

Report on Awareness of Trends in Technology

Seminars, workshops, and webinars are conducted for engineering students to bridge the gap between theoretical knowledge and practical application, equipping them with the skills required in today's rapidly evolving technological landscape. These interactive sessions provide exposure to the latest advancements in engineering fields, emerging technologies, and industry best practices, often presented by professionals and experts. They also encourage collaborative learning, problem-solving, and critical thinking, allowing students to deepen their understanding beyond classroom theory. By engaging in these activities, students gain valuable insights into real-world challenges, build professional networks, and enhance their readiness for successful careers in engineering and technology.

In addition to seminars, students participate in industrial visits to observe real-world operations and workflows. These visits provide invaluable firsthand experience, allowing students to witness how businesses implement strategies, manage resources, and optimize processes. Interacting with professionals in actual work environments also enables students to understand industry challenges, explore potential career paths, and build professional networks. Altogether, these initiatives ensure that graduates are well-prepared to enter the workforce with a practical understanding of current industry practices and trends.

Name of the capability enhancement program	Year	Name of the agencies/consultants	Objective
Psychrometry and Its Application in HVAC	2024	Mr. Dipak Barma, HVAC industry	Learn how Humidity control enhances HVAC efficiency
Arsenic contamination in groundwater: Sources, Accumulation, Impacts and Remediation	2024	Dr. Sayan Bhattacharya, Assistant Professor School of Ecology and Environment Studies, Nalanda University, Rajgir	Comprehensive insights into arsenic challenges
Hack-O-NiT, Hackathon by Narula Institute of Technology	2024	Dr. Nidhi Singh, Registrar, Narula Institute of Technology	Innovative solutions and collaborative learning
Industry Visit to Parle G, Dhulagarh, Kolkata	2024	Dr. Bansari Deb Majumdar, HOD, EE Department, Narula Institute of Technology	Industrial Exposure about software development process.
Industrial visit to Oil and Natural Gas Corporation Limited (ONGC), Drilling Site at Ranaghat, Kolkata	2024	Ms. Sanghamitra Layek, TIC, ECS Department, Narula Institute of Technology	Practical exposure to drilling operations.
Technical seminar titled "MERN Stack Development"	2024	Ms. Rupa Saha, TIC, CA Department, Narula Institute of Technology	Full-stack expertise with JavaScript
Seminar titled "Recent Advancements in Remote Sensing Technology"	2024	Mr. Rakesh Kumar, Construction Manager, L & T Ltd	Enhanced understanding of sensing innovations


Industrial Visit to Variable Energy Cyclotron Centre (VECC), Saltlake, Kolkata	2024	Mr. Pranab Hazra, HOD ECE Department, Narula Institute of Technology	Understanding of Advanced cyclotron technology and applications
Industrial Visit to Kolaghat Thermal Power Station (KTPS)	2024	Mr. Pranab Hazra, HOD ECE Department, Narula Institute of Technology	Knowledge of Energy production processes and efficiency
TCSCON 2024, an International Conference on Technology, Communication, and Science	2024	Dr. Sarbani Ganguly, HOD CA Department, Narula Institute of Technology	Knowledge gain about Advancements in technology, communication, science
Industry Visit to Euphoria GenX, Salt Lake City, Kolkata	2024	Mr Sudip Das, Assistant Professor, CA Department, Narula Institute of Technology	Hands-on learning through industry exposure
One-Day Workshop on "Modern Geotechnical Advancement in Civil Engineering Domain"	2024	Prof (Dr.) Biman Mukherjee, Professor CE Department, Narula Institute of Technology	Enhancing student knowledge in geotechnics
Seminar on Importance of Design, Critical Thinking, and Innovation	2024	Dr. Sumit Chabri, HOD ME Department, Narula Institute of Technology	Foster creativity, problem-solving, and innovation.
Technical seminar titled "Data Science and Machine Learning for Smart Cities and Smart Healthcare."	2024	Dr. Nitin Kumar Tripathi, Chairman-Academic Senate and Director-Special Degree Programs at the School of Engineering and Technology, Asian Institute of Technology, Bangkok	Enhance expertise in AI applications
Technical Seminar on "Background Beauty of Digital Design"	2024	Dr. Anup Dandapat, Associate Professor, ECE department NIT Meghalaya.	Inspire innovation through design insights
Industry Visit to Euphoria GenX, Salt Lake City, Kolkata	2023	Mr Sudip Das, Assistant Professor, CA Department, Narula Institute of Technology	Experience real-world industry applications.
Invited Talk on "Recent Development of Formalin Fish Sensor using Graphene"	2023	Prof. Dr. Hemen Kalita, Department of Physics, Gauhati University	Inspire innovation in sensor technology
Industrial Visit to Electronics Regional Test Laboratory (ERTL)	2023	Mr. Pranab Hazra, HOD ECE Department, Narula Institute of Technology	Hands-on exposure to electronics testing
Industrial visit to Webskitters Technology Solutions Pvt. Ltd.	2023	Dr. Subhram Das, HOD CSE Department, Narula Institute of Technology	Enhance practical knowledge and employability
Industrial Visit to Euphoria GenX, Salt Lake City, Kolkata.	2023	Mr Sudip Das, Assistant Professor, CA Department, Narula Institute of Technology	Experience real-world industry applications.
Industrial Visit at the Fiber Optics Photonics Division in Central Glass & Ceramic Research Institute (CGCRI) Kolkata, a premier R & D unit of CSIR, Govt of India	2023	Ms. Sanghamitra Layek, TIC, ECS Department, Narula Institute of Technology	Knowledge gain about science and technology

