



# Narula Institute of Technology

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## NIT INSIGHTS The Institute Mirror Month – FEBRUARY | Year - 2024

### Sollemnitas @ NIT

#### "Data Science and Machine Learning for Smart Cities and Smart Healthcare."

On 13th February, 2024, Narula Institute of Technology hosted a technical seminar titled "Data Science and Machine Learning for Smart Cities and Smart Healthcare." The seminar aimed to explore the advancements, opportunities, and challenges in utilizing data science and machine learning techniques within the context of smart cities and smart healthcare.

**Dr. Nitin Kumar Tripathi, Chairman-Academic Senate and Director-Special Degree Programs at the School of Engineering and Technology, Asian Institute of Technology, Bangkok** led the seminar. Dr. Tripathi delved into the specific applications and implications of these technologies in the development of smart cities and the enhancement of healthcare services. The seminar provided valuable insights into the transformative potential of data-driven technologies in shaping the future of urban living and healthcare delivery. The event facilitated knowledge sharing, networking, and collaboration among participants, contributing to the advancement of research and innovation in the field.



## Saraswati Puja

Resonating with the melodious strains of the Veena, Narula Institute of Technology unfolded the vibrant tradition of Saraswati Puja. The esteemed dignitaries Sardar Simarpreet Singh, Director, JIS Group and Dr. Nitin Kumar Tripathi, Academic Senate and Director, Special Degree Programmes at the School of Engineering and Technology, Asian Institute of Technology, Bangkok inaugurated the celebrations with a ribbon-cutting ceremony, symbolic of knowledge's unlocking. The veil concealing the holy idol of Goddess Saraswati was unveiled by Sardar Simarpreet Singh, Director, JIS Group and the melodious rendition of Saraswati Vandana filled the air with devotion. This poignant moment was further amplified by a captivating dance performance by our student, weaving a graceful narrative through their movements. The faculty and staff members joined the artistic tapestry, sharing their talents through diverse performances.



## International Mother Language Day/Bhasha Divas

On the occasion of International Mother Language Day/Bhasha Divas, the students of Narula Institute of Technology (NiT) echoed the campus with the songs, recitation and dances in their respective mother tongues. The youngsters of our college set the stage ablaze with their electrifying dance performances. Their repertoire spanned the spectrum from the vibrant hues of Bengali folk to the contemporary beats of today. Meanwhile, the "Music Team" serenaded the audience with their melodious renditions, paying homage to the language martyrs through their soulful music. The audience was captivated by the Rabindra Sangeet and other Bengali and Hindi songs. Beyond the cultural extravaganza, candles were lit in memory of the martyrs, and a pledge was taken to uphold the dignity of the mother tongues.

All in all, the 21st of February etched a significant chapter in the history of the Institute . It was a day that resonated with the spirit of Bhasha Divas, reminding everyone of the importance of cherishing and preserving our mother tongue.



### Visit to Behala Flying Club

On 16th February, 2024, the NCC Cadets of Narula Institute of Technology had an incredible opportunity to visit Behala Flying Club and explore the world of Microlight Aircraft.

The visit provided a remarkable hands-on learning experience, offering our cadets profound insights into aviation. We extend our sincere gratitude to Behala Flying Club for this invaluable opportunity that enriched our cadets' understanding and appreciation of aviation.



## National Science Day

On February 28th, 2024, Narula Institute of Technology commemorated National Science Day with great fervor. The event, organized by the Institution's Innovation Council (IIC), featured engaging poster presentations on the "Importance of Science and its applications."

Additionally, the Department of Electronics and Computer Science proudly presented a Wall Magazine titled "TECHNIVERSE," showcasing the latest advancements and innovations in the field. Their innovative ideas showcased the brilliance of our students and underscored the significance of scientific exploration.

The BS&HU department also encouraged students to perform small magic tricks using principles from physics and chemistry. This initiative not only added an element of fun to the event but also demonstrated the practical applications of scientific concepts in an engaging manner. It showcased how science can be both educational and entertaining, further fostering curiosity and interest among the participants.



Vibes of excitement filled the air at the Red FM Carrom Fest and Talent Hunt Competition hosted at Narula Institute of Technology!



