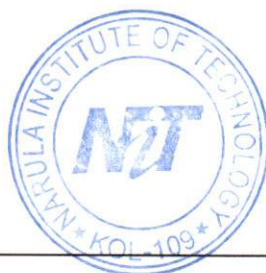
Principal
NARULA INSTITUTE OF TECHNOLOGY
81, Nilguni Road, Agarpara, Kol-109



Audience along with Mr. Rupesh Kumar Singh : Dated: 27/02/2021




Audience along with Mr. Rupesh Kumar Singh : Dated: 27/02/2021



BUILDING A GLOBAL CAREER IN TODAY'S CORPORATE WORLD

An Online Interactive Webinar
Organized by
Electrical Engineering Department of
Narula Institute of Technology



27 Feb. 2021 | **10:00 am Onwards**

RUPESH KUMAR SINGH
Assistant Vice President
CITI BANAMEX

Coordinators: Dr. Bishaljit Paul (HOD EE Dept., NIT)
Prof. Amlan Chakrabarti (COE, NIT)
Mr. Pallav Dutta
Mr. Sudhangshu Sarkar
Mr. Subhra Mukherjee
Mr. Sushovan Goswami
Mr. Arkendu Mitra

Speaker Mr. Rupesh Kumar Singh : Dated: 27/02/2021



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NARULA INSTITUTE OF TECHNOLOGY
1, Nilgiri Road, Agarpara, Kol-109



**Webinar on 'Building Information Modelling (BIM) Using REVIT Software'
3rd October, 2020**

Objective of the event: To enhance the knowledge of student on the knowledge of design software packages.

Venue: Online platform

Speakers : Shri Koutav Sandel, Founder of "Imagiminds Cadd & Engineering Solutions, A CADPOINT AUTHORIZED Training Institute.

Number of participants: 58

Description of the Event:

The Department of Civil Engineering of Narula institute of technology has organized a webinar on 'Building Information Modelling (BIM) Using REVIT Software' on 3rd October, 2020 from 4pm onwards.

The Guest Speaker of the webinar was Shri Koutav Sandel, Founder of "Imagiminds Cadd & Engineering Solutions, A CADPOINT AUTHORIZED Training Institute.


In this session Mr. Sandel, enlightened about Revit BIM software, the main highlights of the discussion are as below.

- It is a digital design software package. It allows to create models and drawings, with a focus on the core tenets of building information modelling.
- As such, Revit is a design software package. Most architects and engineers have used such packages before, which means the basics of the Revit software should feel familiar for most of the people. The real difference is that Revit places more of a focus on the architectural sector. Where packages like Maya and 3DS Max offer general model design functionality, Revit caters to the specific needs of architects and engineers. Of course, the software also incorporates BIM.
- The relationship between 2D and 3D drawings is a key element in Revit. Other digital design software packages require to create these drawings separately.
- The Revit BIM software resolves this issue through the relationship it creates between 2D and 3D drawing

He also demonstrated a hands on practice on REVIT.

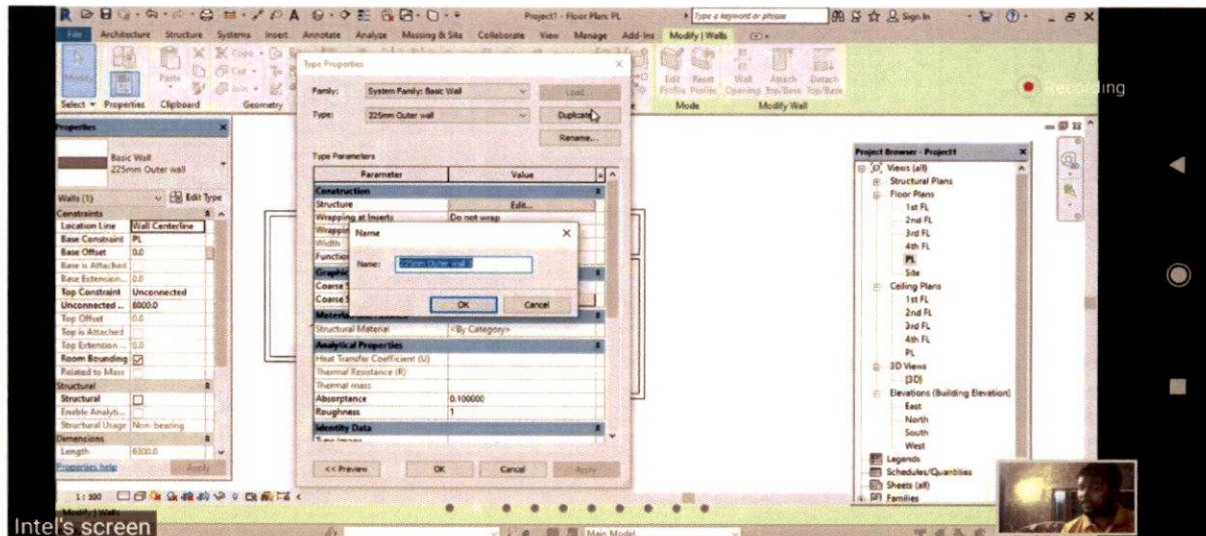
Around 50 student and faculty participated and enquired about various queries related to this topic.

The snapshots are enclosed herewith for your kind perusal.


Principal
NARULA INSTITUTE OF TECHNOLOGY
1, Nileuni Road, Aarapura, Kol-109



Session ongoing: Dated: 03/10/2020



Session ongoing: Dated: 03/10/2020

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



**Webinar on “College to Corporate” under Engineering College Student
Chapter- Institute of Engineers (India)
17th October,2020 , 6:30PM**

Objective of the event: To go for a skill development session for the students for reducing the gap between industry and academia

Venue: Online platform

Speakers : *Ms. Oindrila Saha, System Engineer, Tata Consultancy Services Ltd. and Alumni of the Department of Electrical Engineering (2012-2016).*

Number of participants: 50

Description of the Event:

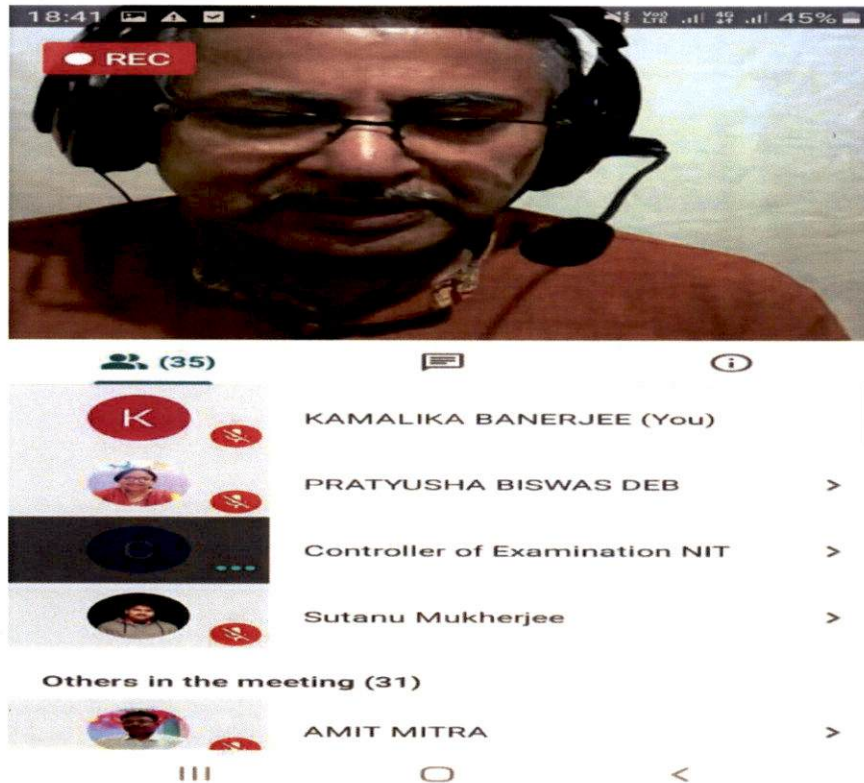
The Department of **Electrical Engineering** of **Narula Institute of Technology** organized a webinar titled “College to Corporate” under **Engineering College Student Chapter- Institute of Engineers (India)** on **17th October, 2020** from **6:30 PM to 8:30 PM** over **Google Meet** platform.

The *speaker was Ms. Oindrila Saha, System Engineer, Tata Consultancy Services Ltd. and Alumni of the Department of Electrical Engineering (2012-2016).*

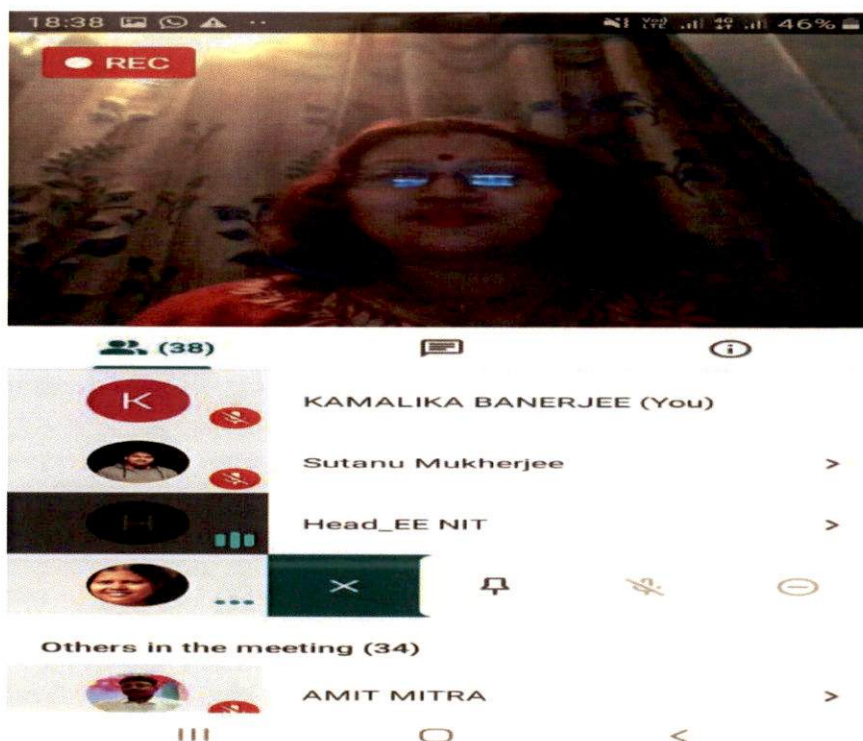
Dr.Nabamita Banerjee Roy, Head-EE department has inaugurated the session and a total 50 participants attended the webinar. The program has been coordinated by **Mrs. Pratyusha Biswas Deb, Assistant Professor-EE & Advisor -ECSC**

The speaker **shared her experience and enlightened the students of B.Tech., M.Tech. and Diploma about the gap between college and corporate domains.** The session was very interesting and enlightening where and all the participants enjoyed and interacted with the speaker throughout the session. The session came to an end by the **vote of thanks** by **Prof. Amlan Chakrabarti, CoE-Narula Institute of Technology.**

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51, Nilguni Road, Agarpara, Kol-109



Session on going Dated: 17/10/2020



Session on going Dated: 17/10/2020





“COLLEGE TO CORPORATE”

An online Webinar organized by
Department of Electrical Engineering
Narula Institute of Technology
Under students chapter IE(I)

Ms. Oindrila Saha

Alumni (2012-2016)
System engineer at
Tata Consultancy Services Ltd



17th Oct | 06:30 PM
2020 | onwards

Co-Ordinator: Ms. Pratyusha Biswas Deb [Advisor, ECSC-IE(I)Assistant professor-EE]

Speaker *Ms. Oindrila Saha* Dated: 17/10/2020



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Webinar

“Data Science and Industry Trends”

20th March 2021

Objective of the event: To present the current Industry Trends to students

Venue: Online platform

Speakers : Mr. Binayak Goswami, an alumni ECE, Manager-AI/ML, Ernst & Young.

Number of participants: 50

Description of the Event:

The **Department of Electronics and Communication Engineering, Narula Institute of Technology, Alumni association of NIT, IEEE_GRSS_Kolkata Section, IEEE-CAS Kolkata section and IETE student Branch ECE has conducted an Online Webinar on “Data Science and Industry Trends”** on 20th March 2021 from 10.15 AM onwards. The online webinar was coordinated by Dr. Anilesh Dey Head, ECE Department, Ms. Moupali Roy ECE Dept, Ms. Rimpi Datta, ECE dept and Mr. Bholanath Pal ECE.

The session was facilitated by Mr. Binayak Goswami, an alumni ECE, Manager-AI/ML, Ernst & Young.

The lecture Started on the huge impact on interactions and the prerequisites of the subject as Statistics & Mathematics, Transformation Metrics, Cloud networks and specially on Python. Further **he emphasized on present Industry Trends taking into consideration on the following points:**

Prediction; Relieving human; Cloud platforms; Computer vision/OCR; Recommendation; Sales forecasting; Machine Learning for network; Chatbots etc.

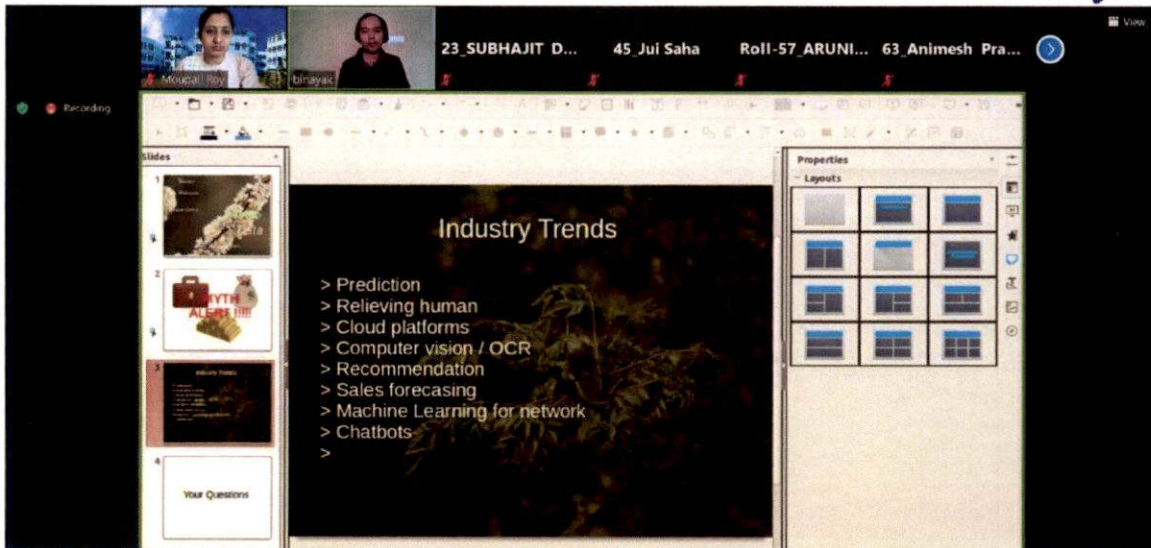
The overwhelming students interacted for their learning of the subject.

Around 50 participants attended the webinar. The session was very informative for the new aged students as well as the faculty and staff members.

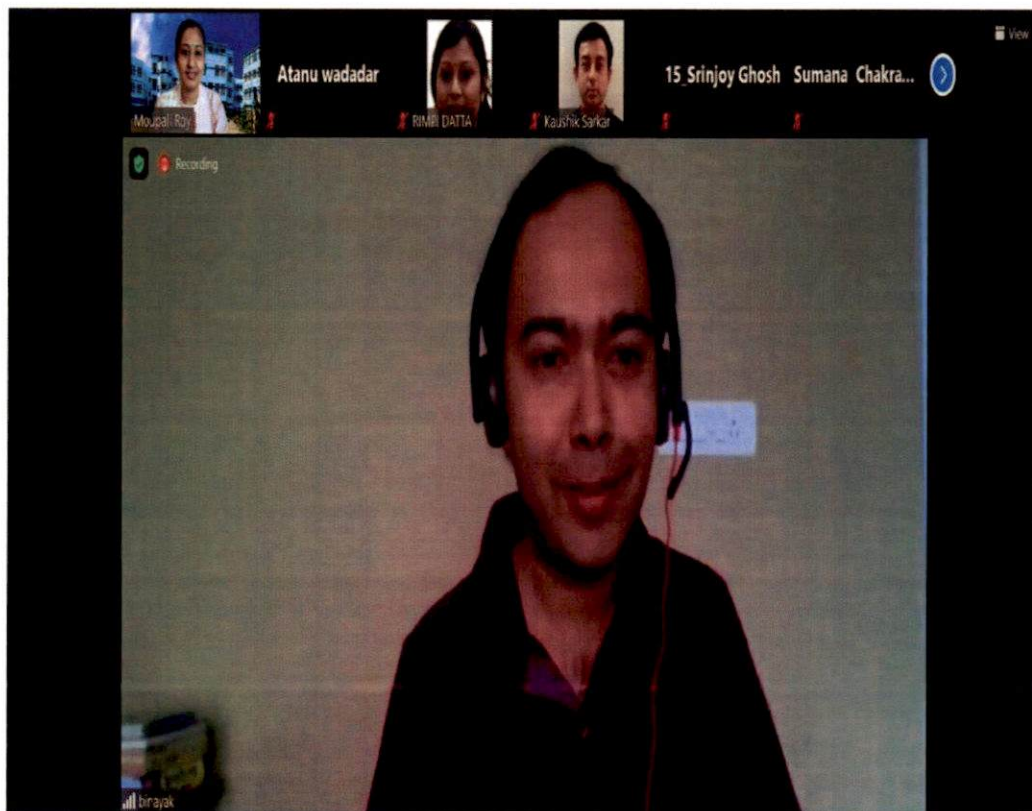
Please find herewith the attached screenshots.



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51, Nilgunj Road, Agarpara, Kol-109



Audience along with Speaker Mr. Binayak Goswami dated: 20/03/2021



Mr. Binayak Goswami presenting dated: 20/03/2021





WEBINAR ON

DATA SCIENCE AND INDUSTRY TRENDS

ORGANIZED BY

Department of ECE
Narula Institute of Technology



SPEAKER

Mr. Binayak Goswami
Manager AI/ML Ernst & Young
Alumni, NIT

20TH MARCH, 2021 | 11.00 AM
www.nit.ac.in

Mr. Binayak Goswami dated: 20/03/2021

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

**Webinar
on
"Data warehouse and BI development"
21st December 2020**

Objective of the event: To enhance the knowledge of the students on the Database and datawarehouse

Venue: Online platform

Speakers: Mr. Suparno Chatterjee, Team Lead, Tech Mahindra

Number of participants: 72

Description of the Event:

Narula Institute of Technology has organized a webinar on "Data warehouse and BI development" on 21st December 2020 from 6 PM onwards.

The session was facilitated by Mr. Suparno Chatterjee, Team Lead, Tech Mahindra and alumni, MCA-2010.

Topics covered in the session are:

Database and Data warehouse

Data warehouse Architecture

Data warehouse benefits

ETL Process

Data warehouse Schema

Dimension- Fact Model

Slowly Changing Dimension (SCD)

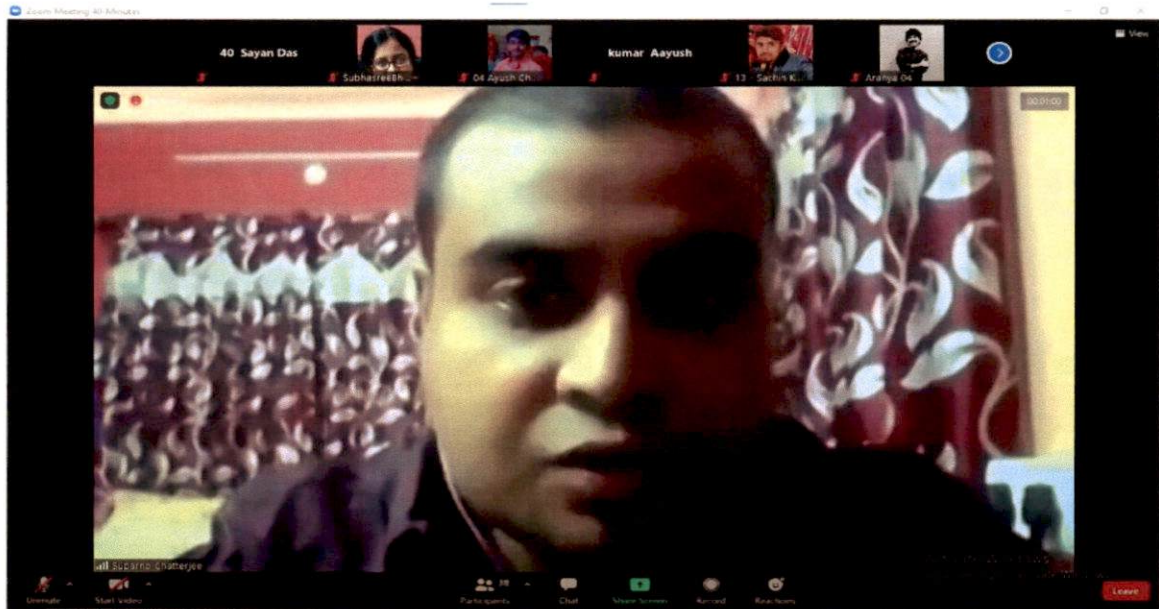
Business Intelligence

Sample Data warehouse Model

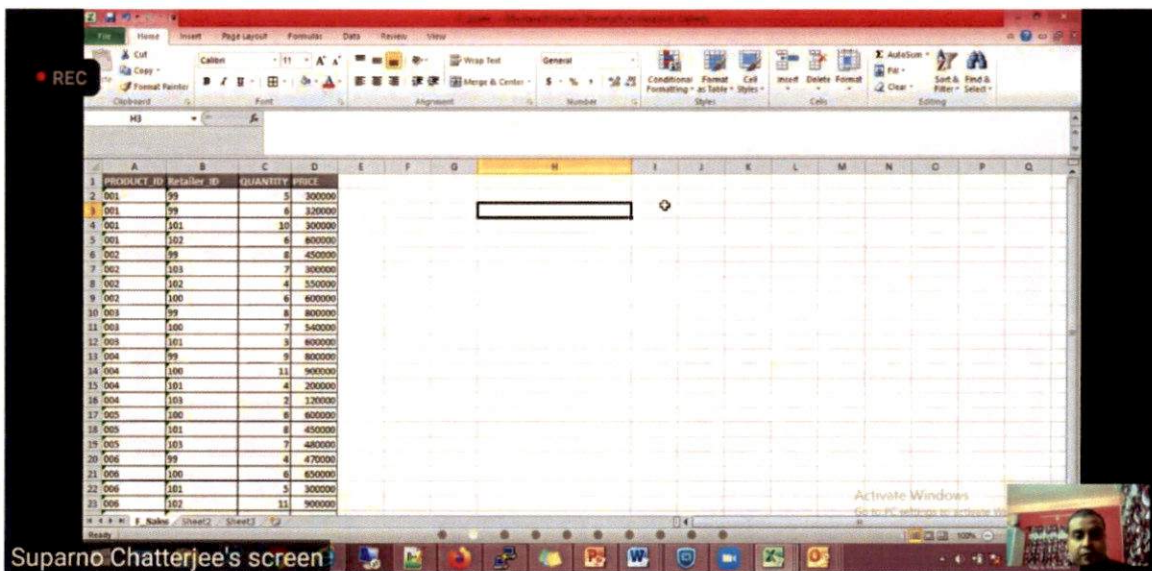
Students and all the departmental faculty members participated in the session. The session was very interesting. All the participants enjoyed and interacted throughout the session. It was coordinated by Ms. Debrupa Pal and Ms. Subhasree Bhattacharjee. A total of 72 participants attended the session.