Industrial visit to Coca-Cola (Diamond Beverages Pvt. Ltd.)	2023	Ms. Sanghamitra Layek, TIC, ECS Department, Narula Institute of Technology	Understanding manufacturing, operations, and management.
Hack-O-NiT, Internal Hackathon	2023	Dr. Nidhi Singh, Registrar, Narula Institute of Technology	Enhance skills through collaborative innovation
Industrial Visit to Euphoria GenX, Salt Lake City, Kolkata.	2023	Dr. Subhram Das, HOD CSE Department, Narula Institute of Technology	Experience real-world industry applications.
Industrial Visit to Euphoria GenX, Salt Lake City, Kolkata.	2023	Mr Sudip Das, Assistant Professor, CA Department, Narula Institute of Technology	Experience real-world industry applications
Industry Visit to Water Treatment Plant, Newtown, Kolkata	2023	Dr Bansari Deb Majumdar, HOD, EE Department, Narula Institute of Technology	Practical exposure to water treatment
Seminar on Software Defined Network and Security	2023	Prof. (Dr.) J. K. Mandal, Former Vice Chancellor , Raiganj University	Enhance network knowledge, security expertise
Webinar on "What it Takes to Become a Valuable Engineer"	2023	Dr Suchismita Maiti and HOD, IT Department, Narula Institute of Technology	Develop skills for engineering excellence.
Industrial Visit to Euphoria GenX	2023	Dr. Subhram Das, HOD CSE Department, Narula Institute of Technology	Experience real-world industry applications.
Industrial Visit to Howrah 220kV substation of WBSETCL and State Load Dispatch Centre (SLDC)	2023	Dr Bansari Deb Majumdar, HOD, EE Department, Narula Institute of Technology	Practical exposure to electrical systems.
Industrial Visit to Ardent Computech Pvt Ltd	2023	Dr Suchismita Maiti and HOD, IT Department, Narula Institute of Technology	Experience real-world industry applications.
Industry Visit to Parle G, Dhulagarh, Kolkata	2023	Dr Bansari Deb Majumdar, HOD, EE Department, Narula Institute of Technology	Experience real-world industry applications.
Webinar titled "Preliminary Understanding of CAD CAM"	2023	Dr. Sumit Chabri, HOD ME Department, Narula Institute of Technology	Enhance design skills and knowledge.
Invited Talk on "Artistic Multiscript Document Recognition"	2023	Ms Rupa Saha, TIC, CA Department, Narula Institute of Technology	Enhance skills in document recognition

**Webinar on
What it takes to become a
“Valuable” Engineer**


Organized by
Department of Information Technology
In Association with
Alumni Association, NIT

26th August
7 PM Onwards
Online Mode



Ms. Sayani Ghosh
Director, Data Engineering
The Hartford, CT, USA
Alumni, Batch of IT 2012

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Webinar on What it takes to become a “Valuable” Engineer



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Long 88.379128°
22/08/24 03:53 PM GMT +05:30

GPS Map Camera

SEMINAR ON
Advanced System Study & Process
Improvement Techniques in Core Indust

EMINENT SPEAKERS
Dhadeb Singh
Electrical Engineer
(West of India)
Gujarat
Chakraborty
Consultation
firm,
Gujarat

