NARULA INSTITUTE OF TECHNOLOGY

2025-2026

Annual Report



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Annual Institutional Report & Academic Overview

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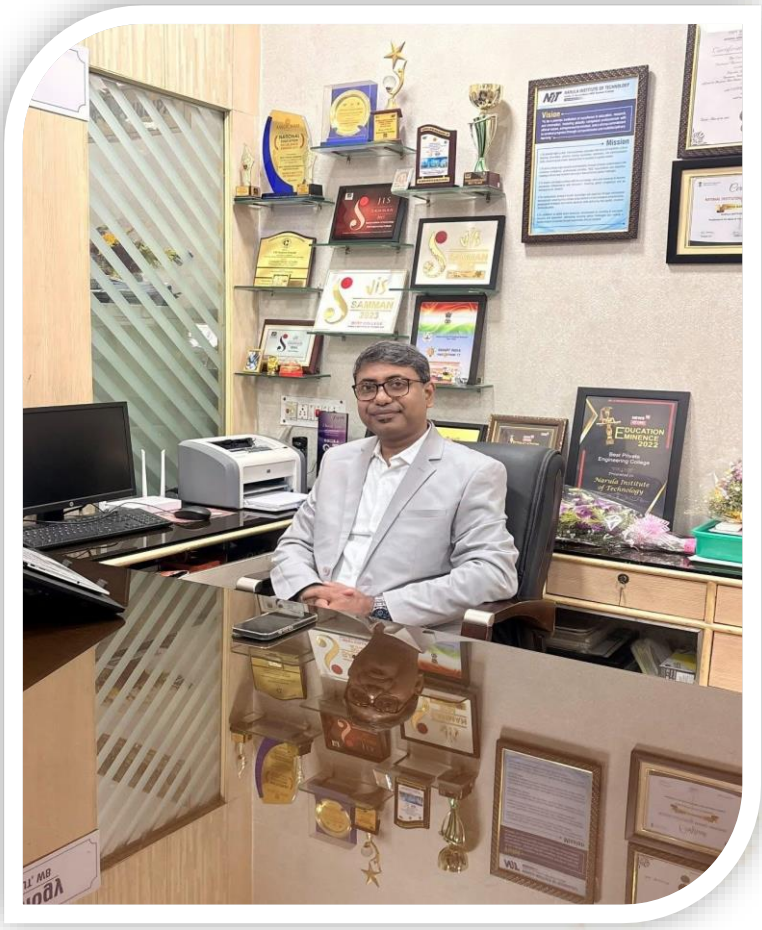
Message from Principal

☐ *Marching Ahead… Towards Excellence and Innovation*

"Great achievements are never the result of a single effort; they emerge from determination, dedication, teamwork and a commitment to continuous improvement."

It gives me immense pleasure to present the Annual Report of Narula Institute of Technology (NiT) for the academic year 2025–26. As we continue our journey towards academic excellence, our endeavour remains to nurture competent professionals, responsible citizens and future leaders who can contribute meaningfully to society.



Established in 2001 under the aegis of JIS Group Educational Initiatives, Narula Institute of Technology has steadily emerged as a reputed centre of technical education, research and innovation. Guided by our motto, "Taking You to Tomorrow's Technology," we remain committed to delivering quality education through modern infrastructure, dedicated faculty members and a dynamic learning environment.

During 2025–26, the Institute continued to strengthen its emphasis on Outcome-Based Education (OBE), experiential learning, interdisciplinary research and industry-oriented teaching practices. We encourage our faculty members and students to pursue research, publish in reputed journals, participate in academic conferences and explore emerging technologies. Innovation, entrepreneurship and skill development remain integral to our academic vision.

Industry-academia collaboration continues to be a key priority. Through internships, industrial visits, expert lectures, workshops and professional training programmes, we strive to bridge the gap between academic knowledge and industry expectations. Our Training and Placement Centre plays an important role in enhancing students' technical competencies, communication skills and employability, enabling them to pursue promising career opportunities.

Beyond academics, we encourage students to participate in technical festivals, hackathons, cultural programmes, sports and professional student chapters. These activities foster leadership, teamwork, creativity, confidence and social responsibility, ensuring their holistic development.

Our commitment to quality education is reflected in the Institute's NAAC accreditation with an 'A' Grade and NBA accreditation. These achievements represent the collective dedication of our management, faculty, staff and students and motivate us to pursue higher standards of institutional excellence.