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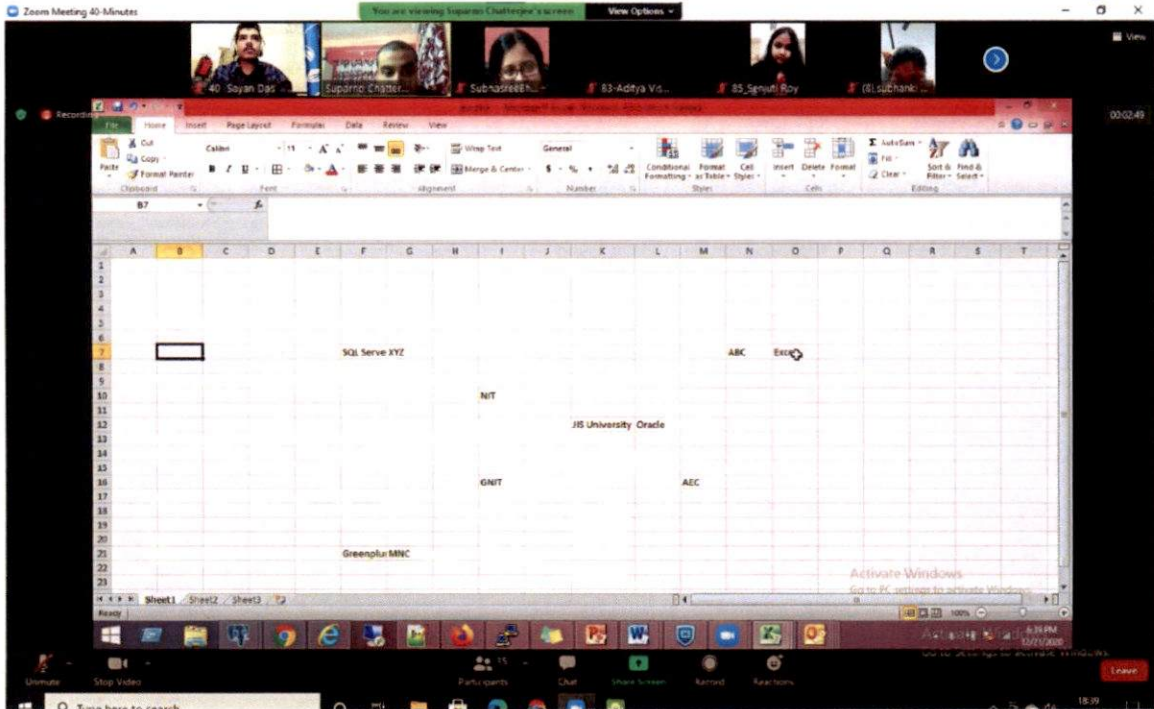


Session ongoing speaker Mr. Suparno Chatterjee Dated: 21/12/2020



Session ongoing Dated: 21/12/2020





Audience attending the session Dated: 21/12/2020

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“Database development, business intelligence development hot skills & IT experience”

5th December 2020 ,through Zoom.

Objective of the event: To present current Industry scenario in the field of Database development, business intelligence development.

Area of program: Program - “Database development, business intelligence, and real-time IT experience”;

Registration : No Registration Fees

Number of Participants: 70

Organising ISF Members- IETE STUDENT FORUM and ECE Dept

Venue: Online platform

Speakers : Mr. Dhiman Dey, CGI, Hyderabad as ETL Developer Team Lead.

Description of the Event:

The IETE Student Forum , Electronics and Communication Department of Narula Institute of Technology organised a **webinar on - “Database development, business intelligence development hot skills & IT experience” at 7 PM on 5th December 2020 ,through Zoom.**

The speaker of the session was Mr. Dhiman Dey. He is currently working in the CGI, Hyderabad as ETL Developer Team Lead (Banking domain). He is also an alumni of the 2014 batch of ECE Department, Narula Institute of Technology.

The session was very much informative. Students interacted with the speaker and Chairman , IETE Kolkata centre. Mr. Dey gave the current scenario of IT Industries and their requirements. He also pointed out the subjects students should stress from a job point of view. The session came to an end by the vote of thanks given by our teachers and members of the organising committee. Program - “Database development, business intelligence, and real-time IT experience”.

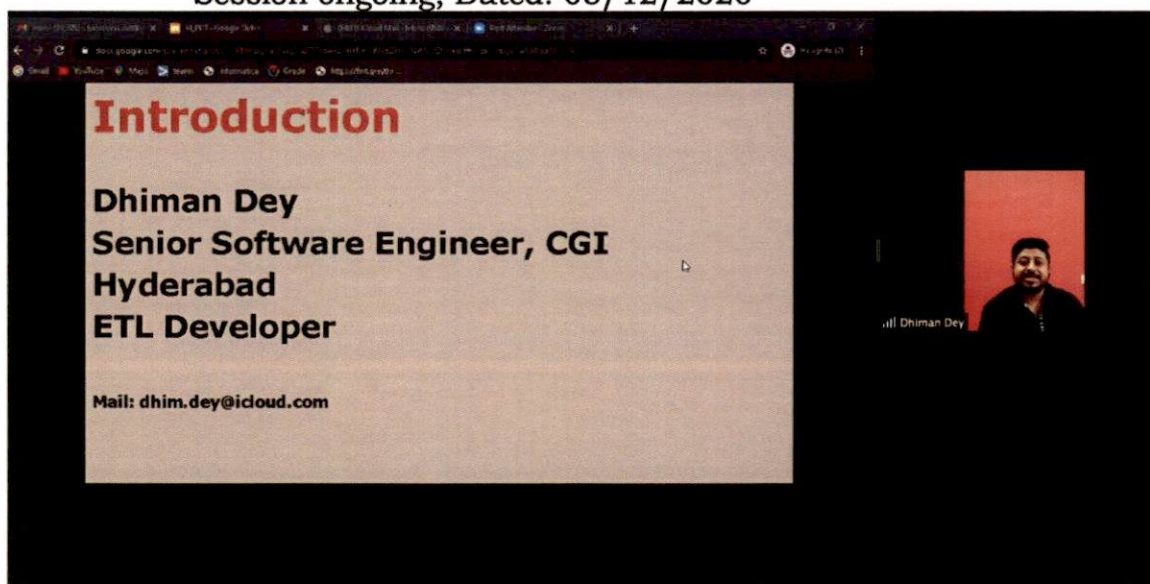
IETE Student Forum , Electronics and Communication Department of Narula Institute of Technology organised a webinar Online Program - “Database development, business intelligence, and real-time IT experience” at 7 p.m on 5th December 2020 ,through the Zoom Application.The topic was webinar on-“database development, business intelligence, and real time IT experience”.

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81, Nilgunj Road, Aarpara, Kol-100



Session ongoing, Dated: 05/12/2020



Speaker Dhiman Dey, Session ongoing, Dated: 05/12/2020



▶ WEBINAR

**DATABASE & BI DEVELOPMENT HOT SKILLS
& IT EXPERIENCE**

Organized by
Dept. of ECE
Under IETE Student Forum

SPEAKER

Mr. Dhiman Dey
ETL Developer, CGI, Hyderabad



Coordinator

Prof. Saradindu Panda
Prof. Sangita Roy

5th DECEMBER, 2020
7:00 PM | SATURDAY

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Speaker Dhiman Dey, Session ongoing, Dated: 05/12/2020

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**"Digital Transformation and Cloud Management Issues during COVID
Pandemic"**

7th November, 2020

3 PM onwards.

Venue: Online platform

Objective of the event: To discuss the necessity of digital transformation during the covid pandemic.

Venue: Online platform

Speakers : academician **Dr. Madhu Agnihotri, Assistant Professor and HOD, Department of Information Technology, Commerce, St Xaviers College Autonomous Kolkata.**

Number of participants: 76

Description of the Event:

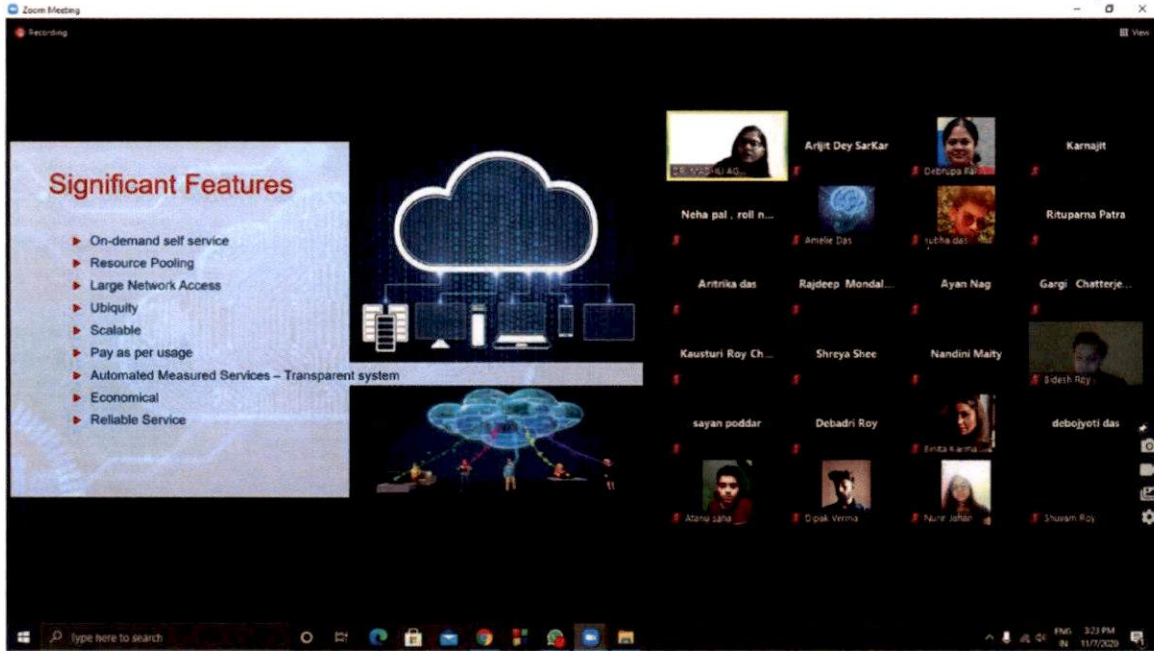
Narula Institute of Technology has organized a webinar on "Digital Transformation and Cloud Management Issues during COVID Pandemic" on 7th November, 2020 from 3 PM onwards.

The session was facilitated by an eminent academician **Dr. Madhu Agnihotri, Assistant Professor and HOD, Department of Information Technology, Commerce, St Xaviers College Autonomous Kolkata.**

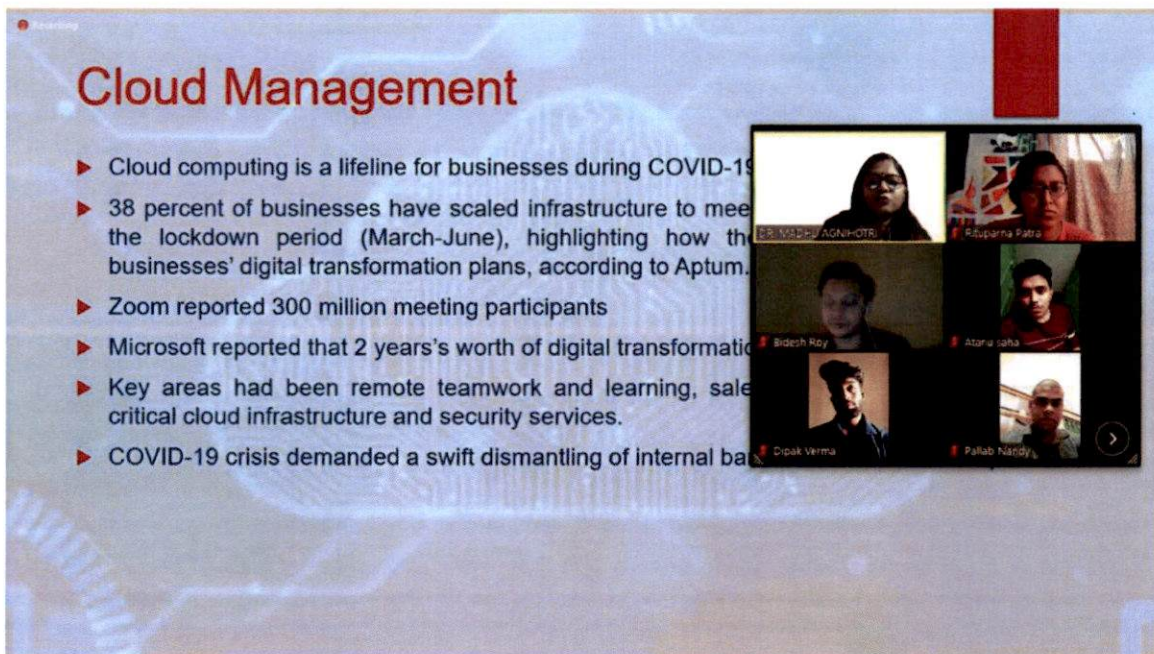
Topics covered in the session are:
Digital Transformation process and Cloud
Role of Cybersecurity in digital transformation initiative
Significant Features of Cloud computing.
Structure of Cloud computing.
Different service models
Cloud data security issues

Around 76 students and all the departmental faculty members participated in the session.The session was very interesting. All the participants enjoyed and interacted throughout the session.**It was coordinated by Ms Debrupa Pal and Ms Rupa Saha.**

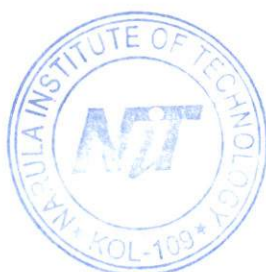
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81, Nilguni Road, Agarpara, Kol-109



Session ongoing: Dated: 07/11/2020



Dr. Madhu Agnihotri taking the Session Dated: 07/11/2020



Webinar on "Distributed Computing Environments"

4th December, 2020

Venue: Online platform

Objective of the event: To enhance the knowledge of students in the field of Distributed computing.

Venue: Online platform

Speakers : *Dr. Sunirmal Khatua, Assistant Professor, Dept of CSE, University of Calcutta*

Number of participants: 52

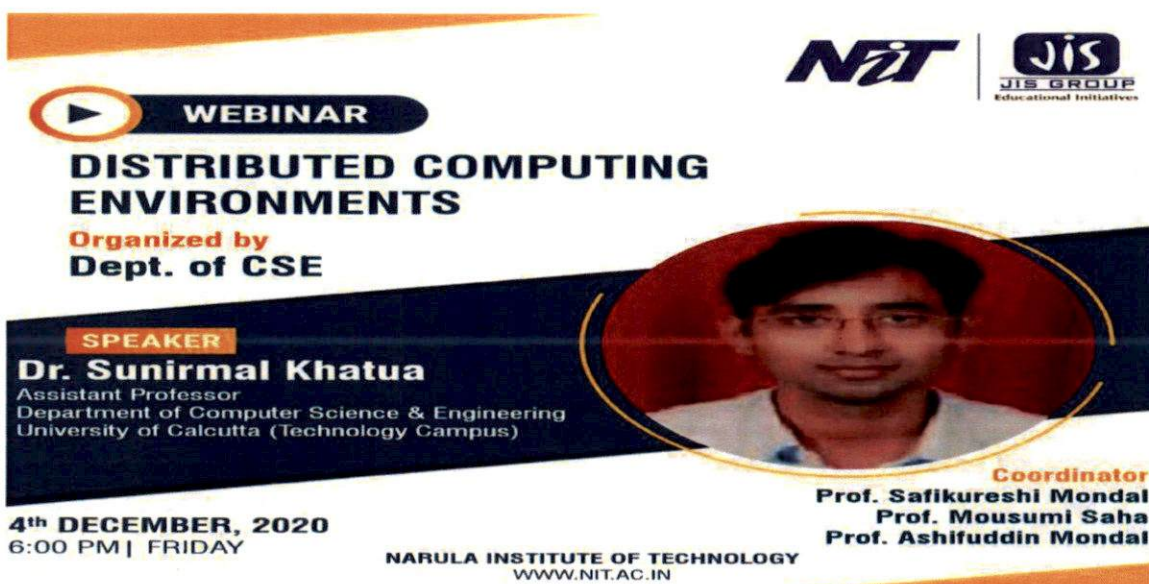
Description of the Event:

We are pleased to inform you that the **Department of Computer Science & Engineering of Narula Institute of Technology** has organized a Webinar session on "Distributed Computing Environments" on 4th December, 2020.

The resource person for the webinar was Dr. Sunirmal Khatua, Assistant Professor, Dept of CSE, University of Calcutta.

The program commenced with a Welcome Address by Mr. Safikureshi Mondal, CSE dept and Introduction to Speaker by Ms. Mousumi Saha, CSE. The Session was very much enjoyable and interactive. **Around 52 participants including students and faculty members attended this webinar.**

The entire program was coordinated by Mr. Safikureshi Mondal, Ms. Mousumi Saha & Md. Asifuddin Mondal, Assistant Professors, CSE.



The banner features the NIT logo and JIS Group logo at the top right. A play button icon is next to the word "WEBINAR". The main title is "DISTRIBUTED COMPUTING ENVIRONMENTS" in large, bold letters. Below it, it says "Organized by Dept. of CSE". A circular portrait of Dr. Sunirmal Khatua is shown. To the left of the portrait, it identifies him as the "SPEAKER" and provides his title and affiliation. To the right, it lists the "Coordinator" as Prof. Safikureshi Mondal, Prof. Mousumi Saha, and Prof. Ashifuddin Mondal. At the bottom left, the date and time are given as "4th DECEMBER, 2020 6:00 PM | FRIDAY". At the bottom center, the NIT name and website are listed.

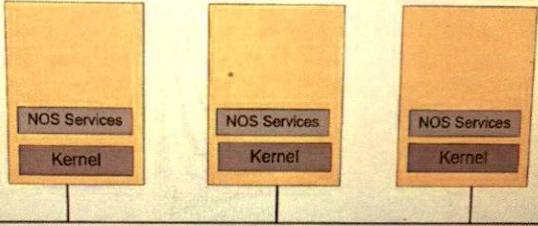

Speaker Dr. Sunirmal Khatua dated: 04/12/2020



What is Distributed System?

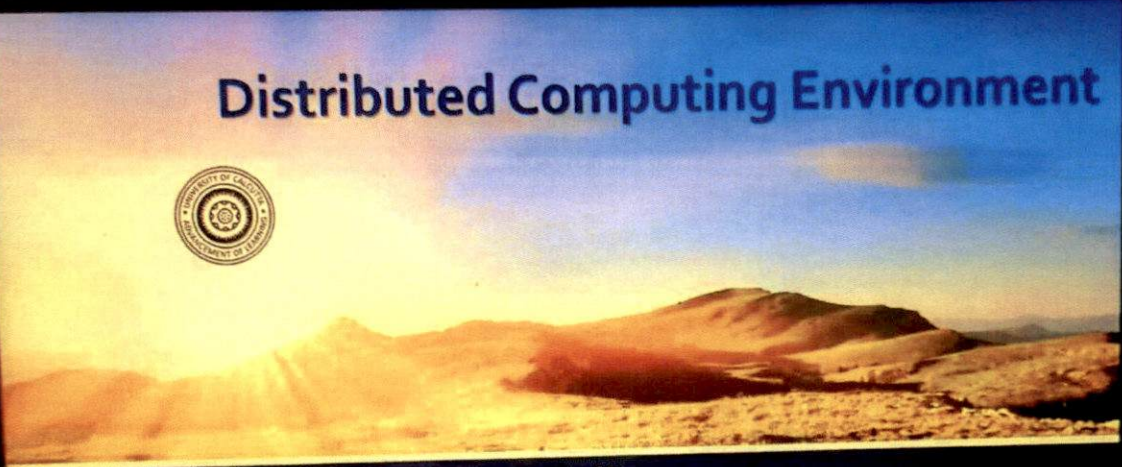

□ A Distributed System is a Collection of independent computers that appears to its users as a single coherent system.