22nd AUGUST

Workshop on Prototype/Process Design and Development- Prototyping



Workshop on “Modern Geotechnical Advancement in Civil Engineering Domain”

NIT | **JIS GROUP**
Educational Initiatives

DEPARTMENT OF COMPUTER APPLICATION
NARULA INSTITUTE OF TECHNOLOGY
Organizes
Webinar on

**“Arsenic contamination in groundwater:
Sources, Accumulation, Impacts and Remediation”**

Speaker
Dr. Sayan Bhattacharya
Assistant Professor
School of Ecology &
Environment Studies
Nalanda University, Rajgir

DATE: 28.05.2024
TIME: 03:00 PM ONWARDS

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Webinar on Arsenic Contamination in groundwater



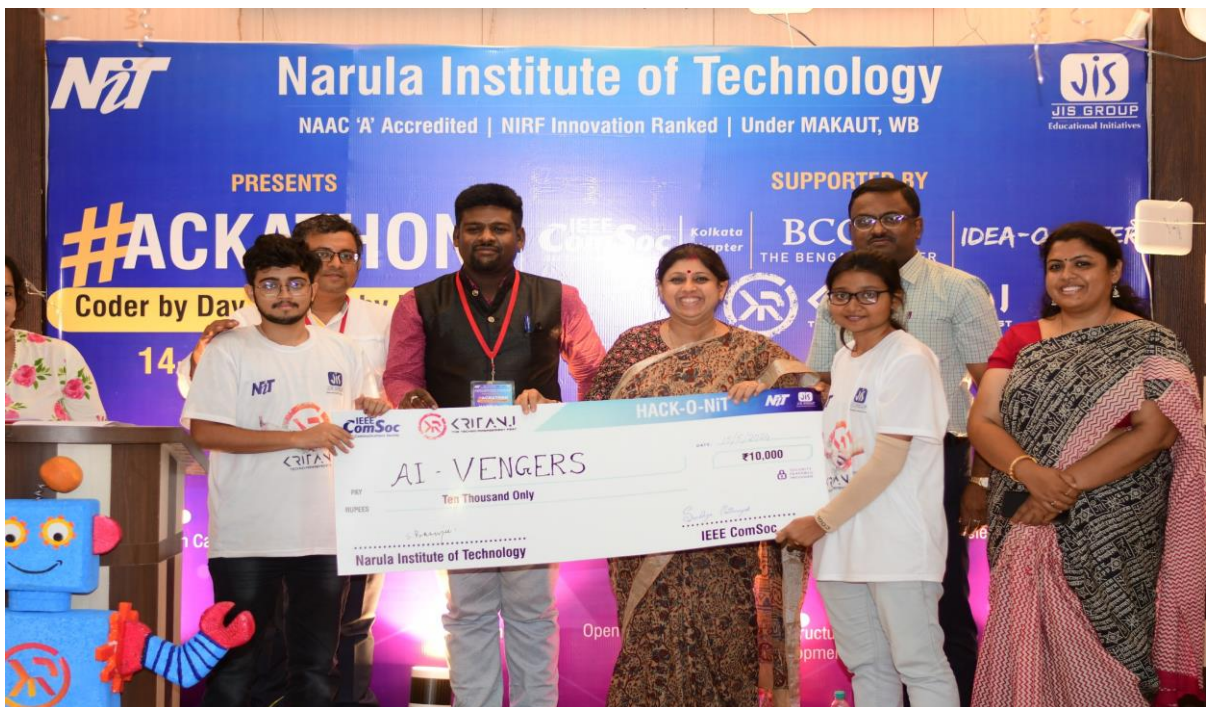
Seminar on Psychrometry and Its Application in HVAC



Seminar on Importance of Design, Critical Thinking, and Innovation



Industrial Visit to Water Treatment Plant



Robotics Workshop



INVITED TALK
Artistic Multiscript Document Recognition
25TH JULY, 2023 | 03:00 PM | Radhakrishnan Auditorium



Prof. (Dr.) Kaushik Roy
Head of the Department of Computer Science,
West Bengal State University
Barasat

Organized by
Department of Computer Application
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Industrial Talk to Artistic Multiscript Document Recognition



Webinar
On
“Preliminary Understanding of CAD-CAM Software.”
On 27th July, 2023.11.00 a.m. onwards.
Under the expertise of