The academic year 2025–26 is particularly memorable as we celebrate the Silver Jubilee of Narula Institute of Technology, marking 25 years of excellence since its establishment in 2001. This milestone provides an opportunity to celebrate our achievements, acknowledge our contributions and renew our commitment to the future.

I sincerely believe that the true strength of an educational institution lies in the quality of individuals it nurtures and the positive impact it creates on society. I extend my heartfelt gratitude to the management of JIS Group Educational Initiatives for its visionary leadership and continuous support. I also appreciate the invaluable contributions of our faculty members, staff, students, parents, alumni and industry partners.

Together, let us continue marching ahead with determination, innovation and excellence, shaping a brighter future for generations to come.

With best wishes,

Dr. Subhram Das
Principal-in-Charge
Narula Institute of Technology, Kolkata

Chapter 1

INSTITUTE PROFILE

✦ *INTRODUCTION*

"Excellence in Education, Innovation in Action, Leadership for Tomorrow."

Established in 2001 under the aegis of JIS Group Educational Initiatives, Narula Institute of Technology (NiT) is a premier autonomous institution imparting quality education in Engineering, Technology and Management. Located at Agarpara, near Kolkata, West Bengal, the Institute has consistently endeavored to create a dynamic academic environment that fosters innovation, research, professional excellence and holistic development. Recognised as one of the leading private engineering colleges in Kolkata and West Bengal, NiT has earned considerable recognition for its commitment to academic quality, industry-oriented education and institutional development.

The Institute has received several prestigious accreditations, recognitions and rankings from national regulatory bodies and reputed educational assessment agencies. It is approved by the All India Council for Technical Education (AICTE), accredited by the National Assessment and Accreditation Council (NAAC) with an 'A' Grade, and affiliated to Maulana Abul Kalam Azad University of Technology (MAKAUT), West Bengal. Most of its eligible academic programmes are accredited by the National Board of Accreditation (NBA). The Institute is also recognised under Sections 2(f) and 12(B) of the UGC Act and is approved by the West Bengal State Council of Technical and Vocational Education and Skill Development (Technical Education Division). Its institutional achievements and academic standing are reflected in recognitions and rankings by the National Institutional Ranking Framework (NIRF), NIRF Innovation, Atal Ranking of Institutions on Innovation Achievements (ARIIA), Careers360, India Today, The Week and The Times of India, among others.

A significant milestone in the Institute's journey was its selection under the prestigious World Bank-assisted and MHRD-approved Technical Education Quality Improvement Programme (TEQIP), Phase II, aimed at strengthening technical education and enhancing institutional quality. Further reinforcing its commitment to innovation and entrepreneurship, NiT has been selected as a Mentor Institute under the Mentor-Mentee Programme of the Ministry of Education's Innovation Cell (MIC), AICTE.

The Institute offers a comprehensive range of undergraduate, postgraduate and diploma programmes across diverse disciplines. Its B. Tech programmes encompass Computer Science and Engineering, Information Technology, Electronics and Communication Engineering, Electrical Engineering, Civil Engineering, Mechanical Engineering and Electronics and Instrumentation Engineering. At the postgraduate level, the Institute offers M. Tech programmes in Computer Science and Engineering, Electronics and Communication Engineering, Electrical Engineering (Power Systems) and Civil Engineering (Structural Engineering), along with the Master of Computer Applications (MCA) programme. It also offers diploma programmes in Electrical Engineering, Civil Engineering and Electronics and Telecommunication Engineering, under the affiliation of the West Bengal State Council of Technical and Vocational Education and Skill Development.

Research, innovation and academic advancement form integral components of the Institute's educational philosophy. Supported by a dedicated Research and Development Cell and an accomplished faculty fraternity, NiT actively promotes interdisciplinary research, scholarly publications, consultancy and funded projects. Several research initiatives supported by reputed funding organisations, including the University Grants Commission (UGC), Department of Atomic Energy – Board of Research in Nuclear Sciences (DAE-BRNS), Indian Space Research Organisation (ISRO) and AICTE, are currently being undertaken under the guidance of faculty experts. These initiatives reflect the Institute's sustained efforts to contribute to emerging areas of science, engineering and technology while encouraging a vibrant research culture among faculty members and students.