- Multiple Processes
- Interprocess Communication
- Disjoint Address Spaces
- Collective Goal



Session ongoing, dated: 04/12/2020

Distributed Computing Environment



Presented By
Dr. Sunirmal Khatua
Visvesvaraya Young Faculty Fellow, Govt. of India
Assistant Professor, Dept. of CSE, University of Calcutta, India

Session ongoing, dated: 04/12/2020

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ARULA INSTITUTE OF TECHNOLOGY
51, Nileuni Road, Agarpara, Kol-109



**Webinar on "Data Science"
2nd September, 2020
6 PM onwards.**

Objective of the event: To make students and faculty aware about the latest trends in Data Science.

Venue: Online platform

Speakers : Dr. Loshma Guniseti, Associate Professor, CSE Department, Sri Vasavi Engineering College, Andhra Pradesh.

Number of participants: 60

Description of the Event:

Under the #GharPePadhaiCoronaSayLadhahi initiative by Narula Institute of Technology has organized a webinar on "**Data Science**" on **2nd September, 2020 from 6 PM onwards.**

The session was felicitated by an eminent academicians, **Dr. Loshma Guniseti, Associate Professor, CSE Department, Sri Vasavi Engineering College, Andhra Pradesh.**

Topics covered in the session are:

Relationship between Data Science, Artificial Intelligence, Machine Learning, and Deep Learning
Data Science Life Cycle
Components of Data Science
Need & Applications of Data Science
Pros & Cons of Data Science
A case study on finding air quality in India using Data Science

Around 60 students and all the departmental faculty members participated in the session. The session was coordinated by Ms Rupa Saha, and Ms Debrupa Pal and Ms Subhasree Bhattacharjee.

The webinar continued for almost 2 hours with different aspects on learning Data Science. It helped the participants to gather the information about the various aspects and scopes of Data Science. All the students participated enthusiastically & had endless queries regarding pursuing courses on this subject as well as in doing project work.

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NIT Promotes Digital Education
#GharPePadhai CoronaSayLadai

NIT | **JIS**
JIS GROUP
Educational Initiatives

WEBINAR ON ▶
Data Science

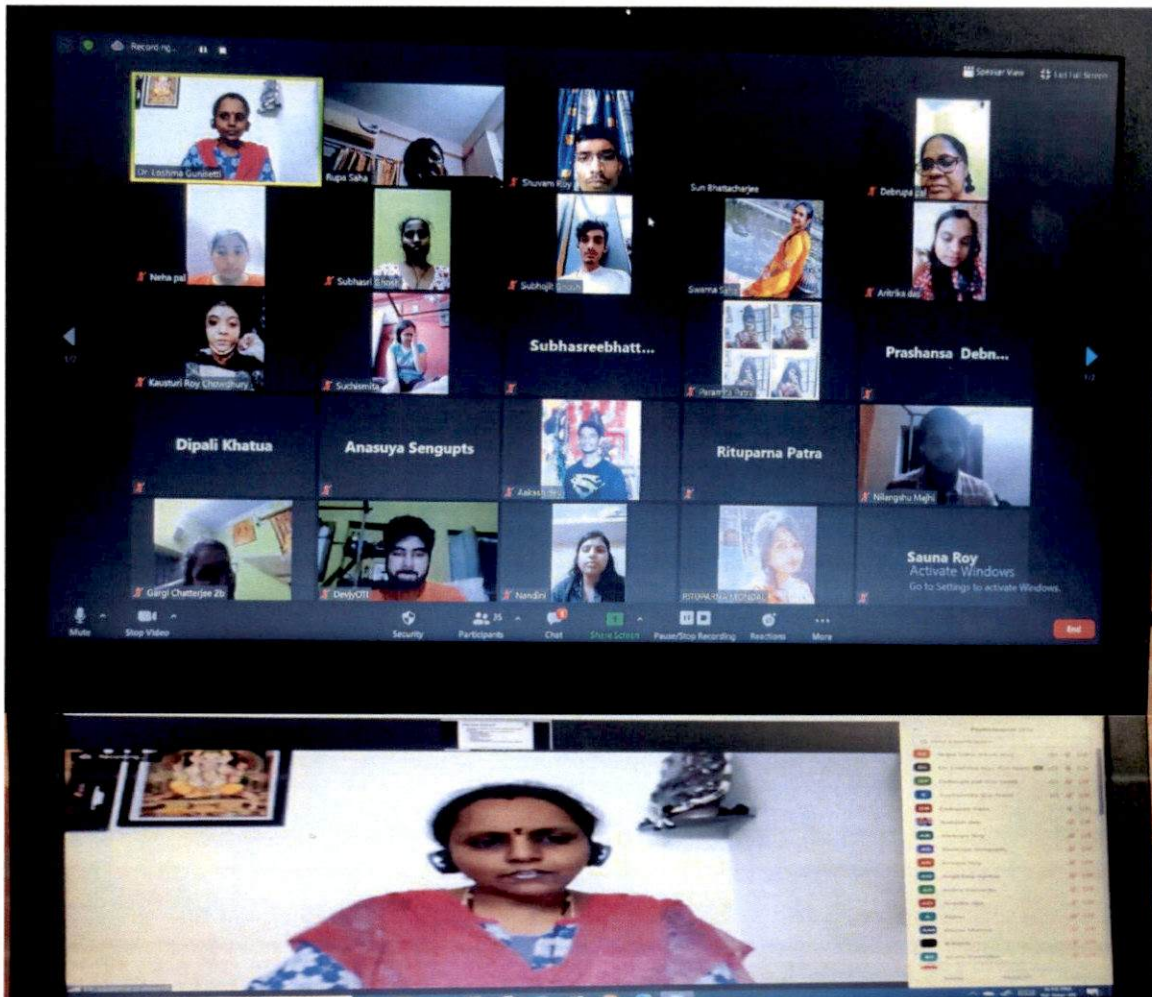
Dr. Loshma Guniseti
Associate Professor, CSE Dept
Sri Vasavi Engineering College
(Autonomous), Andhra Pradesh
Organized by
Dept. of CA

2nd Sept 2020
6.00 pm Onwards

Coordinators
Prof. Rupa Saha
Prof. Debrupa Pal
Prof. Subhashree Bhattacharjee

NARULA INSTITUTE OF TECHNOLOGY
WWW.NIT.AC.IN | 8902496650

Dr. Loshma Guniseti, speaker Dated: 02/09/2020



Audience along with Dr. Loshma Guniseti, speaker Dated: 02/09/2020

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31, Nilgunj Road, Agarpara, Kol-109



Webinar on "Security Issues in Electronic Payment"

28th May 2021

Venue: Online platform

Objective of the event: To discuss and enhance the knowledge of students on the security issues in the electronic payment systems.

Venue: Online platform

Speakers : Prof Ramit Kumar Roy, Assistant Professor, Department of Information Technology, St Xavier's College Autonomous Kolkata.

Number of participants: 100

Description of the Event:

Narula Institute of Technology has organized a webinar on "Security Issues in Electronic Payment" on 28th May 2021 from 10:30 AM onwards.

The session was facilitated by **Prof Ramit Kumar Roy, Assistant Professor, Department of Information Technology, St Xavier's College Autonomous Kolkata.**

Topics covered in the session are:

Advantages of e-payment

Importance of e-payment during a pandemic

How to keep our confidential information safe

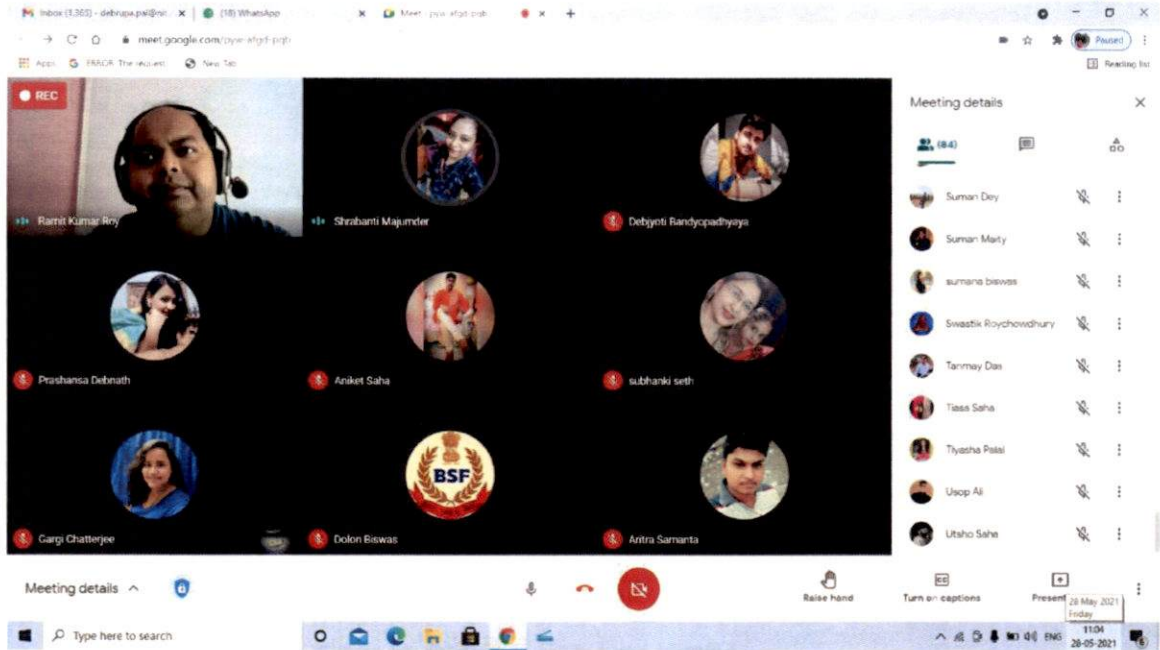
Common mistakes committed during online transactions

Measures to take if confidential information is leaked

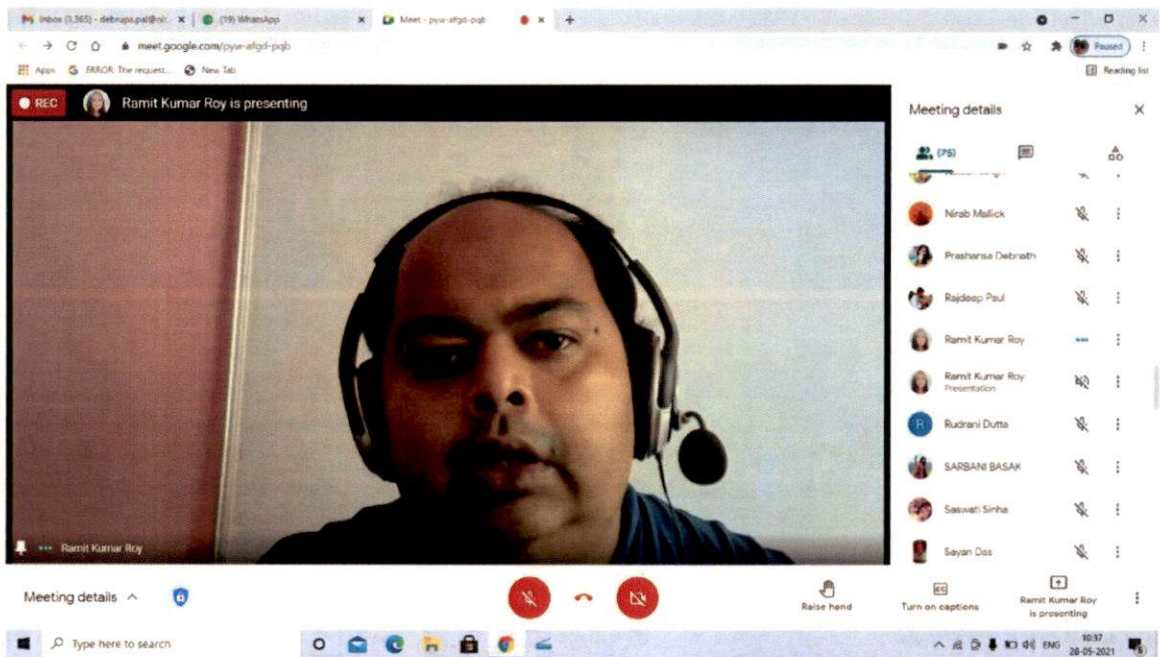
Around 100 students participated in the session. The session was very interesting and all the participants enjoyed and interacted with the speaker throughout the session. **It was coordinated by Ms. Debrupa Pal, Ms.Rupa Saha, Narula Institute of Technology**

Principal

NARULA INSTITUTE OF TECHNOLOGY
31, Nilguni Road, Agarpara, Kol-100



Session ongoing Dated: 28/05/2021



Speaker Prof Ramit Kumar Roy Dated: 28/05/2021



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ARULA INSTITUTE OF TECHNOLOGY
31, Niloumi Road, Agarama, Kol-10

Engineer's Week
(14-18 September,2020)

Venue: Online platform

Objective of the event: To pay tribute to the greatest Indian Engineer, Prof.Vishvesvara and knowledge giving sessions for students

Venue: Online platform

Speakers : Padmashree Prof.Ajoy Kr.Ray, former Director IEST Shibpur
Prof.Indranil Sengupta,IIT Kharagpur.

Number of participants: 100

Description of the Event:

Narula Institute of Technology observed **Engineer's Week (14-18 September,2020)** to pay tribute to the greatest Indian Engineer, Prof.Vishvesvara on the occasion of his birth anniversary on 15th September. This week-long initiative comprised of a series of lecture sessions, Debate, technical quiz, Project Display and was inaugurated by Prof.(Dr).M.R.Kanjilal, Principal of the institute

On the eve of Engineer's Day there was the maiden session on the Scope & Opportunities of Tomorrow's Engineers where the session was delivered by two eminent academicians Padmashree Prof.Ajoy Kr.Ray and Prof.Indranil Sengupta,IIT Kgp.

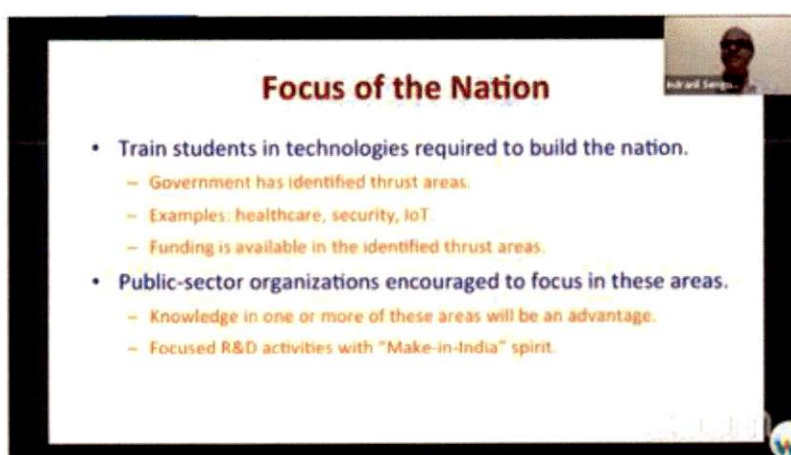
On the Engineer's Day There was a Debate cum discussion on different aspects of IT sector and core sector where Prof.(Dr).Biman Mukherjee, Prof.(Dr).Nabamita Banerjee, and Prof.Soumajit Dasgupta, Mechanical Engineering Dept. represented the Core sector and on the other hand Prof.Jayanta Pal, Computer Science Engineering, Prof.(Dr).Bidyut Kr.Medya,HOD,IT and Prof.Tamasree Biswas, IT highlighted about the IT sector. On 16th September there was a Technical Quiz Contest where the students of different engineering disciplines participated and it had an exciting finish with the top three winners coming from EIE, EE and BCA respectively.

On 17th September there was an event titled **Creations** students displayed innovative technical projects which they prepared during the lockdown. The participants were enriched by the valuable feedback from Prof(Dr).Syed Samser Ali, Principal, Gargi Memorial Institute of Technology, Mr.Sumit Sinha, Senior Manager, Network management and Domain Head, Ericsson India Global Services and Prof.S.C.Konar, Narula Institute of Technology.

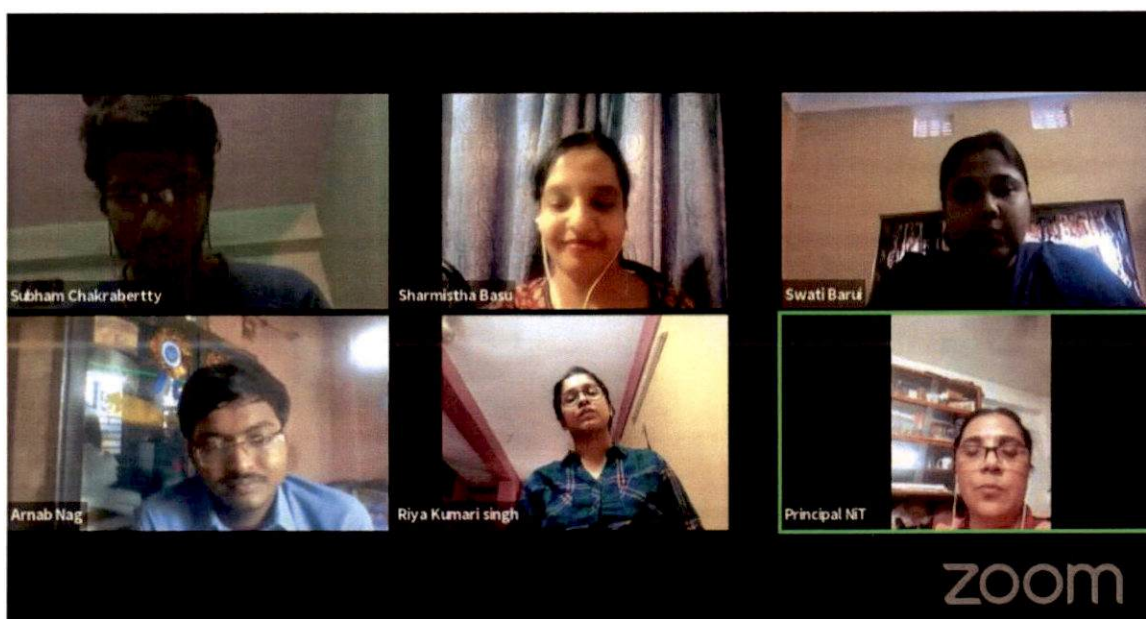


Principal

On the concluding day the Institute organized Vishwakarma Chhatra Award Ceremony to felicitate the students for their excellence in the field of innovative projects and publications which were appreciated in the different renowned competitions in state and national level. The Digital Newsletter, Special Edition "Digital 2.0" of the institute was launched on the same day by Prof.S.C.Konar, Dean Research which highlighted the activities of the institute during the lockdown. The award recipient students expressed their gratitude to the mentors and their respective departments. The closing ceremony witnessed a brief colourful performance by the 2020 pass out alumni where the co-curricular talents of the engineers were reflected. The weeklong celebration ended with the vote of thanks given by Ms. Nidhi Singh, Registrar.



Session ongoing: Dated 14/09/2020



Session ongoing: Dated 14/09/2020



Webinar on Evolution of Mobile

on

12th December, 2020

Venue: Online platform

Objective of the event: To present the Evolution of Mobile technology and future scope of research to students and faculty.

Venue: Online platform

Speakers : **Dr. Sucharita Chakraborty, system scientist/engineer at Space Application Centre (SAC), ISRO based out of Ahmedabad, Gujarat**

Number of participants: 100

Description of the Event:

The Department of Computer Science & Engineering of Narula Institute of Technology has organized a Webinar session on "Evolution of Mobile" on 12th December, 2020.

The resource person for the webinar was **Dr. Sucharita Chakraborty**. She received her M.Tech degree from Kalyani Government Engineering College in the year of 2013 and Ph.D from Indian Institute of Technology (IIT) Kharagpur in 2019. In 2019-2020, she was a post-doctoral research fellow in the Communication Division, Electrical Department, Linkoping University, Sweden. **Now, she works as a system scientist/engineer at Space Application Centre (SAC), ISRO based out of Ahmedabad, Gujarat.** She has authored many IEEE journals, one US patent and further serves as a reviewer of IEEE journals.

The program commenced with a Welcome Address by Dr. Biswajit Halder, Associate Professor, CSE, and followed by Introduction to the speaker. The Session was very much informative, enjoyable and interactive. Dr. Chakraborty shared her valuable technical information with participants on Evolution of Mobile technology and future scope of research and was followed by a question answering session.

More than 100 participants including UG & PG students, and faculty & staff members attended the session.

The entire program was coordinated by Dr. Biswajit Halder, CSE, Ms. Debjani Chakraborty and Mr. Anukul Maity, Assistant Professors, CSE.

The program ended with a vote of thanks by Dr. Biswajit Halder.