### Atelier de la NIT

The Department of Electrical Engineering of Narula Institute of Technology organized an “One-Week Faculty Development Programme on Contemporary Research Areas in Electrical and Electronics Engineering” from 19th February to 23rd February 2024. Total 47 participants with a wide gamut of academic background and research interest from various reputed institutes of the country participated in the FDP.

Dr. Amitava Chatterjee, Professor of Electrical Engineering of Jadavpur University, an internationally renowned academician, inaugurated the FDP and also gave the keynote speech on the role of computer vision in human-robot collaboration. Dr. Prabir Kumar Mukhopadhyay, ex-Chairman, DVC, discussed the potential of agricultural waste to produce thermal power in co-firing principle. Mr. Ayan Dey, Director of Aeonix Research and Innovations LLP, talked about the inspiring journey of his start-up company that provide R&D support and solutions to various government as well as private sector organizations. Prof. (Dr.) Konika Das (Bhattacharya), Professor and former head of Electrical Engineering Department, IEST Shibpur, talked about technological aspects for overcoming barriers of energy access in rural India..Dr. Arijit Baral, Associate Professor of Electrical Engineering of IIT (ISM) Dhanbad, highlighted the technical challenges of monitoring degradation in the oil and paper insulations of a power transformer.

The participants benefited from the enlightening and motivating lecture and hands-on sessions of the FDP, as reflected in their feedback and spontaneous interactions.



### One Day Technical Seminar on “Background Beauty of Digital Design”

The Department of Electronics and Communication Engineering, Narula Institute of Technology has conducted a One Day Technical Seminar on “Background Beauty of Digital Design” on 8th January 2024, by Dr. Anup Dandapat, Associate Professor, ECE department NIT Meghalaya.

Session covered huge impact on interactions and the prerequisites of the subjects such as Statistics & Mathematics, Transformation Metrics, Basic Electrical, Digital Electronics and so on.

The overwhelming students interacted with their learning of the subject. Around 50 participants attended the seminar. The session was very informative for the new aged students as well as faculties and staff members.



### Webinar on

### “Skills and competencies required for industry readiness”

The Business Administration Department of Narula Institute of Technology in association with Calcutta Management Association (CMA) organised a webinar on “Skills and competencies required for industry readiness” in an online platform on 30th January, 2024.

The objective of the webinar was to highlight the importance of practical forms of training, such as internships and on-the-job learning opportunities, so that students can upgrade themselves with the latest technology and new set of skills required for industry in the competitive arena.

The first speaker, Shri Prodip Mukherjee, Former M.D. WEBEL and Advisor MAKAUT stated that industry wants students to adopt different types of skills like analytical, problem-solving, communication, business development skills and advised them to acquire a combination of skills and competencies to build a successful career

The second speaker Dr. Arijit Banerjee popularly known as ‘The Toilet Man of Bengal’ mentioned his transformational journey from corporate to entrepreneurial world. He said that he learnt more things from entrepreneurial culture since 2009-10 which helped him to create a nationwide 7000 bio-toilet under Swatch Bharat Mission.

### **Student Chapter Inaugural Ceremony of the Computer Society of India (CSI)**

The Computer Science & Engineering Department of Narula Institute of Technology has organized the Student Chapter Inaugural Ceremony of the Computer Society of India (CSI) student chapter on 5th February 2024 at Sir J C Bose auditorium of the Institute. Esteemed guests of the program are Dr. Debashis De- Chairman CSI Kolkata Chapter; Mr. Snehasis Banerjee, Lead Scientist- TCS Research and Dr. Jyoti Sekhar Banerjee-Secretary CSI Kolkata Chapter.

The event started with the lighting of the lamp. This was followed by the speech given respectively by Dr. Debashis De, Dr. Jyoti Sekhar Banerjee and Mr. Snehasis Banerjee. They also cleared doubts raised by students and faculty members. The talks and subsequent discussions were highly appreciated by our students. This marks the beginning of a new phase in creativity and teamwork.