To strengthen experiential learning and provide students with exposure to contemporary industrial practices, the Institute houses several state-of-the-art Centres of Excellence. These include the JIS Bosch Rexroth Centre of Excellence for Fluid Power Control Systems, the Blue Star Centre of Excellence and a modern Apple Lab equipped with advanced technologies and industry-relevant tools. The campus is further enriched by advanced Language Laboratories developed with support from ORELL and ISILS, IIT Kharagpur, facilitating the development of communication, language proficiency and professional competencies.

Narula Institute of Technology has established strong and enduring associations with leading corporate organisations and industry bodies, including Tech Mahindra, Reliance Jio, the Confederation of Indian Industry (CII), ASSOCHAM, NASSCOM, Oracle Corporation, Infosys and Tata Consultancy Services (TCS), among others. These partnerships facilitate industry-academia interaction, professional training, skill development, internships, placements and exposure to emerging technological advancements. The institute boasts of a powerful R & D cell with immense contribution from the scholarly faculty members. There is an enormous repository of International and National Journal publications, E- books, Online Lectures which have drawn nationwide attention. With the encouragement and support from the college, around ten projects funded by organizations like UGC, DST, BRNS and AICTE are running successfully by the faculty members till date. Very recently the ECE Department has secured the MODROBS grant for upgrading their Embedded System and Electronic Design Automation Lab.

The Institute has also cultivated significant academic, research and institutional collaborations with reputed national and international organisations, including the Indian Institute of Technology Kharagpur, National Institute of Technology Sikkim, Asian Institute of Technology, National Research University "Moscow Power Engineering Institute", Russia, Grid India – Eastern Regional Load Dispatch Centre, and National Yang Ming Chiao Tung University, Taiwan, Hanoi University, Vietnam, AIT Bangkok. Such collaborations provide valuable opportunities for academic exchange, joint research initiatives, seminars, conferences, expert lectures and international knowledge-sharing platforms.

Student development at NiT extends well beyond the classroom through active participation in professional societies, student chapters, technical forums and co-curricular initiatives. The Institute encourages students to engage with professional bodies and disciplinary associations that promote technical knowledge, leadership, teamwork and professional networking. Its student chapters and forums organise technical events, workshops, competitions, awareness programmes and knowledge-sharing sessions, thereby nurturing innovation and a spirit of collaboration.

Recognising the importance of holistic education, the Institute places equal emphasis on cultural, literary, sporting and extracurricular activities. Through its vibrant campus culture, student clubs, literary festivals, technical events, cultural programmes and inter-institutional competitions, NiT provides a platform for students to discover their talents, develop leadership abilities and cultivate essential life skills. These initiatives contribute to building confidence, creativity, communication skills and a strong sense of community.

At the heart of Narula Institute of Technology's continued progress lies its commitment to quality education, a robust teaching-learning ecosystem, a safe and inclusive campus environment, effective mentoring and continuous institutional improvement. By integrating academic rigour with research, innovation, industry engagement and holistic student development, the Institute strives to prepare competent, ethical and socially responsible professionals capable of addressing the challenges of an increasingly dynamic global landscape.

The Institute firmly believes that its success is intrinsically linked to the success of its students, and remains committed to nurturing future-ready professionals, innovators and leaders who contribute meaningfully to society and the world.

VISION

To make the Institute excellent in technological education and research by imparting equitable, inclusive, ethical, flexible and multidisciplinary knowledge to budding technologists to serve the society.

MISSION

- To establish continuously improving academic ambience in the Institute in order to prepare the students with beyond curriculum knowledge, creativity, innovation, problem solving abilities, team work, communication skills etc. for their holistic development.

- To collaborate with Institutes of higher education, Professional Societies, R&D and Industrial organizations for continuous improvement of academic, research environment in the Institute and to build a strong Industry-Institute interface.

- To promote and nurture entrepreneurial and innovative quality of the students providing proper education, training and supportive facilities so that future entrepreneurs emerge with flying colours.

- To strengthen quality and knowledge-base of faculty through faculty development programs for continuous upgradation to remain in tune with dynamically changing technology.

- To become a responsible contributor in the socio-economic development of the society through excellence in education and research.

QUALITY POLICY

- Best standards and practices of good governance, to be put in place to bring in transparency of operations and improve credibility at all levels.

- Industry-ready professionals to be developed through Interactive Teaching-Learning Process, Corporate exposure and project work.

- Higher Studies/research for Faculty & Staff to be encouraged for up gradation of knowledge which would, inter alia, include participation in TEQIPs, Seminar, workshop etc.