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

WEBINAR

Evolution of Mobile

Organized by
Dept. of CSE

SPEAKER

DR. SUCHARITA CHAKRABORTY
System Scientist/Engineer At Space
Application Centre (SAC),
ISRO Based Out of Ahmedabad, Gujarat

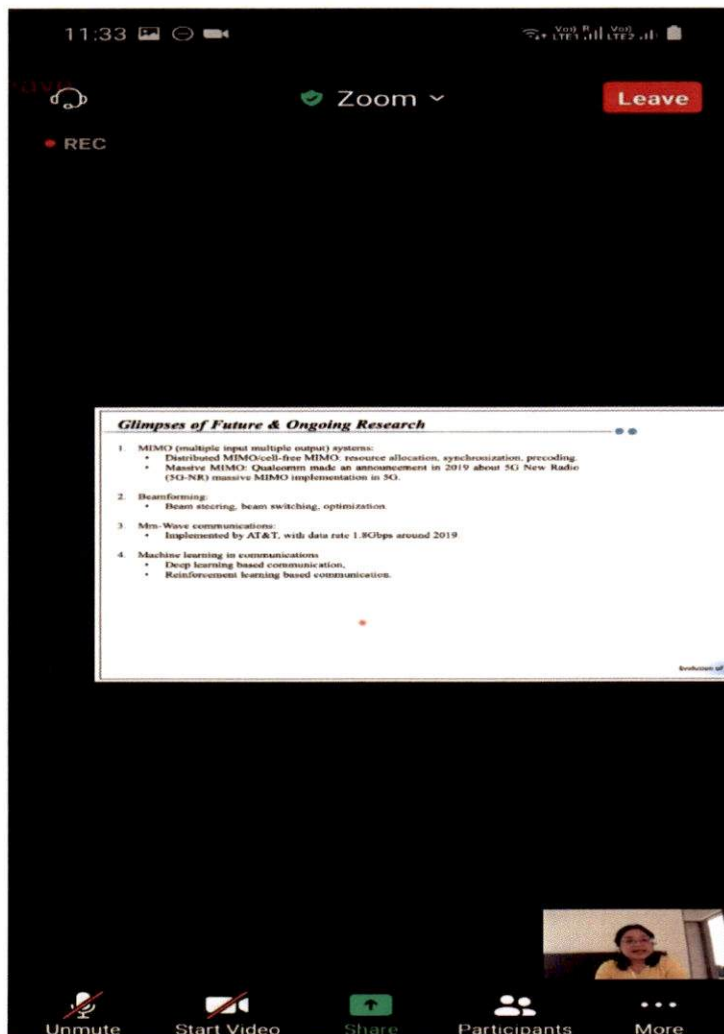
12th December, 2020
11:00 AM | SATURDAY

Coordinators
Prof. Biswajit Halder
Prof. Debjani Chakraborty
Prof. Anukul Maity

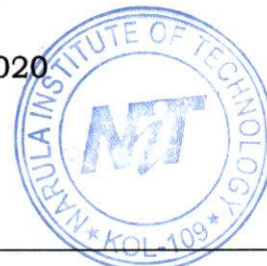


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Speakers : Dr. Sucharita Chakraborty Dated: 12/12/2020



Session ongoing Dated: 12/12/2020



Session ongoing:

The screenshot shows a mobile phone interface with a video recording in progress. The recording content is a presentation slide titled "How to place a call" and "How to find receiver's Base station".

How to place a call

Transmit Base station → 101001 / 11100 → Base Transceiver → 101001 / 11100 → Receive Base station

How to find receiver's Base station

- Mobile Switching Centre (MSC) helps to find out the receiver's Base station.
- The subscription information (location, activity) of a SIM is registered to a certain MSC.
- User travel to another location, it will assign to a Foreign MSC.

Hexagonal cell

Cellular technology

Evolution of Mobiles

Sucharita Chakraborty's screen

Session ongoing Dated: 12/12/2020

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 31, Nilgunj Road, Agarpara, Kol-109



Webinar on Intelligence in IoT

10th December, 2020.

Venue: online

Objective of the event: To enhance the knowledge and skill of students in IoT.

Venue: Online platform

Speakers : *Mr. Atanu Roy Chowdhury, Founder of Capsule Labs.*

Number of participants: 80

Description of the Event:

The **Department of Computer Science & Engineering of Narula Institute of Technology** has organized a **Webinar session on "Intelligence in IoT" on 10th December, 2020.**

*The resource person for the webinar was **Mr. Atanu Roy Chowdhury, Founder of Capsule Labs.** Mr. Roy Chowdhury is a maker and a IoT evangelist. He was a senior techno functional consultant for IOT/AI led digital transformations providing delivery and solutioning support to Altiux's global sales teams across India, South Korea, Japan, Taiwan and USA. Prior to Altiux [IoT], he was member of technical staff at Infosys Software Engineering and Technology Labs [IoT/ WSN/ RFID], Harvard Sensor Networking Lab [WSN], Telcordia Advanced Technology Solutions Labs (now known as Ericsson) [IoT] and Blue Highway (a Welch Allyn Company) [IoT/healthcare]. He has post graduate degrees in Computer Science from IIT Guwahati and Harvard University and he is a senior member of IEEE and Computer Society of India.*

He has published over 35 papers and patents in the area of IoT and wireless sensor networks and provided consultations over 100 IoT based solutions.

The program commenced with a Welcome Address by Dr. Subhram Das, CSE, and Introduction to Speaker by Ms. Sagarika Chowdhury, CSE. The Session was very much enjoyable and interactive. Mr. Roy Chowdhury shared valuable technical information with participants on the basis of current technology and trends and was followed by a question answering session.

The session was attended by around 80 participants including UG & PG students, and faculty & staff members.

The entire program was coordinated by Dr. Subhram Das, Ms. Sagarika Chowdhury & Mousumi Saha of CSE. The program ended with a vote of thanks by Mr. Jayanta Pal of CSE dept.

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What is intelligence in IoT?

Classification

- Converts a sensor into a detector
- An accelerometer into a fall detector
- A camera into a video occupancy detector

Optimization

- Automated control loops
- Energy efficient operations

Regression and Forecast

- Prediction of machine failure
- Demand prediction

Identification and Clustering

- Detects new classes of events
- Facial recognition
- Automated sorting

Recommendation

- Next best action in plant control

Personalized User Experience

- Conversational platforms
- Digital Twins

Where is the intelligence?

Sensor	Router	Edge Gateway	Cloud	Mobile
Model based classification & identification		Sensor data fusion, clustering and optimization	Model development and training; Regression and forecasting; Visualization; Recommendations;	Speech recognition; Fingerprint processing; facial recognition
Automated control				

Session on going, Dated: 10/12/2020

Late 1980s

PCs made personal computing mainstream

Mid 1990s

2000

Feature phones become connected on 2.5G

Laptops made computing accessible on the go

Speaker Mr. Atanu Roy Chowdhury taking the session, Dated: 10/12/2020

Principal
APARULA INSTITUTE OF TECHNOLOGY
 31, Nilguni Road, Agarpara, Kol-109

**Webinar on "Introduction to 5G"
on 21st November, 2020
3 PM onwards.
Venue: Online platform**

Objective of the event: To enhance the knowledge of the students on the 5G systems.

Venue: Online platform

Speakers : *Ms. Kumkum Baidya, Senior Software Engineer, Ericsson India Pvt.Ltd*

Number of participants: 94

Description of the Event:

Narula Institute of Technology has organized a **webinar on "Introduction to 5G" on 21st November, 2020 from 3 PM onwards.**

The session was facilitated by ***Ms. Kumkum Baidya, Senior Software Engineer, Ericsson India Pvt.Ltd.***

Topics covered in the session are:

Remote Robotics
Enhanced mobile broadband
IOT
5G core network
Cellular IOT requirement
Introduction to critical IOT
Massive IOT use case diversity
Network slicing
Different 5G RANs

Around 94 students and all the departmental faculty members participated in the session. The session was very interesting. All the participants enjoyed and interacted throughout the session. It was coordinated by Ms Debrupa Pal with Ms Subhasree Bhattacharjee, Narula Institute of Technology'



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

Zoom Meeting

Participants (92)

Find a participant

- AD Anuspa Das
- AA Aayushmaan Aayush
- @y@n B@W@S
- AD Aakash Dey
- AM Amrita Majumdar
- A Anik
- AR Anisha Roy
- Aranya 04
- AB Arghya Bhattacharyya
- Arijit Saha
- AS Arkoprovo Sarkar
- AR Arjit Karin
- A Avishkeh Das

3:24 PM 11/21/2020

Session ongoing dated: 21/11/2020

Zoom Meeting

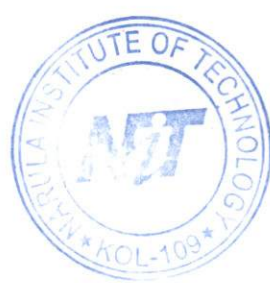
Participants (92)

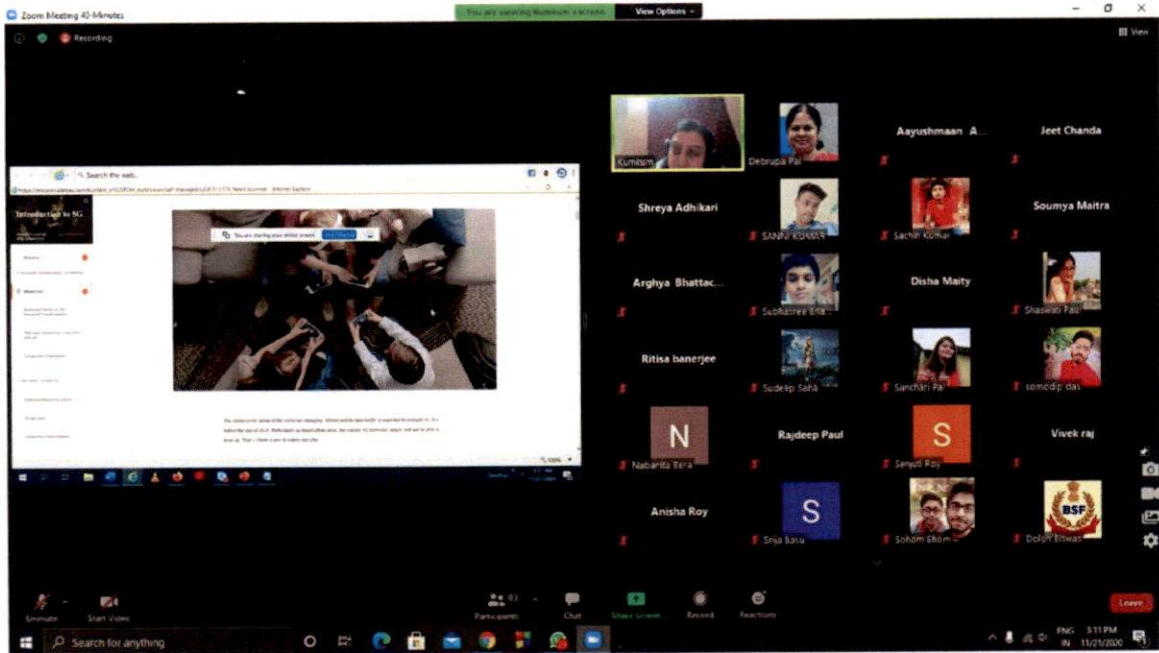
Find a participant

- AD Anuspa Das
- AA Aayushmaan Aayush
- @y@n B@W@S
- AD Aakash Dey
- AM Amrita Majumdar
- A Anik
- AR Anisha Roy
- Aranya 04
- AB Arghya Bhattacharyya
- Arghyadeep Indra
- Arijit Saha
- AS Arkoprovo Sarkar
- A Avishkeh Das

3:20 PM 11/21/2020

Session ongoing dated: 21/11/2020





Speaker Ms. Kumkum Baidya, along with the audience Session ongoing dated: 21/11/2020

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

**"Webinar on Law-Labour-Lockdown"
8th September, 2020 at 4PM**

Objective of the event: To discuss with students of the labour laws and the pandemic situation.

Venue: Online platform

Speakers *Mr. Kallol Dutta, Joint Labour Commissioner, Govt .of West Bengal.*

Number of participants: 40

Description of the Event:

A "Webinar on Law-Labour-Lockdown" was conducted by the Department of Business Administration of Narula Institute of Technology on 8th September, 2020 at 4PM on Zoom platform.

The *Key speaker of this webinar was Mr. Kallol Dutta, Joint Labour Commissioner, Govt .of West Bengal.*

The webinar was inaugurated by Honourable Principal, Prof. (Dr.) M.R.Kanjilal and Registrar, Ms.Nidhi Singh. The programme was coordinated by Dr. Sriparna Guha.

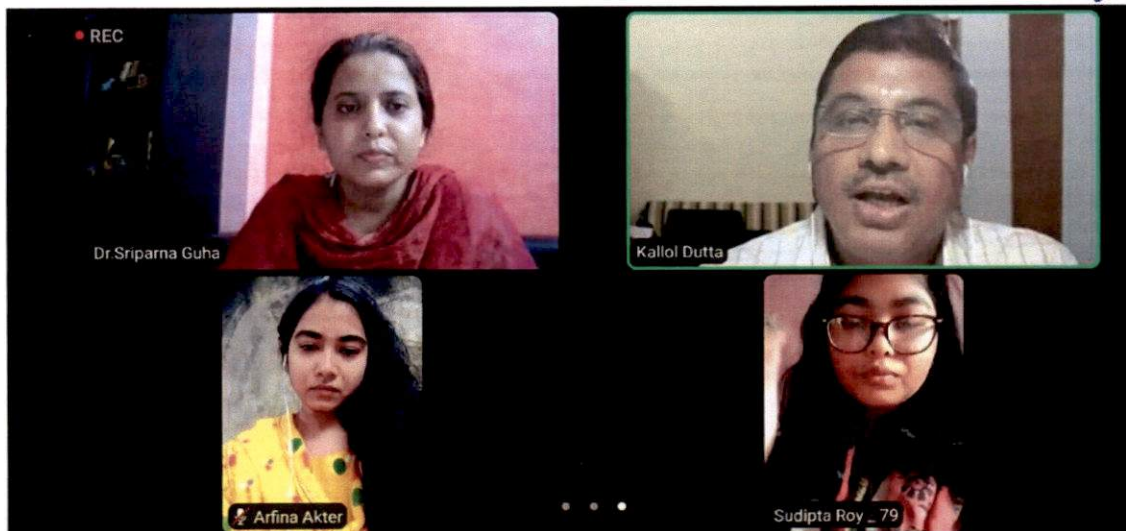
The speaker **emphasized over the historical perspectives of labour laws in different countries during different emergency periods. He also discussed different Labour Law Amendments which took place in different sectors during different time periods.** 40 teachers and students also actively participated in the programme. The webinar ended with a question-answer session followed by the vote of thanks to the speaker.

The pictures of the said programme are attached herewith for your kind perusal.

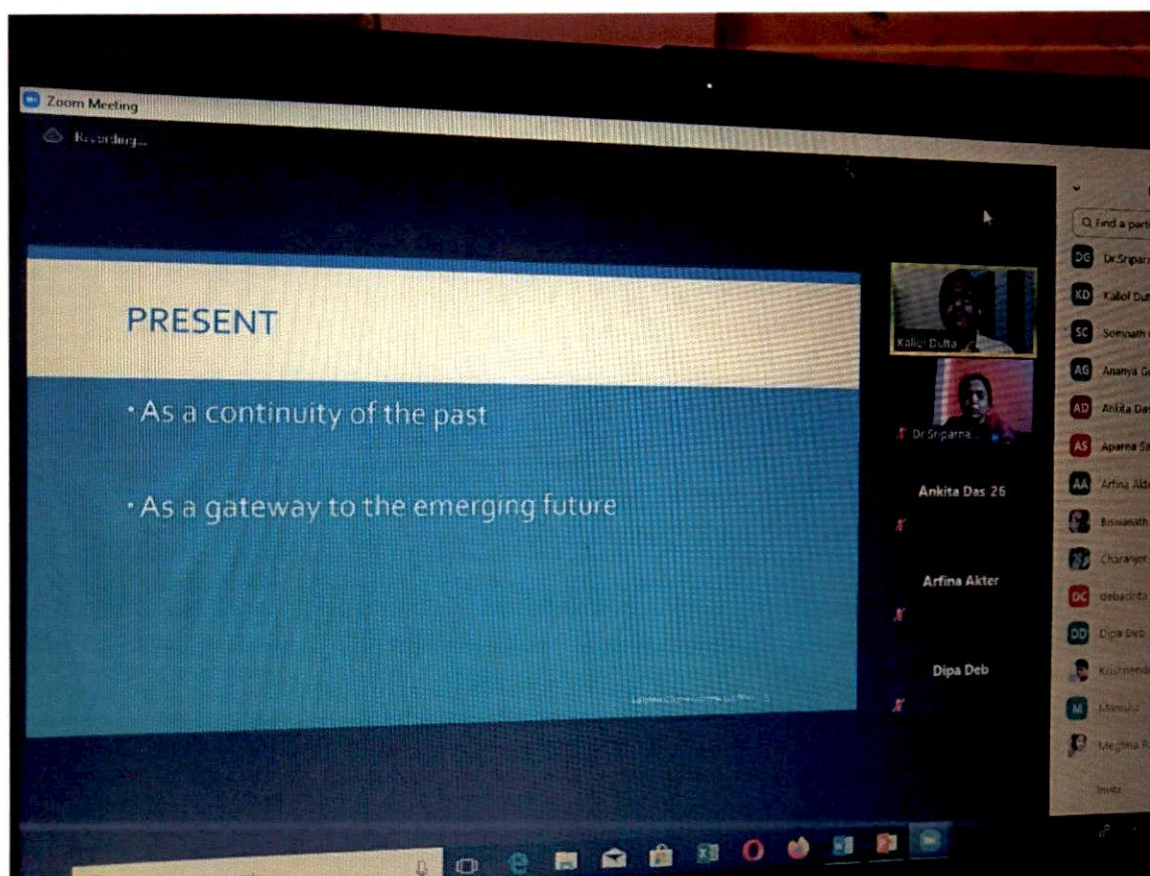


Principal

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



Speaker Mr. Kallol Dutta taking session, Dated: 08/09/2020



Session ongoing Dated: 08/09/2020


Principal
ARULA INSTITUTE OF TECHNOLOGY
51, Nilgunj Road, Agarpara, Kol-109

webinar on “Machine Learning for Images”

5th February 2021

Venue: Online platform, time 7pm

Objective of the event: To enhance the knowledge of students on the AI based image processing and tools for applications, optimisation techniques.

Venue: Online platform

Speakers : **Dr. Abhishek Das Associate Professor** and former Head in the **Dept. of Computer Sc. & Engineering** at **Aliah University, Kolkata.**

Number of participants: 80

Description of the Event:

The IETE Student Forum, Electronics and Communication Department of Narula Institute of Technology organised an online webinar - “Machine Learning for Images” at 7 PM on 5th February 2021.

The **event was facilitated by** Dr. Abhishek Das. He is currently working as an **Associate Professor** and former Head in the **Dept. of Computer Sc. & Engineering** at **Aliah University, Kolkata.**

Referring to machine learning in images , Prof. Das mentioned that as the growth of computing moves the image and object recognition becomes more demanding. He touched AI based image processing, some tools for applications, optimisation techniques. Deep neural networks in images and its applications are also discussed, like activation function ReLU and its merits, demerits. **Total 80 participants attended the program and actively participated in the question answer session.** The session came to an end by the vote of thanks by the members of the organising committee.



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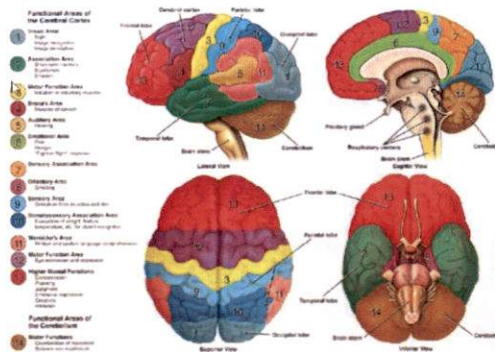
Brain Structure

We don't know how different functions are assigned

- Partly based on physical connections to sensory and motor neurons
- Partly due to experience (learning)

Functionality of a region can change over time (plasticity)

Functional regions can move, expand, or contract



Speaker taking the session: Dr. Abhishek Das , Dated:05/02/2021

Session ongoing, Dated:05/02/2021

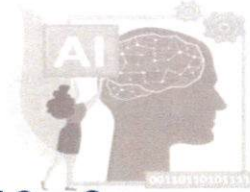




**WEBINAR ON
MACHINE LEARNING FOR IMAGES**

ORGANIZED BY

Dept. of ECE, Under IETE Student Forum, IEEE CAS, IEEE ComSoc
Narula Institute of Technology



SPEAKER

Dr. Abhishek Das

Associate Professor, Former HOD,
CSE Dept. Aliah University, Kolkata



5TH FEBRUARY, 2021 | 7.00 PM | FRIDAY

www.nit.ac.in

Speaker: Dr. Abhishek Das , Dated:05/02/2021


Principal
NARULA INSTITUTE OF TECHNOLOGY
31, Nilgunj Road, Agarpara, Kol-106



"Life Sketch -Acharya Jagadish Chandra Bose"

19th December 2020 at 7.00 p.m

Venue: Online platform

Objective of the event: To present in front of students the works and life of Acharya Jagadish Chandra Bose

Venue: Online platform

Speakers : Students named Vivek Rai,ECE, Suman Das & Sourav Dutta,M-Tech,ECE, Narula Institute of Technology

Number of participants: 84

Description of the Event:

The IETE Student Forum & IEEE CAS Student Branch, NSS of Electronics and Communication Department of Narula Institute of Technology organised a program "**Life Sketch -Acharya Jagadish Chandra Bose** at 7.00 p.m on 19th December 2020 ,.

The COVID-19 or Coronavirus disease is an infectious disease caused by a new virus marked as a pandemic disease. The Students of IETE Student Forum , IEEE CAS Student Branch and NSS with the coordinators, and Head, ECE Department have taken the initiative to organize various programs on the online platforms to create awareness and motivate students, faculty , and staff members . The presentation was in ZOOM Platform .