### **"Process of Innovation Development, Technology Readiness Level (TRL) Commercialization of Lab Technologies & Tech-Transfer"**

The Innovation and Entrepreneurship Development Cell (IIC) and Entrepreneurship Development Cell (EDC) of Narula Institute of Technology held a session titled "Process of Innovation Development, Technology Readiness Level (TRL) Commercialization of Lab Technologies & Tech-Transfer" on 12th February, 2024 in association with Idea-o-meter.

Ms. Nilanjana Mukherjee, a Director of Universal Group and a distinguished alumna of our institute, was the guest speaker for the session. Ms. Mukherjee gave a perceptive talk about the stages involved in developing an innovation and different factors of technological readiness. Making use of her personal entrepreneurial experience, she offered insightful advice on getting a product from the lab to the market.





**Grand opening of the Blue Star "Centre of Excellence"-**

The grand opening of the Blue Star "Centre of Excellence"- Industry Sponsored Lab was inaugurated at Narula Institute of Technology on 9th February, 2024. This event highlighted a joint effort between academia and industry to enhance practical learning experiences in HVAC systems.

Distinguished guests from Blue Star Mr. Michael Angre – V.P. Central Plant Service Dept, Mr. Sanjeev Rastogi – G.M. & Sr. Lead Specialist All India Head of Service Specialist Group, Mr. Palani E – DGM & Lead Specialist of VRF Product & Mr. Srinivasa Rao M – DGM & Regional Head Eastern Region Central Plant Service Dept. graced the ceremony, emphasizing the initiative's importance. The inauguration ceremony commenced with a Keynote address by Mr T.K. Saha, Director Industry and Alliance, JIS Group where he briefed about the scope of this initiative followed by welcome address by the Principal, (Prof.) Dr. Soumen Banerjee.



## The Innovation Challenge

The Innovation Challenge, jointly organized by the Innovation and Incubation Center (IIC) and the Entrepreneurship Development Cell (EDC), powered by Idea-o-meter, took place on the 19th and 20th of February 2024. The event aimed to provide a platform for students to showcase their innovative ideas and critical thinking skills in addressing global societal issues.

Esteemed industry experts, Mr. Keshab Lal Kar from Neo Equipments and Mr. Sovan Banerjee from Websoft Solutions, generously contributed their time and expertise. They provided valuable mentoring to the participants, offering insights and guidance on refining their concepts and prototypes.

The Innovation Challenge showcased the creative prowess of the participants, with many projects offering innovative solutions to complex societal problems.



## "Importance of Design, Critical Thinking, and Innovation"

Narula Institute of Technology, under the guidance of the Ministry of Education, Government of India, in collaboration with AICTE, organized a seminar on February 20, 2024, titled "Importance of Design, Critical Thinking, and Innovation" as part of the Development Dialogue series, aimed at discussing the foundational changes leading to the development of Viksit Bharat by 2047.

Renowned speaker Shri Kanu Gopal Pilsima, Associate Vice President of Design & Engineering at Electro Steel Casting Limited, served as the chief guest, addressing approximately 350 participants, including students and faculty members.

Shri Pilsima emphasized the concept of Viksit Bharat and its relevance to technical and academic institutions, highlighting the pivotal role of future technocrats and social engineers in leading the nation with their innovative and responsible thinking. He underscored the importance of innovation in design thinking, noting its ability to generate practical and effective solutions through various approaches, such as utilizing new materials or technologies and rethinking traditional design practices. Moreover, he outlined the iterative process of innovation, which involves critical thinking and commercialization to address evolving challenges and replace outdated methods with disruptive alternatives.



## **One-day seminar titled "Innovative Techniques for Performance Enhancement in Civil Engineering Domain"**

The Civil Engineering Department of Narula Institute of Technology organized a one-day seminar titled "Innovative Techniques for Performance Enhancement in Civil Engineering Domain" on February 9, 2024. The seminar explored the evolving landscape of civil engineering, focusing on areas such as Structural Engineering, Geotechnical Engineering, Water Resources Engineering, and Transportation Engineering. Topics addressed included the effectiveness of Jute Geotextiles in Civil Engineering Works and critical geotechnical issues, including distress identification and mitigation processes. Renowned speakers such as Sri Pradip Kr. Choudhury, FIE, and Sri Sudip Nath shared their expertise on these subjects.