- Appropriate Laboratory facilities would be developed in selected areas to provide fillip for R&D.

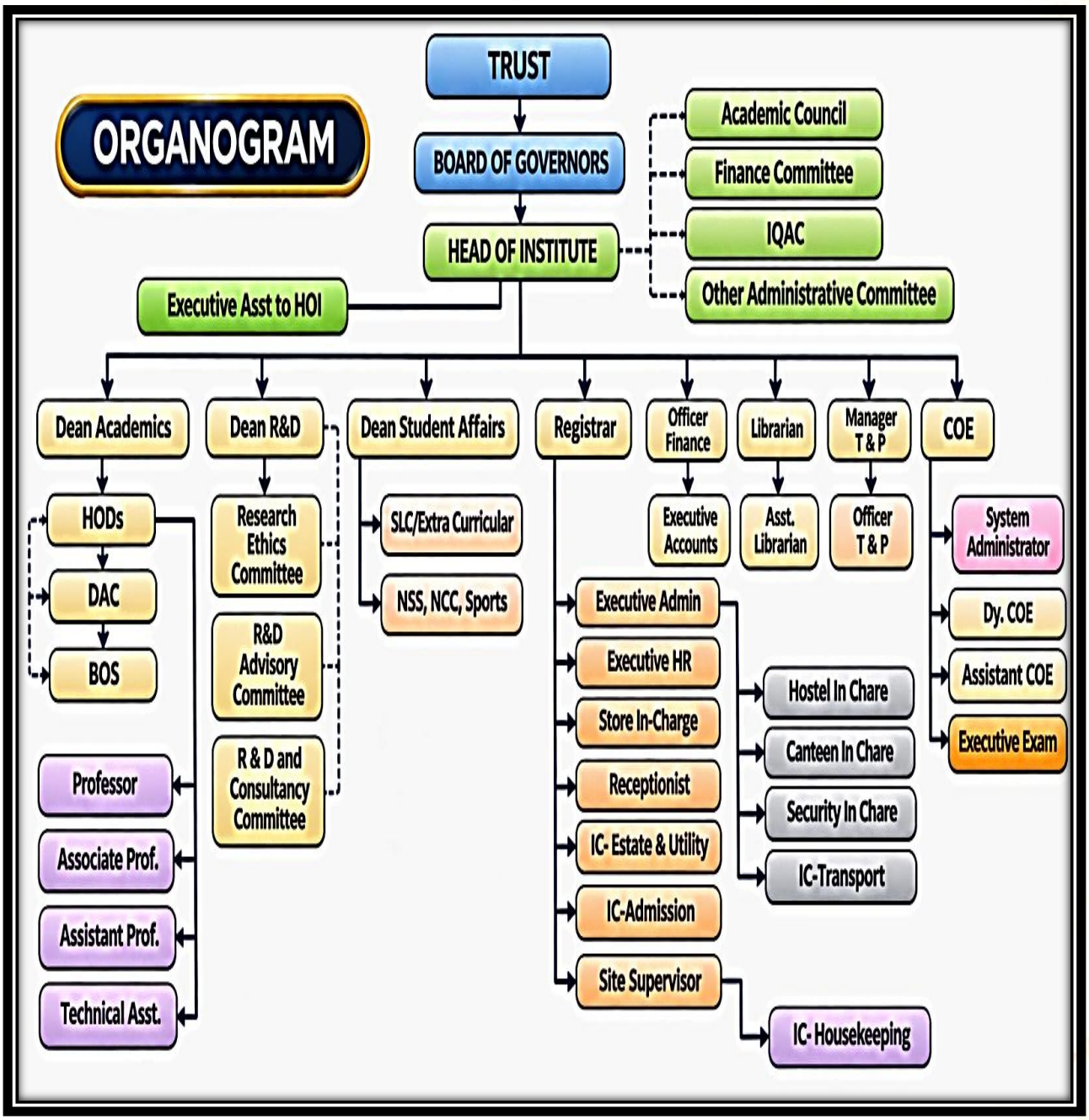
- Industrial consultancy to be carried out in an effective manner through Industry Institute Partnership cell (IIPC) for developing a sense of accomplishment.

- NBA accreditation for all AICTE approved programs to be obtained at the earliest and maintained on a long –term basis.