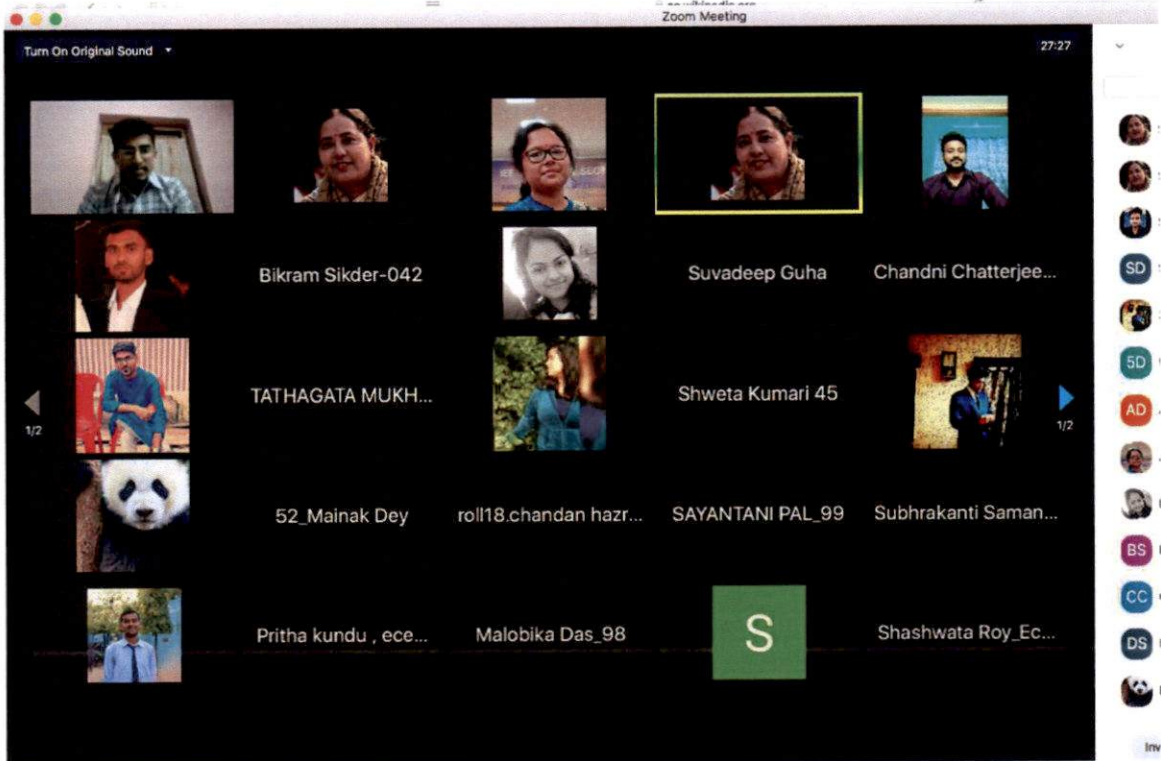
Students named Vivek Rai,ECE, Suman Das & Sourav Dutta,M-Tech,ECE have presented the works and life of Acharya Jagadish Chandra Bose. The session was informative and students were engrossed throughout the program. Total number of students present was 84. Apart from this faculty and staff members from the Narula Institute of Technology were present.

The program was coordinated by Mrs. Sangita Roy, Mrs. Arpita Santra, Department of ECE Department.

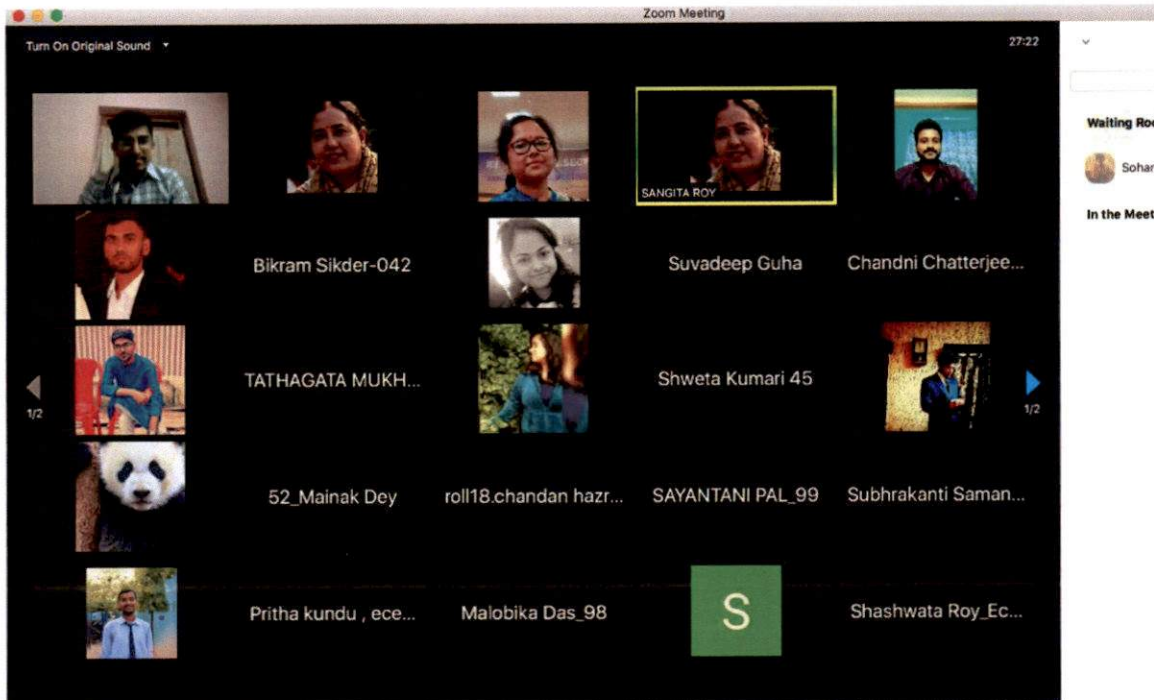
Some snapshots of the session are attached for all concerned.

Principal

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31, Nilgunj Road, Agarpara, Kol-109

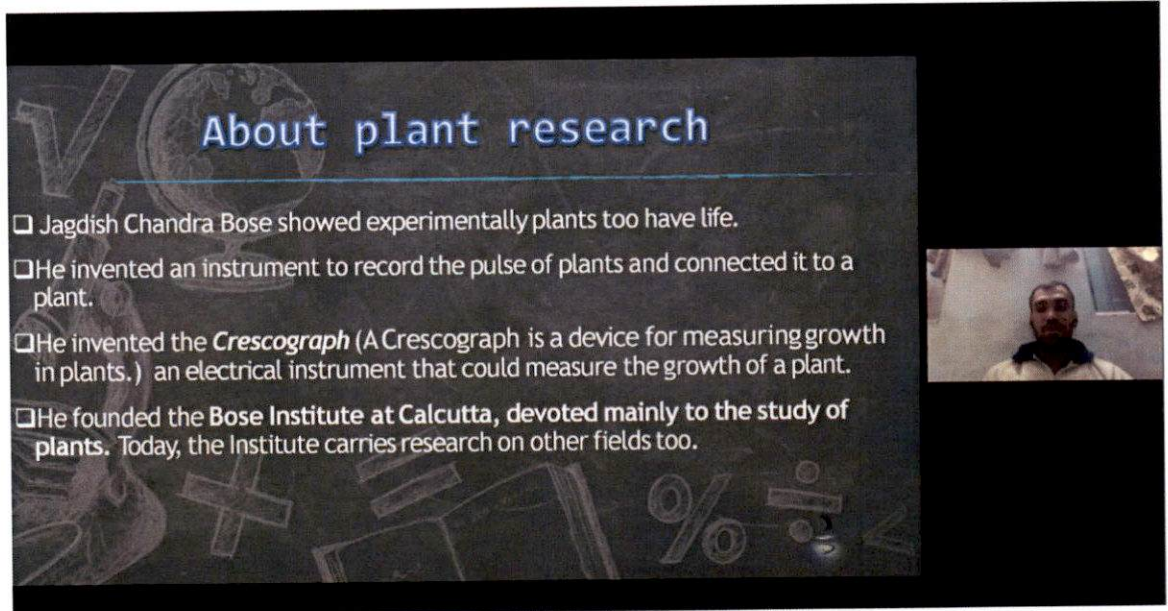


Session ongoing dated: 19/12/2020



Session ongoing dated: 19/12/2020





About plant research

- Jagdish Chandra Bose showed experimentally plants too have life.
- He invented an instrument to record the pulse of plants and connected it to a plant.
- He invented the *Crescograph* (A Crescograph is a device for measuring growth in plants.) an electrical instrument that could measure the growth of a plant.
- He founded the **Bose Institute at Calcutta**, devoted mainly to the study of **plants**. Today, the Institute carries research on other fields too.

Session ongoing dated: 19/12/2020



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

**A webinar on
"The Legacy of Srinivasa Ramanujan"
22nd December, 2020 at 2:30 PM using Zoom platform.**

Objective of the event: To enlighten the participants about the life story of Ramanujan (A prodigy of Mathematics) and about his research work starting from his childhood days.

Venue: Online platform

Speakers : Mr. Anjan Debnath, Research Scholar of Ramanujan Institute of Advanced study in Mathematics, Chennai

Number of participants: 241

Description of the Event:

On the auspicious occasion of **National Mathematics Day, the Mathematics section of Basic Science and Humanities department**, Narula Institute of Technology has organised a **webinar on "The Legacy of Srinivasa Ramanujan" on 22nd December, 2020** at 2:30 PM using Zoom platform. The focus of this webinar was to develop and inculcate the interest in Mathematics among the students.

Mr. Anjan Debnath, Research Scholar of Ramanujan Institute of Advanced study in Mathematics, Chennai, was the keynote speaker of the session. In the talk he enlightened the participants about the life story of Ramanujan (A prodigy of Mathematics) and about his research work starting from his childhood days.

Total 241 participants attended the webinar. The students, faculties and staff members have actively participated and it was an interactive session throughout. At the end **Dr.Sumit Nandi and Dr.Nikhilesh Sil gave their vote of thanks to the speaker** for giving such a valuable and knowledgeable speech on Ramanujan and elaborately discussing it with the participants.







































Principal

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

2:40 PM | 32.2KB/s

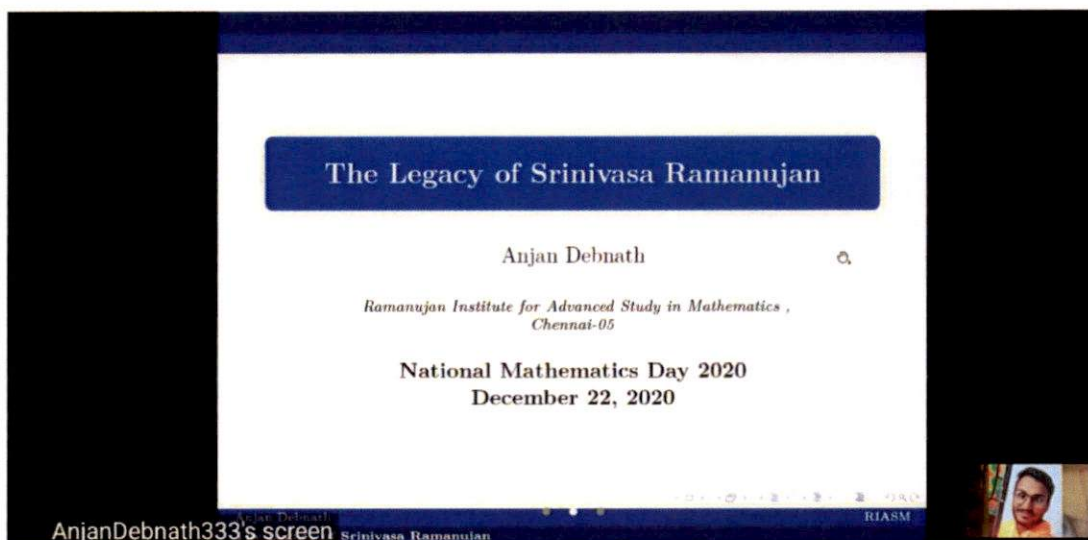
Close Participants (241)

Search

	Punita Gaba (me)			>
	Dr. Nikhilesh Sil (Host)			>
	AnjanDebnath333			>
	Anudeepa Gon			>
	IT Daiyan Alam 52			>
	Madhusudan Das			>
	002_Arghya Pal			>
	006_Pritha Pal			>
	014_SOUDEEPPAL			>
	020_Christina Hira			>
	028_SananditaBiswas			>
	03_Debanjana Chall			>

Invite

Student attending the session, Dated: 22/12/2020



The Legacy of Srinivasa Ramanujan

Anjan Debnath

Ramanujan Institute for Advanced Study in Mathematics,
Chennai-05

National Mathematics Day 2020
December 22, 2020

AnjanDebnath333's screen Srinivasa Ramanujan



Session ongoing, Dated: 22/12/2020





Session ongoing: Dated: 22/12/2020

NIT Promotes Digital Education
#GharPePadhaiCoronaSayLadai




WEBINAR ON ▶

National Mathematics Day

Mr. Anjan Debnath
Researcher
Ramanujan Institute for Advanced
Study in Mathematics, Chennai 600005

Organized by
Mathematics section,
Department of Basic Science & Humanities
Narula Institute of Technology



22nd | December
2020
02:30 - 03:30 PM

NARULA INSTITUTE OF TECHNOLOGY
WWW.NIT.AC.IN | 8902496650

Speaker Mr. Anjan Debnath, Dated: 22/12/2020

Principal
NARULA INSTITUTE OF TECHNOLOGY
s1, Nilguni Road, Agarpara, Kol-109

Webinar on “MultiCamera Automotive Vision Systems- An overview”

5th December, 2020

Venue: Online platform

Objective of the event: To discuss with students on the AI and Vision systems

Venue: Online platform

Speakers : MR. ARINDAM DAS, Senior Engineer, department of Detection Vision Systems (DVS) at Valeo India, Chennai

Number of participants: 65

Description of the Event:

The Department of Computer Science & Engineering of Narula Institute of Technology has organised a Webinar session on “**MultiCamera Automotive Vision Systems- An overview**” on 5th December, 2020, which was delivered by **MR. ARINDAM DAS, Senior Engineer, department of Detection Vision Systems (DVS) at Valeo India, Chennai**. He is currently involved in deep learning based algorithm development activities in autonomous driving systems. He has over 7 years of industry experience in computer vision, deep learning, raster image processing and document analysis. He has authored 13 peer reviewed publications and **21 patents (US and German) including 17 grants**. He is a member of the Irish Pattern Recognition and Classification Society (IPRCS), a member body of the International Association for Pattern Recognition (IAPR). **He is one of our prestigious alumni too, batch of 2013, CSE, NiT.**

The session was attended by around 65 participants. Question-answer session became interesting, as not only the students raised questions, but teachers also took part actively and cleared their doubts.

As the speaker is having 21 patents, including 17 grants, it was asked to share his experience of having so many international patents and how the students can move forward. This exposure was an added ornament of the session. **The session was coordinated by Ms. Sagarika Chowdhury and Dr. Subhram Das, Department of CSE.**

Some of the snapshots



Principal
NARULA INSTITUTE OF TECHNOLOGY
41, Nilgiri Road, Aarpara, Kol-100

REC

Deep Learning for Visual Perception

Deep Learning is an art of building machine learning algorithms that can outsmart their human counterparts from simple to some most complex tasks

Generic building blocks:

CNN **RNN** **Discriminative Learning** **GAN**

Arindam DAS

Video call interface showing participants: You, MOUSUMI, H, N, 40 others.

Session on going Dated: 05/12/2020

Speaker MR. ARINDAM DAS, Dated: 05/12/2020

Principal
LAULA INSTITUTE OF TECHNOLOGY
1, Nilmoni Road Agarpara, Kol-106

**Webinar on
"Nanoelectronics and Nano-sensors"
5th October 2020 from 5PM.**

Objective of the event: To introduced application-oriented NANO-SENSORS, NANO-BOTS, etc to the students

Venue: Online platform

Speakers : **Dr. Hemen Kumar Kalita, Assistant Professor, Guahati University, Assam**

Number of participants: 81

Description of the Event:

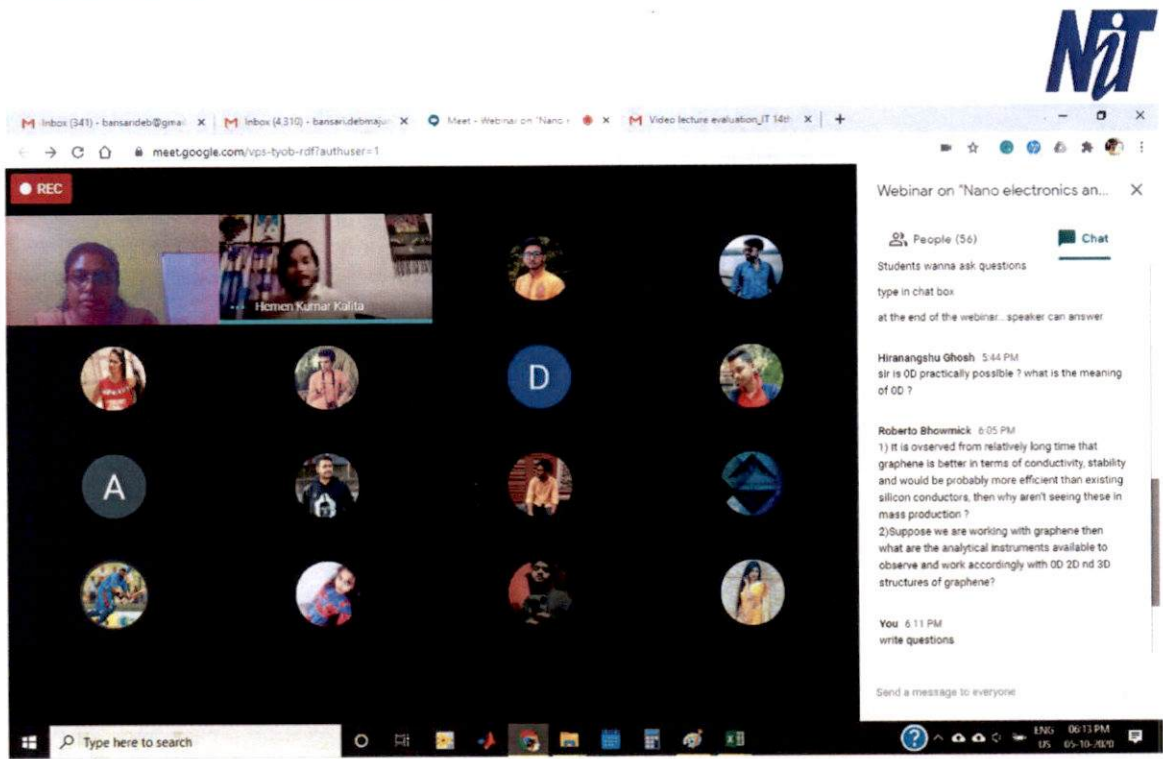
The **Electronics and Instrumentation Engineering Department (EIE) of Narula Institute of Technology** has conducted a **Webinar on "Nanoelectronics and Nano-sensors" on 5th October 2020 from 5PM-6:30PM.**

The eminent speaker of the webinar was **Dr. Hemen Kumar Kalita. He is a very renowned speaker in the field of Nano-sensors and has achieved a doctoral degree from IIT Bombay on Nano-sensors. Presently Dr. Kalita is associated with Guahati University, Assam.**

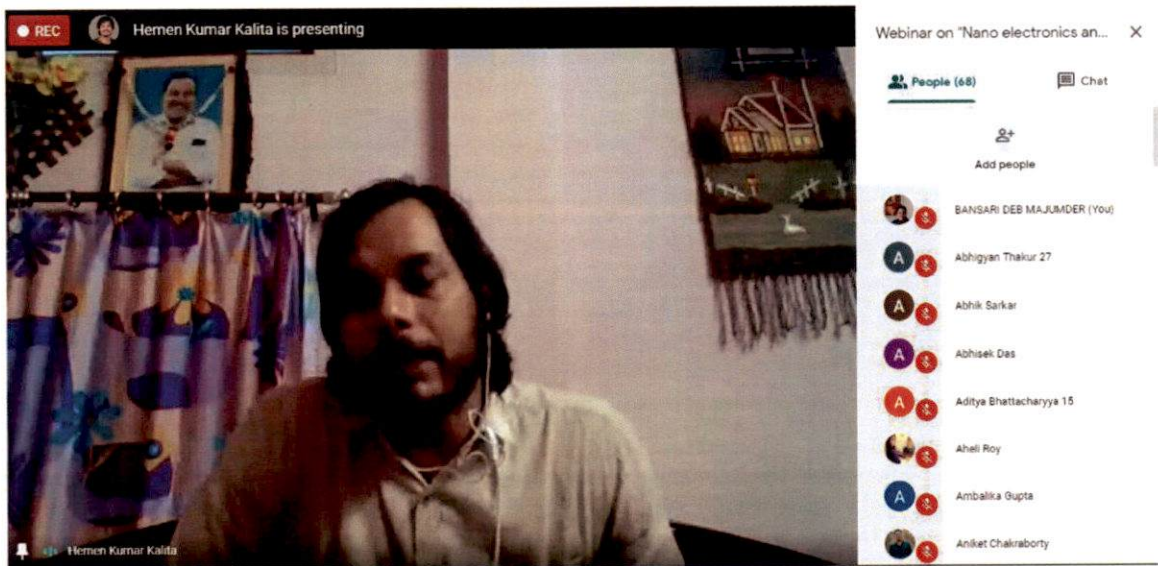
The talk was very interesting and informative for the students. The students were mesmerized when he introduced the **GRAPHENE and its Advantages** over semiconductor devices. **The webinar was attended by 81 students of the EIE Dept.** He has introduced application-oriented **NANO-SENSORS, NANO-BOTS**, etc to the students. He has explained about the fabrication process of the Graphene. The chatbox of the Google meet portal was flooded by quality questions from the students.

Some of the Glimpses of the webinar are attached herewith.


NARULA INSTITUTE OF TECHNOLOGY
81, Nilgiri Road, Agartala, Kol-109



Speaker Dr. Hemen Kumar Kalita taking the session Dated: 05/10/2020



Speaker Dr. Hemen Kumar Kalita taking the session Dated: 05/10/2020


AGARTALA INSTITUTE OF TECHNOLOGY
 81, Nilgunj Road, Agartala, Kol-109

“NATIONAL ENERGY CONSERVATION DAY”

14.12.2020 10 am onwards

Objective of the event: To enhance knowledge on the Energy Conservation process.