## **Developing Analytical Approach for Assessment of Gender Budgeting in India by FICCI**

Women Cell members of Narula Institute of Technology attended a one-day regional workshop titled Developing Analytical Approach for Assessment of Gender Budgeting in India on 9.02.2024 at HHI, Kolkata, organized by FICCI. Gender responsive budgeting helps to track the way that budgets respond to women's priorities and the way that governments use funds to reduce poverty, promote gender equality, reverse the spread of HIV, reduce menstrual restrictions and lower the rates of maternal and child mortality.



## “How to Publish a Copyright”

The Computer Science and Engineering Dept. of Narula Institute of Technology organized a one-day seminar on “How to Publish a Copyright” by Dr. Chandrima Chakrabarti, HOD, Dept of Data Science and Mr. Shubhendu Banerjee, Asst. Professor, Dept. of CSE of Narula Institute of Technology.

The objectives of the workshop were to generate awareness among the faculty members about the various aspects of IPR and sensitize the participants about the role of IPR in innovation and invention.



## International Conference TCSCON 2024 hosted by Department of Basic Science and Humanities

TCSCON 2024, hosted by Narula Institute of Technology, focused on Environmental Sustainability and Green Technology. With 123 papers submitted, 65 were selected for presentation and potential publication in renowned journals. Distinguished speakers like Dr. Mahua Hom Chowdhury and Prof. Biswajit Sarkar discussed AI in various fields. Plenary talks by Prof. Samarjit Kar and Prof. Aradhna Malik set the tone for engaging discussions on topics including AI, sustainability, and cybersecurity. The event provided a platform for academia and industry to exchange insights and foster collaboration. The Valedictory Ceremony concluded with acknowledgments and discussions on post-conference publications, marking the conference as a resounding success.





## Eureka de la NIT.

Narulites shine once again at JIS Samman 2024.

Thanks to the JIS Family for your support which fosters us to excel in all the spheres.



<p>THANK YOU JIS GROUP</p> <p><b>JIS SAMMAN 2024</b></p>  <p>CATEGORY BADMINTON TOURNAMENTS: GIRLS' SINGLES</p> <p>NARULA INSTITUTE OF TECHNOLOGY NAAC 'A' Accredited   NIRF Innovation Ranked www.nit.ac.in</p>	<p>THANK YOU JIS GROUP</p> <p><b>JIS SAMMAN 2024</b></p>  <p>CATEGORY BADMINTON TOURNAMENTS: GIRLS' DOUBLES</p> <p>NARULA INSTITUTE OF TECHNOLOGY NAAC 'A' Accredited   NIRF Innovation Ranked www.nit.ac.in</p>	<p>THANK YOU JIS GROUP</p> <p><b>JIS SAMMAN 2024</b></p>  <p>CATEGORY CARROM TOURNAMENTS: GIRLS' DOUBLES</p> <p>NARULA INSTITUTE OF TECHNOLOGY NAAC 'A' Accredited   NIRF Innovation Ranked www.nit.ac.in</p>
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<p>THANK YOU JIS GROUP</p> <p><b>JIS SAMMAN 2024</b></p>  <p>CATEGORY BEST STUDENTS PROJECT</p> <p>NARULA INSTITUTE OF TECHNOLOGY NAAC 'A' Accredited   NIRF Innovation Ranked www.nit.ac.in</p>	<p>THANK YOU JIS GROUP</p> <p><b>JIS SAMMAN 2024</b></p>  <p>CATEGORY ANCHORING</p> <p>NARULA INSTITUTE OF TECHNOLOGY NAAC 'A' Accredited   NIRF Innovation Ranked www.nit.ac.in</p>	<p>THANK YOU JIS GROUP</p> <p><b>JIS SAMMAN 2024</b></p>  <p>CATEGORY FACULTY WITH HIGHEST NO. OF STUDENTS PUBLICATION</p> <p>NARULA INSTITUTE OF TECHNOLOGY NAAC 'A' Accredited   NIRF Innovation Ranked www.nit.ac.in</p>
<p>THANK YOU JIS GROUP</p> <p><b>JIS SAMMAN 2024</b></p>  <p>CATEGORY IDEA-O-METER</p> <p>NARULA INSTITUTE OF TECHNOLOGY NAAC 'A' Accredited   NIRF Innovation Ranked www.nit.ac.in</p>	<p>THANK YOU JIS GROUP</p> <p><b>JIS SAMMAN 2024</b></p>  <p>CATEGORY FASHION SHOW</p> <p>NARULA INSTITUTE OF TECHNOLOGY NAAC 'A' Accredited   NIRF Innovation Ranked www.nit.ac.in</p>	<p>THANK YOU JIS GROUP</p> <p><b>JIS SAMMAN 2024</b></p>  <p>CATEGORY FACULTY WITH BEST RESEARCH CREDENTIALS</p> <p>NARULA INSTITUTE OF TECHNOLOGY NAAC 'A' Accredited   NIRF Innovation Ranked www.nit.ac.in</p>