Mr. Pushkaraj Bhandari
Associate Technical Manager,
Trident Techlabs Pvt Ltd,
18 years experience in Mechanical CAD/CAM software
Program Co-ordinator: Dr Goutam Roy, Ast. Prof., Dept. of ME, NiT
Organized by
The dept. of Mechanical Engineering.
Narula institute of technology, Agarpara, Kolkata-109

Webinar on CAD-CAM Software



Technical seminar titled "Data Science and Machine Learning for Smart Cities and Smart Healthcare"



Industrial Visit to Variable Energy Cyclotron Centre (VECC), Saltlake, Kolkata



Industrial Visit to Kolaghat Thermal Power Station



Industrial Visit to Central Glass and Ceramic Research Institute



Industrial Visit to Coca-Cola (Diamond Beverages Pvt. Ltd.)



Industrial Visit to Euphoria GenX (CSE)



Industrial Visit to Euphoria GenX (IT)



Industrial Visit to to Euphoria GenX (CSE)



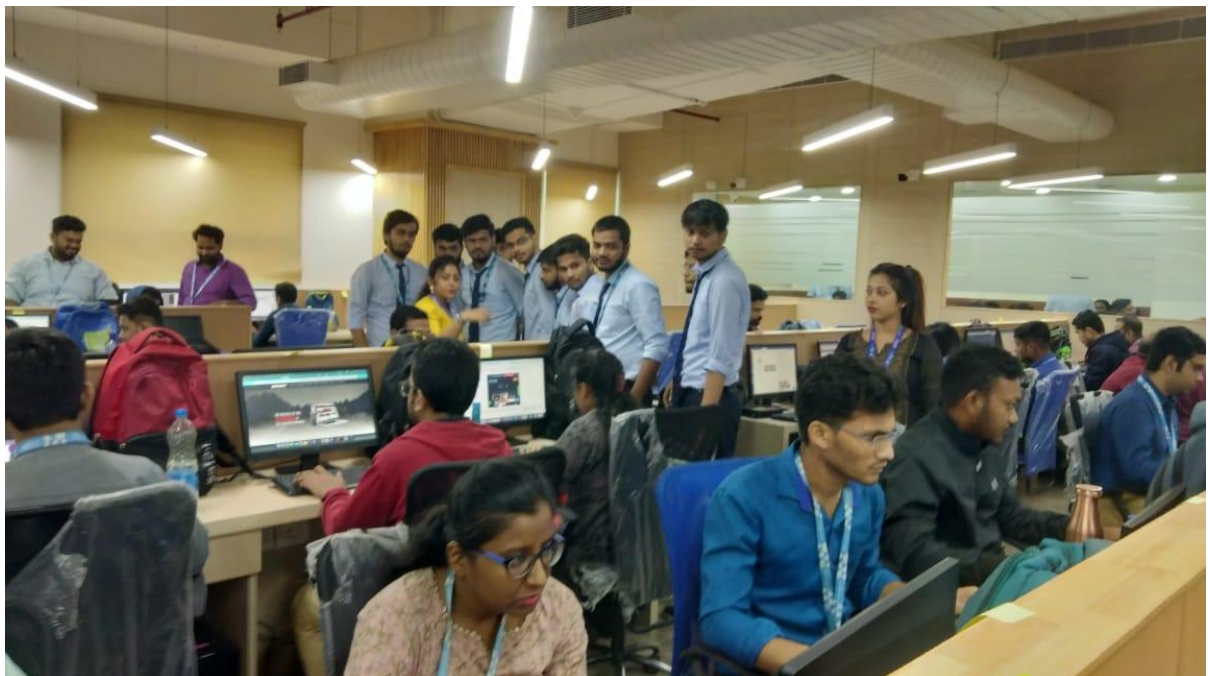
Industrial Visit to Howrah 220kV substation of WBSETCL and State Load Dispatch Centre (SLDC)



Industrial Visit to Coca-Cola (Diamond Beverages Pvt. Ltd.)



Industrial Visit to Kolaghat Thermal Power Station (KTPS)



Industrial Visit to Webskitters Technology Solutions Pvt. Ltd.



Industrial Visit to Euphoria GenX, Salt Lake City, Kolkata (CA)



Industrial Visit to Ardent Computech Pvt Ltd



Industrial Visit to Oil and Natural Gas Corporation Limited (ONGC), Drilling Site at Ranaghat, Kolkata



Industrial Visit to Kolaghat Thermal Power Station (KTPS)