Venue: Online platform

Speakers : *Mr. Rupankar Shome, OSD to Power Minister, Govt. Of West Bengal & Industry expert.*

Judges of poster presentation: **Dr. Bishaljit Paul, Prof. Dr. S.C.Konar and Dr. Biswajit Halder of EE Dept.**

Number of participants: 98

Description of the Event:

A poster making and project display competition was organized on the “NATIONAL ENERGY CONSERVATION DAY” by the Electrical Engineering department of Narula Institute of Technology on 14.12.2020 from 10 am onwards under the Engineering College Students Chapter on the occasion of National Energy Conservation Day through Google meet link.

Being the most intelligent species on the planet Earth, we have to be careful how we should use energy. Poster is an effective way to catch and hold the attention of pupils or students along with motivating them to learn a specific topic as well as maintain their interest in that. The main benefit of prototyping is that it results in a faster and more effective design cycle and it allows to test their design in the “real-world” environment, it is easier to identify potential problems and prevent costly mistakes down the road.

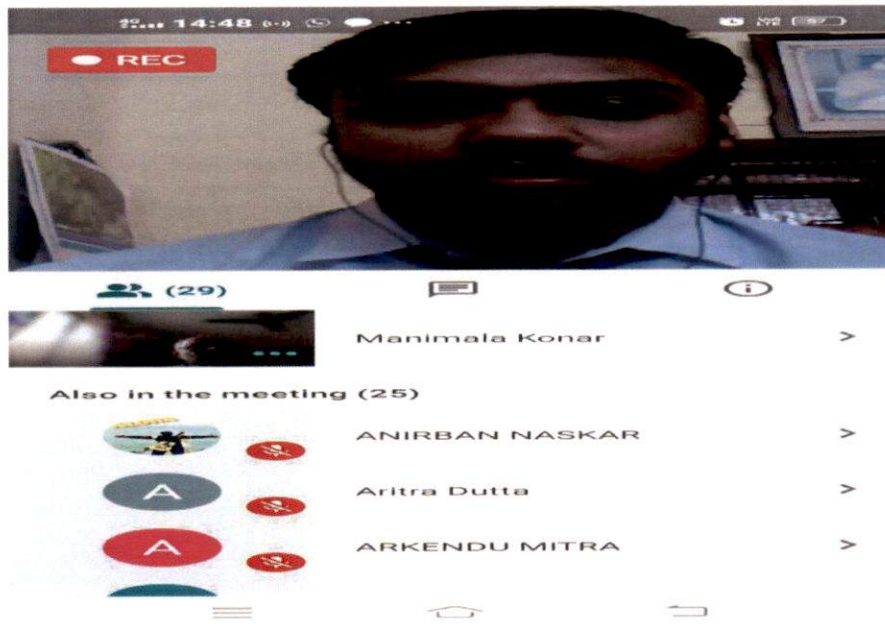
Students from different departments of NiT participated. Few of students were in poster making and few of them showed their project in project Display competition. The judges were Dr. Bishaljit Paul, Prof. Dr. S.C.Konar and Dr. Biswajit Halder.

The program was inaugurated by HOD-EE, Dr. Nabamita Banerjee Roy.

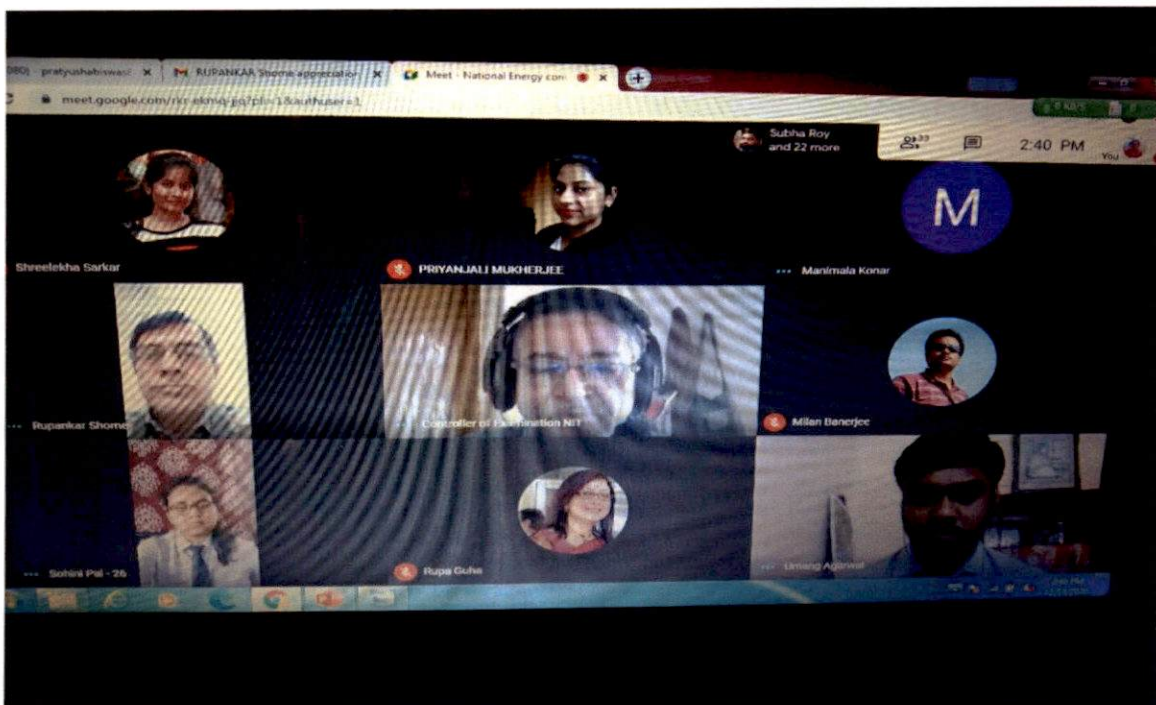
The guest of honour was Mr. Rupankar Shome, OSD to Power Minister, Govt. Of West Bengal & Industry expert & BOS Member-EE dept- NiT. He delivered unique and important key areas related to national energy conservation in our daily life. This great initiative got succeeded at the end by the vote of thanks from Prof. Dr. S.C.Konar, Dean (R&D). **The program has been coordinated by Mrs. Pratyusha Biswas Deb.**

Electrical Engineering department of Narula Institute of Technology succeeded in making “NATIONAL ENERGY CONSERVATION DAY” a grand event which would never have been possible without the contribution of all the students and faculty members of the institution as a whole.





Session ongoing: Dated: 14/12/2020



Mr.Rupankar Shome along with audience, Dated: 14/12/2020



14.12.2020

Certificate of Appreciation



Electrical Engineering Department
Of
Narula Institute of Technology



In honor of your gracious presence and reflections as the Webinar on "Energy Conservation in our daily life" on 14.12.2020 (Energy Conservation Day) under Engineering College Student Chapter IE(I). We gladly present the token of appreciation to

Mr. Rupankar Shome
O&P & Power Minister, Secy. of W.B. Industry, Expt. of
Ex-Off Member, Dept. of E.E., NIT

Prof. Dr. M.R. Kanjilal
Principal, NIT

Nabamita Banerjee Roy
HOD, EE

Certificate of Appreciation presented to speaker Dated: 14/12/2020

#NATIONAL ENERGY CONSERVATION DAY

An Interdisciplinary competition on 'POSTER MAKING' and 'PROJECT DISPLAY'

ENERGY CONSERVATION IN OUR DAILY LIFE

Organized by
Dept. of EE

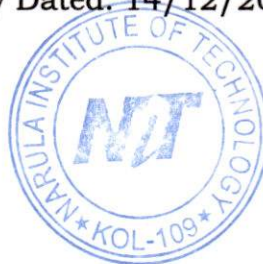
UNDER
ENGINEERING COLLEGE STUDENT CHAPTER IE(I)

📅 14th December, 2020
🕒 10:00 AM | MONDAY




Registration Open Till 13.12.2020

NARULA INSTITUTE OF TECHNOLOGY
WWW.NIT.AC.IN

Project Display Dated: 14/12/2020



#NATIONALENERGYCONSERVATIONDAY

14.12.2020
01:30PM
 ONWARDS

ENERGY CONSERVATION IN OUR DAILY LIFE

A WEBINAR ON

Organized by
Dept. of EE

UNDER
 ENGINEERING COLLEGE STUDENT CHAPTER IE(I)
 DISTINGUISHED SPEAKER

Mr. Rupankar Shome
 OSD to Power Minister, Govt. of W. B. Industry Expert
 of BoS Member, Dept. of EE, NIT

NARULA INSTITUTE OF TECHNOLOGY
 WWW.NITAC.IN

Session Dated: 14/12/2020


 Principal
 NARULA INSTITUTE OF TECHNOLOGY
 81, Nilguni Road, Agarpara, Kol-10'

Webinar on

'Structural Detailing Using TEKLA Software (II)'
20th October, 2020 from 4 PM onwards

Objective of the event: To enhance the skill of students on TEKLA software

Venue: Online platform

Speakers : Sri Shomo Banerjee, Co-Founder of "Imagiminds Cadd & Engineering Solutions.

Number of participants: 65

Description of the Event:

The department of Civil Engineering of Narula institute of technology has organized a webinar on 'Structural Detailing Using TEKLA Software (II)' on 20th October, 2020 from 4 PM onwards.

The Guest Speaker of the webinar was Sri Shomo Banerjee, Co-Founder of "Imagiminds Cadd & Engineering Solutions, A CADPOINT AUTHORIZED Training Institute.

In this session Sri Shomo Banerjee, enlightened about TEKLA software, the main highlights of the discussion are as below.

Tekla Structures for construction management is an information-model-based software solution that supports contractors, sub-contractors, and project management professionals by helping them to centralize and visualize project data. Scheduling and cost estimation and control can be carried out by an effective communication and decision-making process that results from managing the fragmented nature of both project planning and performance data. Tekla Structures can process large amounts of model and non-model data regardless of the source. The software can be used to leverage the critical transfer of design information and planning data between design and construction teams. This clarifies communication and decision-making throughout the design, construction, and site management phases of a building project.

Managing the fragmented project planning and performance data is a challenge in streamlining the delivery process of construction organizations. Tekla Structures software helps to plan, communicate, and manage project information and thereby effectively supports Building Information Modeling (BIM). The Tekla model can be used to store all the structural data from preconstruction, construction planning through to site management and to monitor performance from design to supply and installation.



Principal

NARULA INSTITUTE OF TECHNOLOGY
51, Nileuni Road, Aarabara Kol-100

Around 65 participants along with faculty members had participated and enquired about various queries related to this topic.

NIT | **JIS GROUP**
Educational Initiatives

NIT Promotes Digital Education
#GharPePadhaiCoronaSayLadai

Shomo Banerjee
Expert in TEKLA

WEBINAR ON
Structural Detailing Using TEKLA Software (II)

Organized by
Department of Civil Engineering

Date: 20th October, 2020
Time: 4 PM Onwards

NARULA INSTITUTE OF TECHNOLOGY
WWW.NIT.AC.IN | 8902496850

Speaker: Sri Shomo Banerjee Dated: 20/10/2020.

TEKLA DEMO - npt - VLC media player

Recording LIVE on Custom Live Streaming Service

CADPOINT
MULTIMEDIA TRAINING CENTRE
ACADEMIC PARTNER

Modify the existing grid

03:54

Session ongoing: Dated: 20/10/2020.


Principal
NARULA INSTITUTE OF TECHNOLOGY
s1, Nilgunj Road, Agarpara, Kol-109

World Handicapped Day

3rd December, 2020

Objective of the event: To motivate students and to ideate and solve problems due to disability.

Venue: Online platform

Speakers : Students presented the poster and ideas

Number of participants: 64

Description of the Event:

World Handicapped Day or the International Day of Persons with Disabilities was observed at Narula Institute of Technology on 3rd December, 2020. The Electronics and Communication Engineering Department of the Institute organized an online Poster Exhibition based on the particular subject.

The online Poster Exhibition commenced at 6PM in the online Zoom platform and it began with an introductory address by the faculty members of the department. In the introductory message, the background, history and other facts about the particular observance was elaborated.

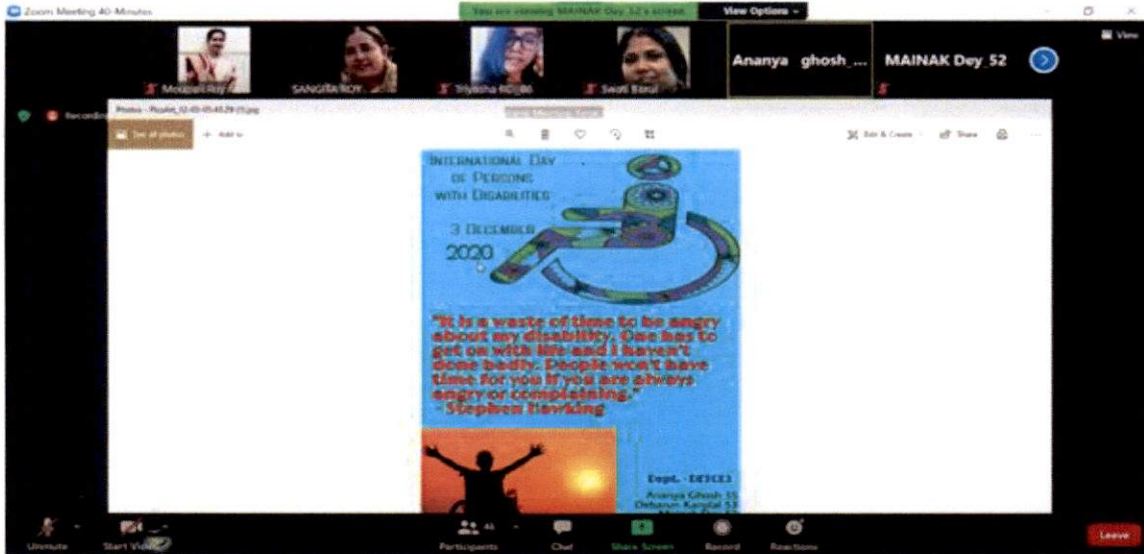
After that, the main event, the Exhibition began. **The students of 1st to 4th year of the Institute, serially presented their colourful posters and delivered short speeches based on their respective posters. All the students presented their posters which reflected their ideas and views on the theme which enhanced and enriched the audience, observers and listeners.**

One thing was common to all the speeches, that is, **the persons who are having the disabilities must not be looked down and they are in no way less than others. They also can achieve success in their lives and can strive towards perfection and excellence, by their strong will-power, determination and self-confidence.** Here, an inspirational quote of Swami Vivekananda comes to our mind where he says,

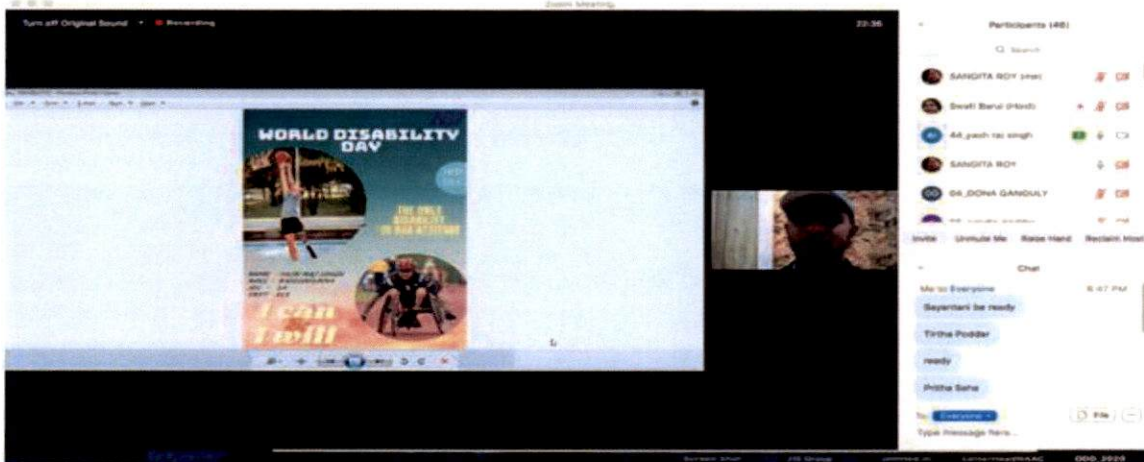
"All power is within you; you can do anything and everything."



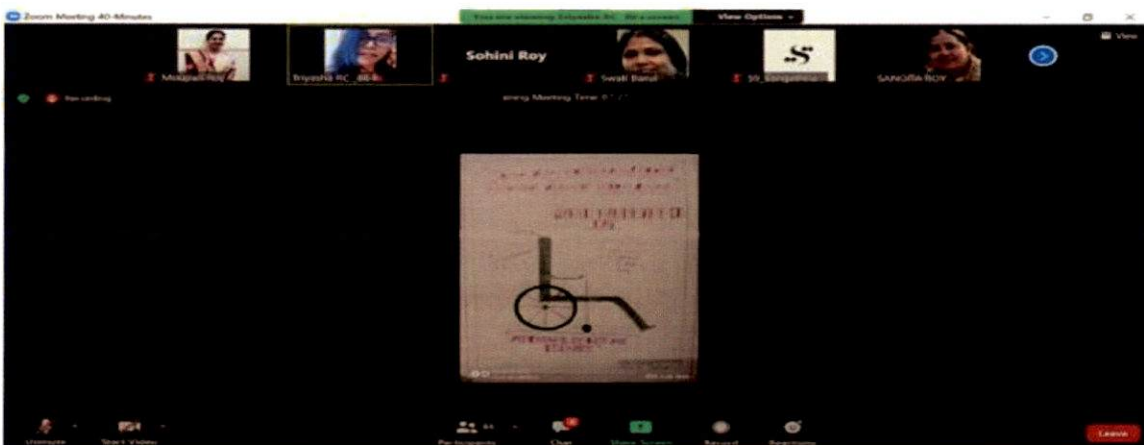
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Session ongoing, Dated: 03/12/2020



Session ongoing, Dated: 03/12/2020



Session ongoing, Dated: 03/12/2020


NIT
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81, Nilgunj Road, Agarpara, Kol-109



**A webinar on
"Rajeshwari Chatterjee-Pioneering Woman Engineer"
12th December 2020 ,
Venue: Online platform**

Objective of the event: To highlight the Biography and contribution of academician and Engineer **Rajeshwari Chatterjee.**

Venue: Online platform

Speakers : **Abhishek Mitra, Tathagata Mukherjee-ECE, Stuti Jha, Diptisha De Students of 3rd year, Electronics and communication Engg. Dept, Narula Institute of Technology**

Number of participants: 80

Description of the Event:

IETE Student Forum & IEEE CAS Student Branch, Electronics and Communication Department of Narula Institute of Technology organised a webinar - "Rajeshwari Chatterjee-Pioneering Woman Engineer" at 7 p.m on 12th December 2020 ,through the Zoom Application which was delivered by **Abhishek Mitra-ECE3A, Tathagata Mukherjee-ECE3A, Stuti Jha-ECE3B & Diptisha De-ECE3A.**

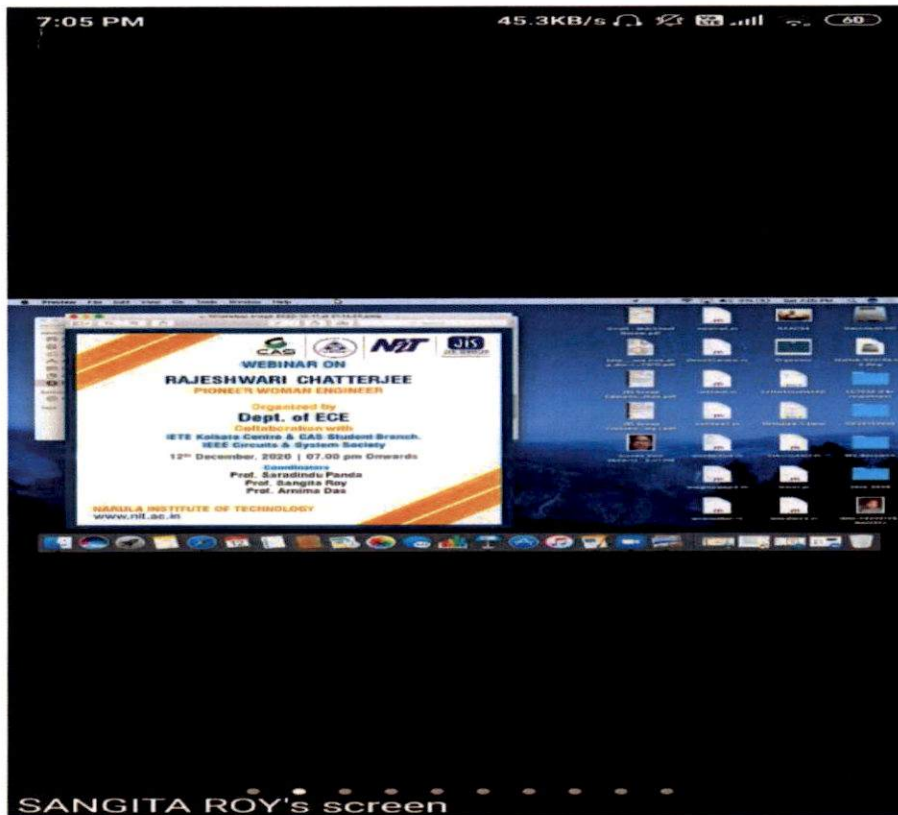
Rajeshwari Chatterjee; one of India's first female engineers who spearheaded microwave research and engineering in India. Rajeshwari's work influences RADAR technology and defense applications to this day, with her zeal for innovation altering the field of science and leaving us with an invaluable legacy of strength, acceptance and pioneering technology. **Rajeshwari Chatterjee** (24 January 1922 – 3 September 2010) was an Indian scientist and an academic. She was the first woman engineer from Karnataka. During her tenure at the Indian Institute of Science (IISc), Bangalore, Chatterjee was a professor and later chairperson of the department of Electrical Communication Engineering.