### Narulites bagged 2nd prize at the Adinova Fest

We are pleased to inform all that the students of Narula Institute of Technology showcased their talent leaving a lasting impression and bagged 2nd prize at the Adinova Fest organised by Musicorum Club, Adamas University on 12th February, 2024.

The band "Guzarish" stole the spotlight with their electrifying performance, featuring Srijita Ghosh and Protik Kha from CSE, Tamal Bose from EE, and Swapnaneel Das, Ronit Guhathakurta, and Soumyadeep Dey from ECE. Their synergy and musical prowess captivated the audience, making them the highlight of the event.





The Dance Group from NARULA Institute of Technology showcased exceptional talent at the recent JIMSH Medical College Fest. Competing against several other institutions, they secured the 2nd position (1st runner up), solidifying their reputation as one of the region's premier dance groups. Souvik Majumdar, Ankita Show, Reema Das, Apurba Basumallick, Jatan Kumar, Parna Mandal, and Manjari Ghosh contributed their individual talents, forming a cohesive and captivating ensemble.

Ventures de Maestro

**NIT FACULTY AUTHORS A BOOK ON ARTIFICIAL INTELLIGENCE**

Mr. Shubhendu Banerjee and Dr. Md. Ashifuddin Mondal, Assistant Professors, Department of Computer Science Engineering, Narula Institute of Technology authored a book "AI in Education - A Roadmap for Tomorrow's Learners". This book not only showcases their expertise in the subject but also underscores their commitment to shaping the future of education.

*Congratulations*

**Mr. Shubhendu Banerjee**  
**Dr. Md. Ashifuddin Mondal**

Assistant Professors,  
Department of Computer Science Engineering,  
Narula Institute of Technology

For co-authoring a Book  
**"AI in Education  
A Roadmap for Tomorrow's Learners"**

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## Campus to Company

### Exposure Visit to Central Tool Room MSME

On February 6th, 2024, an exposure visit was organized by the IIC, EDC section of NiT, powered by Idea-o-meter, to the Central Tool Room MSME. The visit aimed to provide students and faculty members of Narula Institute of Technology with first-hand experience and insights into the operations of the Central Tool Room MSME.

The exposure visits to Central Tool Room MSME proved to be a rewarding experience for all participants.



## Student achievement

NiT Congratulates Tijesha Roy 3rd year CST student for an internship with MICROSOFT world's top most IT company with a monthly stipend of Rs. 1.25 lacs



Narula Institute of Technology congratulates Shova Seth, Dept. of Computer Science & Engineering, class of 2024 for being placed at Zscaler with a package of Rs. 26.5 LPA (Internship + FTE).



Arittya Dutta, from BCA department representing Narula Institute of Technology, participated in the NIKKANA [SOLO] (INTEGRATION) dance competition held at the Indian Statistical Institute, Kolkata. Demonstrating skill, creativity, and passion, Arittya competed against other talented dancers and secured the second place.



### Spotlight @ NIT

The Narula Institute of Technology Campus witnessed a star-studded afternoon with the appearance of Bollywood Actor **Vidyut Jammwal** on 26th February who made his illustrious presence for the promotion of his movie **Crakk**. The crowd cheered and shouted "Jeetega. toh jeeyega", when the celebrity actor entered the campus with a blast. It was an electrifying ambience which led to a memorable experience for the JIS-ians.



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