The program highlighted the biography and works of Prof. Rajeshwari Chatterjee who did remarkable works on Microwave Communication. The session was coordinated by Mrs. Sangita Roy & Mrs. Arnima Das, Assistant Professors, Department of ECE Department.

Abhishek narrated the life and works of Prof. Rajeshwari Chatterjee. Tathagata explains the activity of microwave and its importance with works of Prof. Chatterjee. Sruti elaborated microwave and radar applications. Finally Diptisha integrated microwaves and our daily applications. It was an interactive sessions. Students participated with enthusiasm.

The session was attended by around 80 participants. Interaction session became interesting, as not only the students raised questions, but teachers

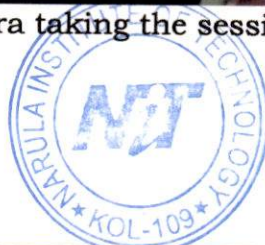
also took part actively and cleared their doubts regarding microwave and millimetre wave. The program highlighted the biography and works of Prof. Rajeshwari Chatterjee. She did remarkable works on Microwave Communication. **The session was coordinated by Mrs. Sangita Roy, Mrs. Arnima Das, Department of ECE Department.**



Session on going, Dated: 12/12/2020







Mr. Abhishek Mitra taking the session, Dated: 12/12/2020





Session on going, Dated: 12/12/2020

WEBINAR ON
RAJESHWARI CHATTERJEE
PIONEER WOMAN ENGINEER

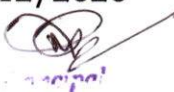
Organized by
Dept. of ECE
Collaboration with
IETE Kolkata Centre & CAS Student Branch,
IEEE Circuits & System Society

12th December, 2020 | 07.00 pm Onwards

Coordinators
Prof. Saradindu Panda
Prof. Sangita Roy
Prof. Arnima Das

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www.nit.ac.in

Session Dated: 12/12/2020


NARULA INSTITUTE OF TECHNOLOGY
31, Nilguni Road, Agarpara, Kol-109



'Relationship between Environment and Industry'

30th September,2020

Venue: Online platform

Objective of the event: To illustrate the importance of environment and its role in industrial development.

Venue: Online platform

Speakers : *Shri Alope Mookherjea, Renowned Expert on Industry and Environment and Past President of the Bengal Chamber of Commerce & Industry*

Number of participants: 65

Description of the Event:

A webinar on 'Relationship between Environment and Industry' was organised by Narula Institute of Technology on 30th September,2020. The webinar was coordinated by Mr. Somnath Chakraborty.

The webinar was facilitated by *Shri Alope Mookherjea, Renowned Expert on Industry and Environment and Past President of the Bengal Chamber of Commerce & Industry.*

At the outset Prof. (Dr.) M.R. Kanjilal, Principal, Narula Institute of Technology along with Ms. Nidhi Singh, Registrar, NiT inaugurated the session. Dr. Sriparna Guha, Mr. Biswanath Bhattacharya and Dr. Anushri Mallick, More than 65 students and faculty members across different engineering disciplines and Business Administration Department participated.

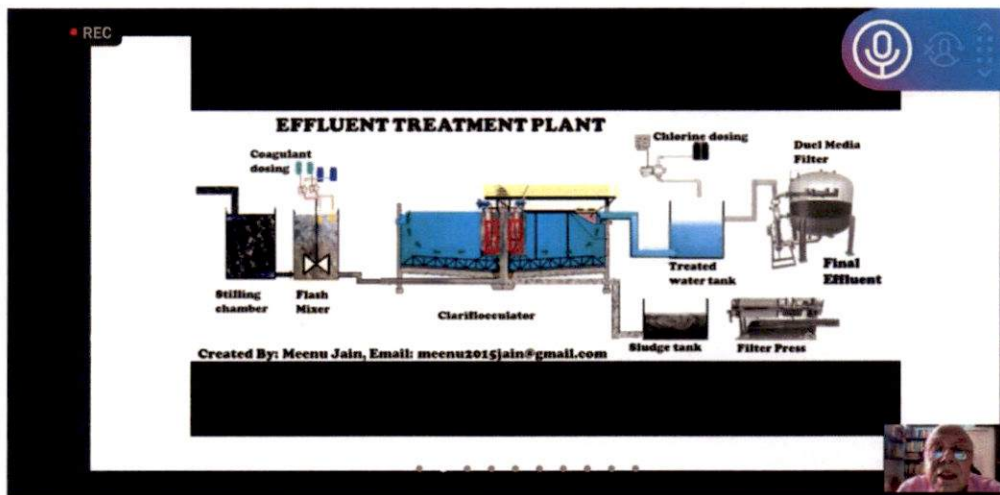
Addressing the webinar, Shri Alope Mookherjea stated that initially industry was not so much aware of implementing different types of laws and pollution abatement techniques as it was not mandatory but scenario underwent a sea change with passing of national & international laws and industry became responsible to abide by different norms and rules set by CPCB and SPCB.

He illustrated how water became a critical input in different industries like metallurgical, alloy, thermal plants as all these industries require huge quantity of water. So in order to recycle and reuse is the only option of survival. He explained how presence of particulate matters emitted from chimney or transport remains for a long time in the atmosphere thus causing acid rain and vitiating the overall environment. This apart several toxic pollutants like DDT Mercury causes health hazards. To reduce the impact of air pollution he suggested ATM dispersion modelling techniques to promote clean and green technology further. He

emphasised more on coherence between industry and PCB to ensure sustainable growth in post lock down period.

The session was very interactive and enlightening and all the members participated enthusiastically. **The Session ended with a vote of thanks by Mr. Somnath Chakraborty.**

Some screenshots of the webinar are



Session ongoing Shri Alope Mookherjea Dated: 30/09/2020



Session ongoing Shri Alope Mookherjea Dated: 30/09/2020


Principal
ARULA INSTITUTE OF TECHNOLOGY
31, Nilguni Road, Agaram, Kol-10'

Webinar
on
"Role of Instrumentation Engineers in the field of Non-Destructive Testing"
10th October 2020 from 11 AM

Objective of the event: To explained the analytical instrumentations and the Non-destructive testing types of equipment presently used in R&D fields

Venue: Online platform

Speakers: Mr. Chandan Dutta, working as a Senior Research Fellow in CSIR

Number of participants: 59

Description of the Event:

The Electronics and Instrumentation Engineering Dept. (EIE) of Narula Institute of Technology has conducted a Webinar on "Role of Instrumentation Engineers in the field of Non-Destructive Testing" on the 10th October 2020 from 11 AM to 12:30 PM.

Mr. Chandan Dutta, Alumni of the EIE Dept, NiT was the speaker of the session. He is presently working as a Senior Research Fellow in CSIR Metallurgical Laboratory of Jamshedpur. He has got four patents at his stake and has immense success in the research domain.

Mr. Dutta has explained the analytical instrumentations and the Non-destructive testing types of equipment presently used in R&D fields. He has also emphasized on the Strategy of preparation for GATE examinations and the scope of Instrumentation Engineering in the research field and higher studies. *59 students attended the session.*

Few glimpses of the webinar are attached herewith.



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REC Chandan Dutta is presenting

New Initiatives in Frontier Research

Area of Interest

- Sensors/Devices @ high T & P - A Global Demand
- Predictive Model for Diagnosis & Prognosis Protocol

Present Shortcomings

- Service exposed components are evaluated thru microstructural analysis:
Laborious, slow, offline (inadequate)
- Available NDE sensors limited to 300°C
Requirement > 650°C
- Conventional sensors and Data acquisition are not

Our Goal

- Multiparameters NDE model
- Eddy sensors coupled with multivariate inverse methods
- Networking of them for generating material condition information

Industries

- Wire drawing industries
- Power petrochemical industries
- Steel industries

People: SANMITRA BISWAS_16, DIBYENDU SUR, Chandan Dutta

Webinar from Alumni Corner of El... X

People (44)

Chat

You 11:37 AM
https://docs.google.com/forms/d/e/1FAIpQLSe7o96EhFEH9wvWfZewMA0XXMa0Z7EMCob3Vxxe1B3FMplujp/vevform?usp=sf_link

All

Session ongoing, Dated: 10/10/2020

REC Chandan Dutta is presenting

Role of Instrumentation Engineering in the Field of Non-Destructive Testing

Chandan Dutta,
 NDE & PMI group
 Advanced Materials & Processes Division
 CSIR- National Metallurgical Laboratory
 Jamshedpur - 831 007, India
 dutta.chandan93@gmail.com

People: Anup Marj, DIBYENDU SUR, SANMITRA BISWAS_16, Chandan Dutta

Webinar from Alumni Corn... ^

Turn on captions

Chandan Dutta is presenting

Webinar from Alumni Corner of El... X

People (43)

Chat

+

Add people

BANSARI DEB MAJUMDER (You)

Abhigyan Thakur 27

Abhik Sarkar

Aditya Bhattacharyya 15

AISHIKA SAHA_17

Ambalika Gupta

Arika Maitra

Arunava Bose

Speaker Mr. Chandan Dutta presenting, Dated: 10/10/2020

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 81, Nilmoni Road, Agartala, Kpt-10

**webinar on Storage Concepts - SAN
5th June, 2021**

Objective of the event: To discuss on the storage network technology with students.

Venue: Online platform

Speakers: Ms. Saugata Das, Senior Project Engineer, Wipro Ltd,
Number of participants: 65

Description of the Event:

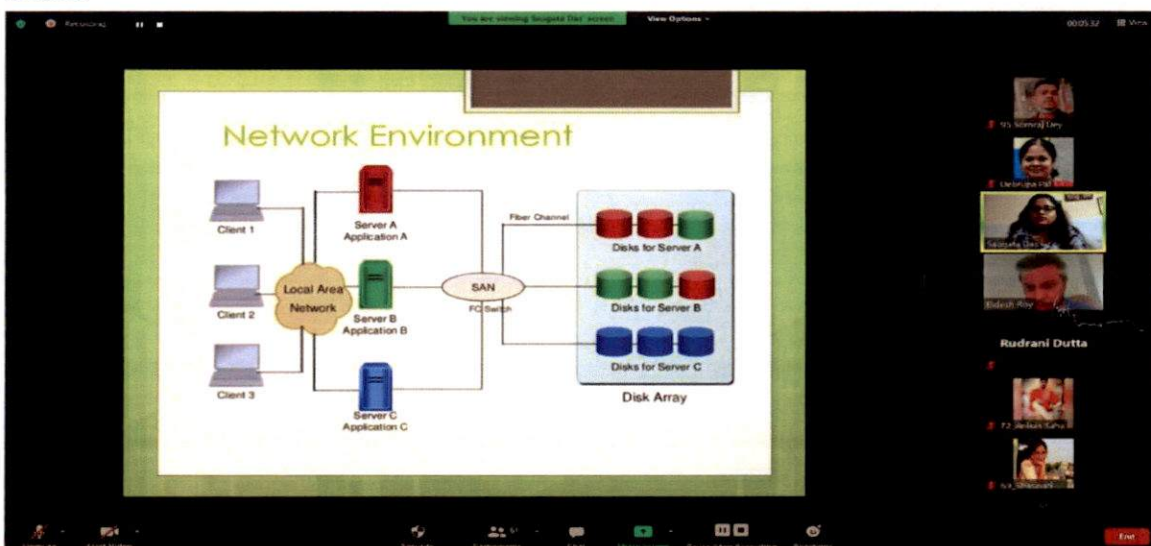
Narula Institute of Technology has organized a webinar on "Storage Concepts - SAN" on 5th June, 2021 from 10:30 AM onwards.

The session was facilitated by **Ms. Saugata Das, Senior Project Engineer, Wipro Ltd,**


Topics covered in the session are:

- Storage Networking Technology*
- Storage Area Network*
- Storage System & Types*
- RAID Technology*
- Virtualization*
- Server Virtualization*
- Storage Virtualization*

Around 65 students participated in the session. The session was very interesting and all the participants enjoyed and interacted with the speaker throughout the session. It was coordinated by Ms. Debrupa Pal and Rupa Saha



Session on going Dated: 05/06/2021


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Types of Storage

Primary Storage:

- Primary storage is also known as memory, which is directly accessible to the CPU
- Example : RAM and Cache memory

Secondary Storage:

- Secondary storage is also referred to as external memory or auxiliary storage and is the one which is not directly accessible by CPU
- Example: ROM, Flash memory, Floppy disks, magnetic tapes, optical drives like CD, DVD and also zip drives.

Session on going speaker Ms. Saugata Das Dated: 05/06/2021

Components of SAN

- Host Bus Adapter(HBA)
Installed in a Server(including the device drivers needed) to communicate within SAN

Participants (25)

- Debrupa Pal (Host, me)
- Saugata Das
- Bidish Roy
- (20) Soham Shom
- (25) - Dolon Biswas
- (30) Md trishar Ansari
- (3) Lubhanki sath
- 11 Sankar Das
- 13-Sachin Kumar
- 14 Arjun Das
- 15 Rupak Pal
- 18 Saunab Kumar
- 28. Disha Malty
- 37 Arghyadeep Indra
- 42 Sumanik Roychowdhury
- 44- Disha Ghosh
- 44_Arnab oja

Session on going Dated: 05/06/2021

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 51, Nilguni Road, Agarpara, Kol-106



**Webinar on 'TIPS TO SUCCESS '
on 17th October,2020
4.00 PM**

Objective of the event: To Motivate students towards Entrepreneurship and carrier development.

Venue: Online platform

Speakers : Sri. Subhasis Ghosh , Civil Engineer and an Entrepreneur.

Number of participants: 69

Description of the Event

The department of **Civil Engineering of Narula Institute of Technology** has organized a webinar on '**TIPS TO SUCCESS** ' on 17th October,2020 from 4.00 PM onwards.

The **Guest Speaker of the webinar was Sri. Subhasis Ghosh , Civil Engineer and an Entrepreneur.**

The session began with a briefing by Prof. Dr.Biman Mukherjee on success and how to achieve it. There after Sri. Subhasis Ghosh took the lead and explained all aspects of achieving success.

The followings key points were discussed:

- **Believe that efforts matter.** Rather than thinking the abilities are fixed or stuck, people who have a growth mindset believe that effort and hard work can lead to meaningful growth.
- **Learn new skills.** When faced with a challenge, they look for ways to develop the knowledge and skills that they need to overcome and triumph.
- **View failures as learning experiences.** People with growth mindsets don't believe that failure is a reflection of their abilities. Instead, they view it as a valuable source of experience from which they can learn and improve. "That didn't work," they might think, "so this time I'll try something a little different."
- **Stay curious.** Look for things that grab your attention and that you would like to learn more about.
- **Find support.** Doing things alone can be difficult, but having a strong support system can make things easier. Mentors, friends, co-workers, and family members can cheer on when things get tough, and even offer advice and assistance that can help improve chances for success.

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Around 69 participants including students and faculties from different Departments participated. The webinar was very motivating and enlightening for all the participants.

NIT Promotes Digital Education
#GharPePadhaiCoronaSayLadai

NIT | **JIS GROUP**
Educational Initiatives

WEBINAR ON

TIPS TO SUCCESS

Sri. Subhasis Ghosh
Civil Engineer
&
Entrepreneur

Organized by
Department of Civil Engineering

17th | **Oct**
4.00 pm Onwards | **2020**

NARULA INSTITUTE OF TECHNOLOGY
WWW.NIT.AC.IN | 8902496650

Sri. Subhasis Ghosh Dated: 17/10/2020



Audience along with Sri. Subhasis Ghosh presenting Dated:17/10/2020


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81, Nilguni Road, Aarpara, Kol-109

**"Towards Bangla Handwriting Recognition system"
1st October, 2020
4 PM onwards**

Objective of the event: To make students enhance knowledge on AI and the Handwriting recognition specifically for Bangla Script

Venue: Online platform

Speakers : Dr. Kaushik Roy, Professor & HEAD, CSE Department, Barasat State University, Barasat

Number of participants: 55

Description of the Event:

Under the #GharPePadhaiCoronaSayLadhahi initiative by Narula Institute of Technology and has organized a **webinar on "Towards Bangla Handwriting Recognition system" on 1st October, 2020 from 4 PM onwards.**

The **session was facilitated by an eminent academician, Dr. Kaushik Roy, Professor & HEAD, CSE Department, Barasat State University, Barasat.**

The Topics covered in the session are:

Pattern Recognition system

Convolution Neural Network

Deep Learning and its application

A case study on bangla character recognition system

Around **55 students attended the session.** Ms. Rupa Saha, , Department of Computer Application and Ms. Subhasree Bhattacharjee, coordinated the session.

Few snapshots and recording of the session are attached herewith.



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E. Nityananda, Barasat

Character recognition

- Rule based approach to form characters from recognized strokes [19]

stroke1	Stroke2	Stroke3	stroke4	stroke5
3	_AA	-	-	A
3	_AA	MTR	-	A
3	AAA	-	-	AA
3	AAA	MTR	-	AA
3	_AA	_A	-	AA
3	_AA	_A	MTR	AA

Table 12. Rules for constructing characters 'a' and 'o'

This work has been published in ACSS 2016

Session ongoing Dated: 01/10/2020

Challenges

- Variation of strokes with respect to position.

Stroke	Position with respect to character	Word sample containing the stroke
↙	In top position	আম
	In middle position	চাষ
	In bottom position	হটাত
	In upper position	গব

Fig. 2. Challenges due to varied position of same stroke in different characters.

- Segmentation of word

Dr. Kaushik Roy presenting Dated: 01/10/2020

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**"One-day seminar on National Education Policy 2020"
on 26th March 2021 at 11 AM on Zoom Platform.**

Objective of the event: To provide a fundamental understanding of objectives of NEP 2020 like Self – reliant India, Sustainable development goals, Education as Economy booster, Internationalizations of Higher Education, Digitalized pedagogy and classrooms, a layered Accreditation system & Equipping teachers with latest technology and education methodology.

Venue: Online platform

Speakers :

Prof. (Dr.) Saikat Maitra, Vice-Chancellor, MAKAUT

Prof. (Dr.) Debkumar Mukherjee, Vice-Chancellor, Cooch Behar Panchanan Barma University

Prof. (Dr.) Sadhan Chakraborti, Vice Chancellor, Kazi Nazrul University

Prof. T V Kattimani, Vice-Chancellor, Central Tribal University, Andhra Pradesh

Prof. (Dr.) Indranil Sengupta, Vice-Chancellor, JIS University

Number of participants: 100

Description of the Event:

We are very delighted to share that Narula Institute of Technology, under the aegis of JIS Group Educational Initiatives has organized a **"One-day seminar on National Education Policy 2020" on 26th March 2021 at 11 AM on Zoom Platform.** The main objective of this webinar is to provide a fundamental understanding of objectives of NEP 2020 like Self – reliant India, Sustainable development goals, Education as Economy booster, Internationalizations of Higher Education, Digitalized pedagogy and classrooms, a layered Accreditation system & Equipping teachers with latest technology and education methodology.

The inaugural session began with the Sarawati Vandana & the auspicious Lamp lightning followed by the welcome address by Prof.(Dr.) Maitreyi Ray Kanjilal, Principal, NiT. The theme of the seminar was illustrated by Dr. Saradindu Panda- and the vote of thanks was delivered by Ms. Nidhi Singh-Registrar, NiT.

The speaker forum includes some of the most renowned personages in the education sector as:

Prof. (Dr.) Saikat Maitra, Vice-Chancellor, MAKAUT

Prof. (Dr.) Debkumar Mukherjee, Vice-Chancellor, Cooch Behar Panchanan Barma University

Prof. (Dr.) Sadhan Chakraborti, Vice Chancellor, Kazi Nazrul University

Prof. T V Kattimani, Vice-Chancellor, Central Tribal University, Andhra Pradesh

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Prof. (Dr.) Indranil Sengupta, Vice-Chancellor, JIS University

The speakers shared the vision for Higher Education in India with a focus on three main elements i.e. Students enrolling in the Higher Education System Holistic and Multidisciplinary Education and Educational Technology & Online Education. They also shed light on the current state of the Learning Crisis.

The substantial impetus placed on vocational education or hands-on learning in the new policy will give rise to multiple hybrid jobs. With the rapid progression of information technology, and to be able to offer the students a much broader, multidisciplinary foundation, they expressed the importance of using a holistic and multidisciplinary learning approach which will help the learners adapt and reinvent themselves to the demands of the new hybrid work culture and dynamic socio-cultural changes. They also highlighted the National Educational Technology Forum which provides independent evidence-based advice, builds institutional and intellectual capacities, envisions strategic thrust, articulates new directions, and also research.

It was a great learning experience for all the participants. **More than 100 participants** joined through zoom, Facebook Live and YouTube.

Prof. Amlan Chakraborty, COE-NiT and Mr. Somnath Chakraborty, Asst.Prof.-BA Dept. raised some of the very intriguing questions during the question answer session.

The seminar was coordinated by Ms.Sharmistha Basu,Assistant Professor,BS&HU Department-NiT & Mr. Shiladitya Mondal, Assistant Professor,Civil Department-NiT.

The pictures are attached herewith for your kind reference



Session ongoing, Dated: 26/03/2021





Dr. Debkumar Mukhopadhyay taking the session, Dated: 26/03/2021

ONE DAY SEMINAR ON

National Education Policy 2020

MARCH 26, 2021 | 11:00 AM | FRIDAY

Join us LIVE on Facebook & YouTube

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Session, Dated: 26/03/2021


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'Different Aspects of Structural Analysis '
13th March,2021
4.00 PM onwards.

Objective of the event: To discuss on *Impact Mechanics* and methods.

Venue: Online platform

Speakers : *Prof.(Dr.) Amit Shaw, Associate Professor-IIT Kharagpur.*

Number of participants: 50

Description of the Event:

The **Department of Civil Engineering of Narula Institute of Technology** has organized the 1st session of the lecture series in association with **IIT Kharagpur on 'Different Aspects of Structural Analysis '** from 13th **March,2021** from 4.00 PM onwards. The session was **coordinated by Prof.(Dr.) Biman Mukherjee, HOD- CE Department and Ms. Anasuya Mondal, CE Department.**

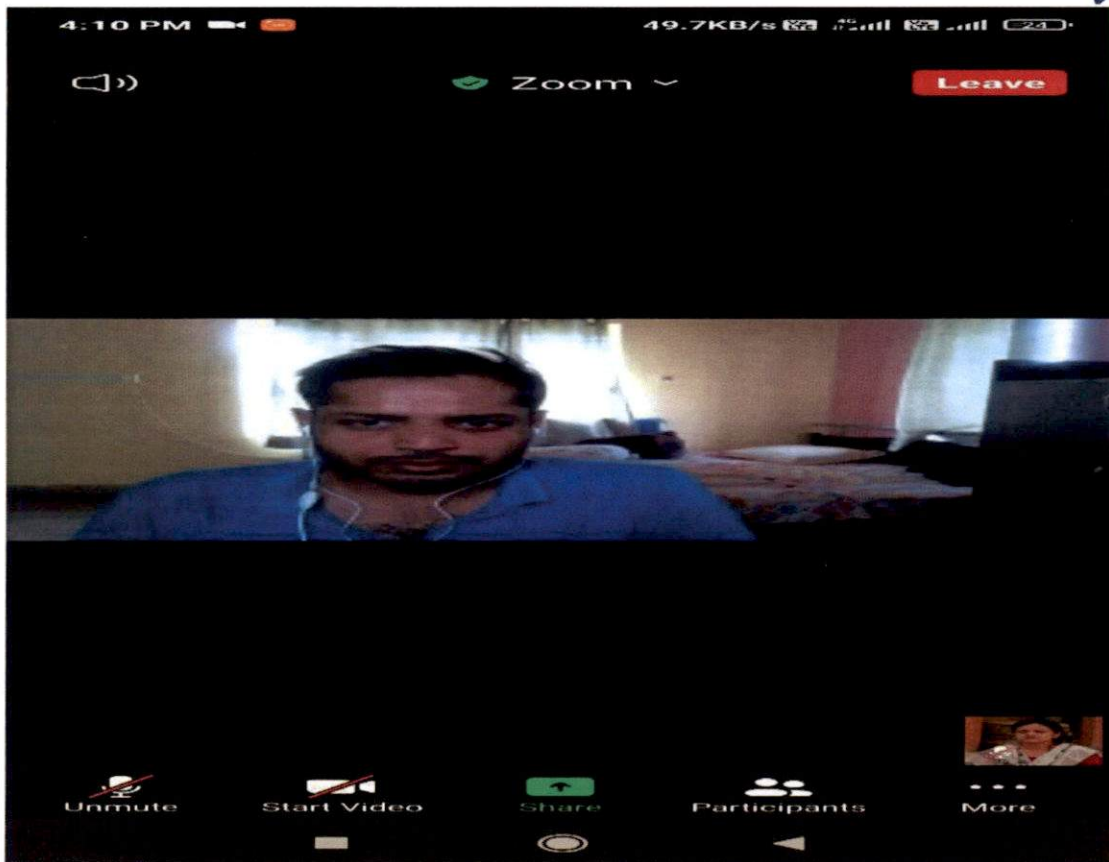
The **Guest Speaker of the webinar was Prof.(Dr.) Amit Shaw, Associate Professor-IIT Kharagpur. He expertises in Impact Mechanics, Particle based methods ,Low cost protective vest using natural fibers.**

During the session Dr. Shaw discussed the concepts of methods of structural analysis with examples.

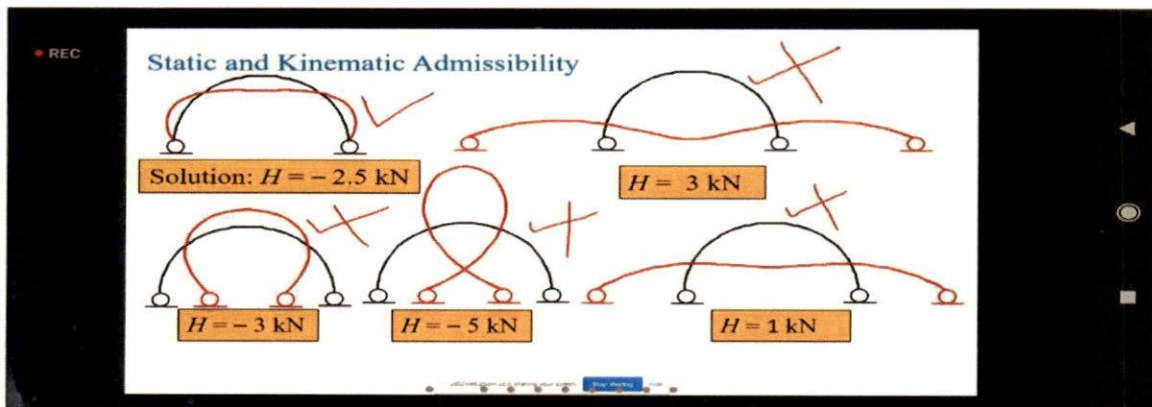
The purpose of the lecture series is to make students ready for the industry by infusing technical knowledge in this field by academic experts. This may also increase the potentiality of campus interviews by core companies.

A Total 50 participants from 2nd , 3rd, 4th year B.Tech and 2nd and final year Diploma participated along with faculty members of CE Department.

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Speaker Prof.(Dr.) Amit Shaw taking session Dated: 13/03/2021



Session ongoing Dated: 13/03/2021





Lecture Series
On
Different Aspects of Structural Analysis

13th March, 2021 / 4:00 PM IST
Lecture 1

Organized by
Department of Civil Engineering
In Collaboration With
IIT KGP



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(NIRF ranked college. NAAC accredited institute)
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Dr. Amit Shaw
Associate Professor
Department of Civil Engineering
IIT Kharagpur

Speaker Prof.(Dr.) Amit Shaw Dated: 13/03/2021



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81, Nilguni Road, Agarpara, Kol-109

"Machine Learning in the Internet of Things"
16th April, 2021 from 11 AM onwards
Venue: Online platform

Objective of the event: To enhance the knowledge of the student on IoT.

Venue: Online platform

Speakers : Mr. Atanu Roy Chowdhury, Founder CEO, Capsule Labs.
Number of participants: 100

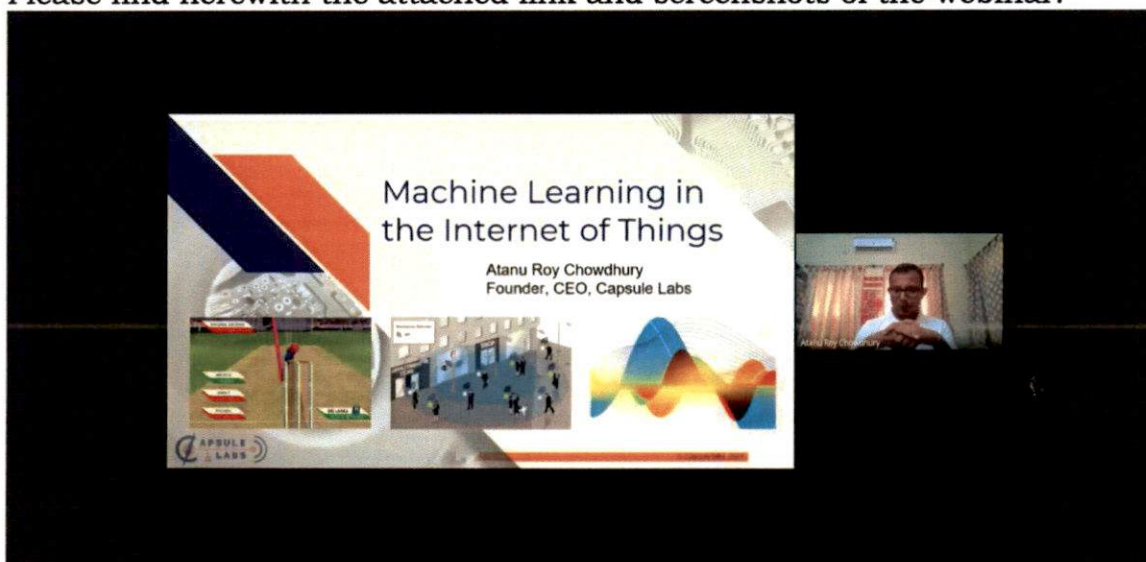
Description of the Event:
Narula Institute of Technology has organized a webinar on "Machine Learning in the Internet of Things" on 16th April, 2021 from 11 AM onwards.

The session was facilitated by **Mr. Atanu Roy Chowdhury, Founder CEO, Capsule Labs.**

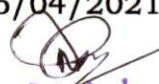
Topics covered in the session are:

Definition of IoT system
Usage of Deep Learning for classification
Introduction to Prediction Algorithms for forecasting
Infrastructure of an IoT system

More than 100 students and departmental faculty members participated in the session. The session was very interesting. All the participants enjoyed and interacted throughout the session. It was coordinated by **Ms. Subhasree Bhattacharjee.**
Please find herewith the attached link and screenshots of the webinar.



Mr. Atanu Roy Chowdhury taking the session Dated: 16/04/2021


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1, Nilmoni Road, Agarama, Kol-10

Update model

Learning – ability to process new information and adapt world view.

Machine learning represents nudges to coefficients in a mathematical model at quantized intervals.

INDIA VS AUSTRALIA
DEC 02, 2020 | CANBERRA

India: 302/5 (50.6 overs); Australia: 289/10 (49.3 overs)

India won the match.

Win probability of India

Over

Session ongoing Dated: 16/04/2021

Principal

ARULA INSTITUTE OF TECHNOLOGY
81, Nilgunj Road, Agarpara, Kol-106

**A webinar on
'Scope and Opportunities in Financial Market'
on
20th April, 2021
Venue: Online platform**

Objective of the event: To address students on the different types of instruments and scope of job opportunities in the financial market.

Venue: Online platform

Speakers : Dr.Arindam Saha, M.D. Vista Intelligence Pvt. Ltd.

Number of participants: 38

Description of the Event:

Narula Institute of Technology organised a webinar on 'Scope and Opportunities in Financial Market' on 20th April, 2021 at 11 AM. The objective was to address different types of instruments and scope of job opportunities in the financial market.

Dr. Sriparna Guha introduced Dr. Arindam Saha and offered a formal welcome before the house. Mr Somnath Chakraborty hosted the meeting. Mr. Sanjeev Goyal, CFO, JIS Group was also present and participated at the animated discussion during the webinar.

Dr.Arindam Saha, M.D. Vista Intelligence Pvt. Ltd. was the main speaker. Prior to this assignment, he worked in diverse segments- Indian Chamber of Commerce, FIEO, The Economic Times, Multi Commodity Exchange, National Stock Exchange, Bombay Stock Exchange, Ticker Plant Private limited where he performed key roles in energy management, business development, strategy, business development and corporate communication.

Addressing the gathering Dr. Saha discussed several aspects associated with the financial market and current job scenario. He further elucidated that to become a trader understanding and knowledge of domain as well as tie series movements are must. Since Such 'jobs' exist in very large numbers - if one opts for it then it is expected that certain certificates / authorisations are needed.

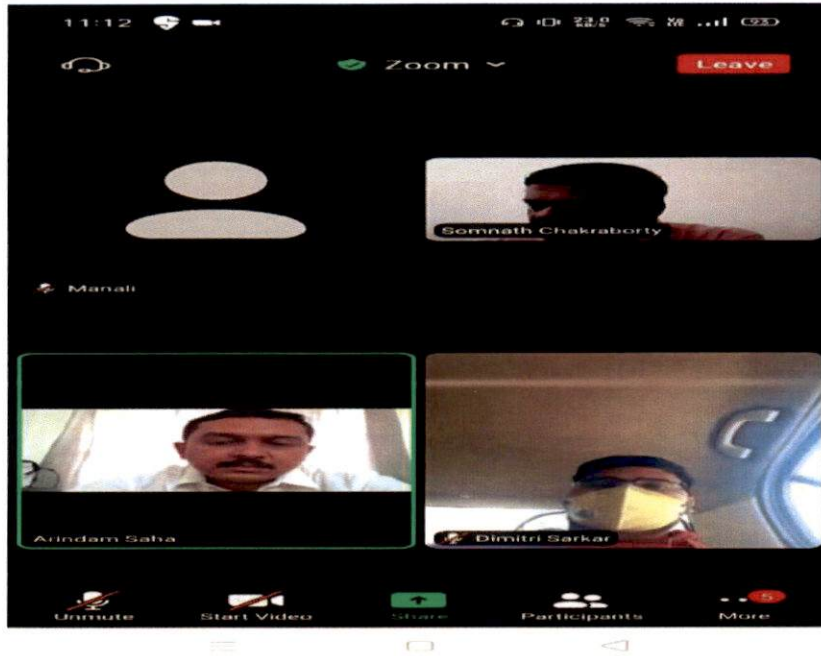
38 students attended the webinar along with the faculty members. The session was an engrossing experience for all of our participants followed by an excellent doubt clearing session.



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Finally he concluded that in India the opportunities are big as hardly about 10 cr people / say, about 10% of the population are directly or indirectly connected with the market - rest are green fields. In developed markets the coverage could be 30% plus. So a huge upside is untapped. To comment on the future potential he informed that the market is moving towards data analytics using AI and other quant models and hence advised students to read Daily newspapers in order to survive in this market.



Session ongoing speaker Dr.Arindam Saha , Dated: 20/04/2021



Session ongoing, Dated: 20/04/2021



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International Webinar session

On

“Multi Agent System”

28th April, 2021.

Venue: Online platform

Objective of the event: To discuss with students about the multi agent system.

Venue: Online platform

Speakers : Ms. Abira Sengupta, an Alumnus of CSE 2013 passout batch from Narula Institute of Technology. She is presently doing her PhD in Otago University, New Zealand

Number of participants: 100

Description of the Event:

The **Department of Computer Science & Engineering of Narula Institute of Technology** has organized an **International Webinar session on “Multi Agent System” on 28th April, 2021.**

The resource person for the webinar was Ms. Abira Sengupta, an Alumnus of CSE 2013 passout batch from Narula Institute of Technology. She is presently doing her PhD in Otago University, New Zealand.

The program commenced with a welcome Address followed by Introduction to the speaker. The Session was very much informative, enjoyable and interactive. Ms. Sengupta shared her research work, her experience with participants and also attended question answer sessions. It was indeed a veery motivational session.

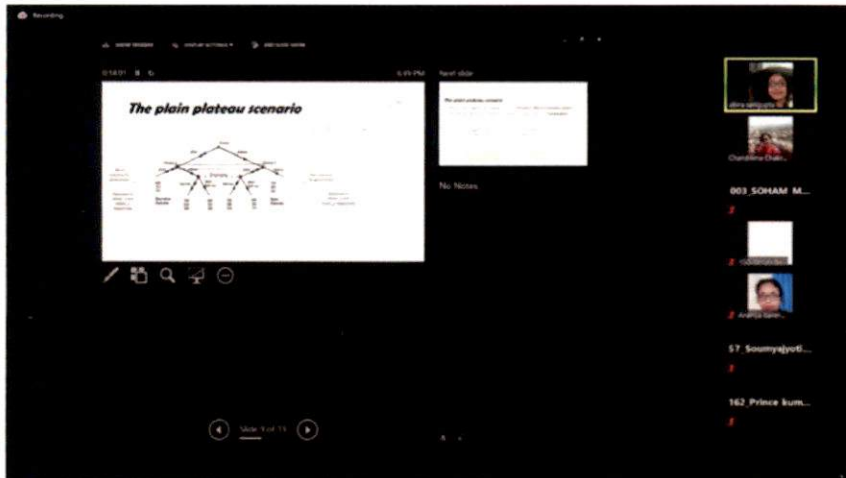
More than 100 participants including students, faculty & staff members attended the session.

This webinar session was coordinated by Ms. Chandrima Chakrabarti, Ms. Ms. Sagarika Chowdhury, CSE Dept. The convener of the program was Mr. Jayanta Pal, CSE Dept.

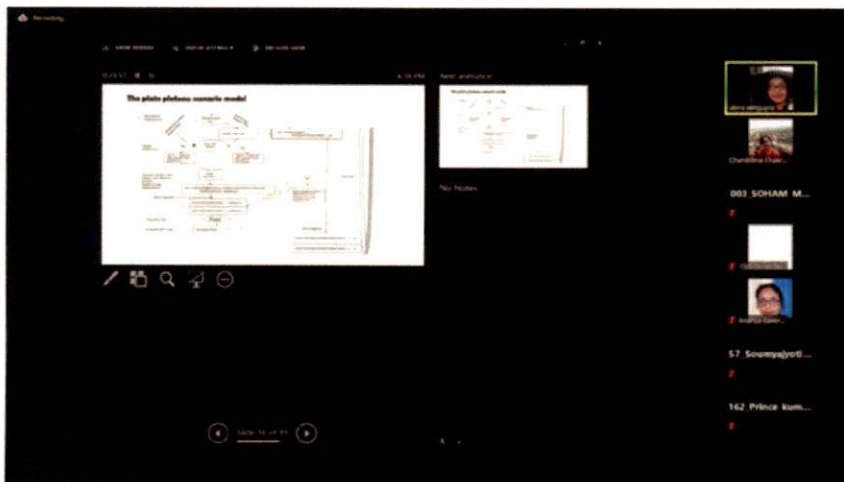
The program ended with a vote of thanks by Ms. Chandrima Chakrabarti. The session was highly appreciated by the students.

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Session on going, Dated: 28/04/2021



Session on going, Dated: 28/04/2021


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**International webinar
On
'SUSTAINABLE CITY '
on 10th October,2020 from 12.00 PM onwards.
Venue: Online**

Objective of the event: To make students understand the present scenario on sustainability and how to achieve it.

Venue: Online platform

Speakers : Prof. Dr. Nitin Kumar Tripathi, Professor and Director of Special Degree Program in Asian Institute of Technology, Bangkok.

Number of participants: 71

Description of the Event:

The Department of Civil Engineering of Narula Institute of Technology has organized an International webinar on 'SUSTAINABLE CITY ' on 10th October,2020 from 12.00 PM onwards.

The Guest Speaker of the webinar was Prof. Dr. Nitin Kumar Tripathi, Professor and Director of Special Degree Program in Asian Institute of Technology, Bangkok.

The session began with a briefing by Prof. Dr. Biman Mukherjee, HoD-Civil Engineering-NIT, on the present scenario on sustainability and how to achieve it. There after Prof. Dr. Nitin Kumar Tripathi took the lead and explained all aspects of sustainability.

The followings key points were discussed:

- Numerous challenges threaten the ability of cities to become viable pillars of sustainable development. Unequal access to, and inefficient use of, public services, as well as financial fragility and the harm inflicted by natural hazards, demand an integrated and coordinated response at the local, national and international levels.
- The predominance of small- and medium-sized cities provides an opportunity to invest in green infrastructures, bypassing old energy technologies, and in social development, before social inequities become unsustainable.
- Rural development is critical for an integrated approach to sustainability and for reducing poverty. Ensuring wider and inclusive access to public services can reduce rural/urban inequalities, disaster risk and food insecurity, as well as strengthen networks between cities and villages.
- Building sustainable cities requires investment in (a) renewable energy sources, (b) efficiency in the use of water and electricity, (c) design and implementation of compact cities, (d) retrofitting of buildings and increase of green areas, (e) fast, reliable and affordable public

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transportation and (f) improved waste and recycling systems. Cities in poor countries need resources to support green technology transfer, and capacity development, and to improve access to soundly constructed housing, water and sanitation, electricity, health and education. **Around 71 participants including students and faculties from different departments participated.** The webinar was very motivating and enlightening for all the participants.

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NIT | **JIS GROUP**
Educational Initiatives

INTERNATIONAL WEBINAR ON
SUSTAINABLE CITY

Dr. Nitin Kumar Tripathi
Professor
and
Director-Special Degree Program
School of Engineering and Technology
Asian Institute of Technology, Bangkok

Organized by
Department of Civil Engineering

10th Oct 2020
12.00 pm Onwards

NARULA INSTITUTE OF TECHNOLOGY
WWW.NIT.AC.IN | 8902496650

Speaker: Prof. Dr. Nitin Kumar Tripathi Dated: 10/10/2020

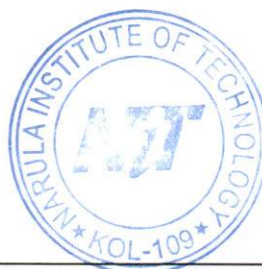
Variation in green and built environment

- Total % Increase = $\frac{\text{Area in 2012} - \text{Area in 1994}}{\text{Area in 1994}} \times 100$ (Built-up %)
- Total increase in built-up (1994 to 2012) = 19%
- Total % Decrease = $\frac{\text{Area in 1994} - \text{Area in 2012}}{\text{Area in 2012}} \times 100$ (Greenery %)
- The total decrease in greenery since 1994 to 2012 is 26% within the boundary of Bangkok.

Prof. Nitin Tripathi's screen

LIVE on YouTube

Session ongoing Dated: 10/10/2020





Session ongoing with Prof. Dr. Nitin Kumar Tripathi Dated: 10/10/2020



Audience with Prof. Dr. Nitin Kumar Tripathi Dated: 10/10/2020


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