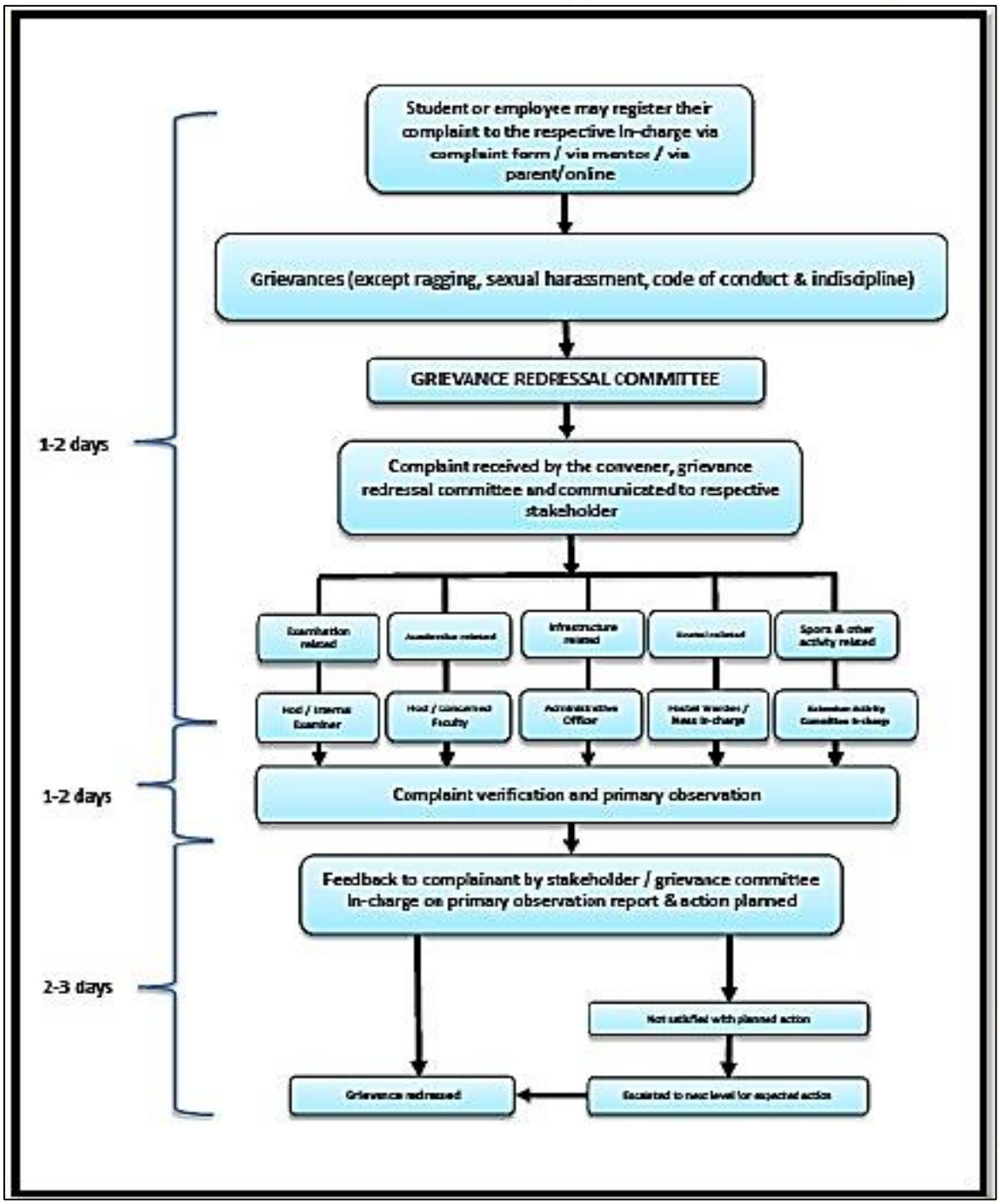
OUTCOME BASED INSTITUTIONAL OBJECTIVE

To create an environment to empower the students with solid foundation in mathematical, scientific, engineering, managerial, entrepreneurial fundamentals and incorporate research based curriculum thorough establishing continuous wide network with the industries in order to initiate long term academic excellence in the institution.

✦ Organizational Structure:



Grievances Redressal System



✦ Admission Data

Narula Institute of Technology offers a number of courses ranging from Computer Science Engineering (B. Tech and M. Tech), and Computer Application (MCA). Diploma in Engineering in branches of Electronics and Communication Engineering (ECE), Electrical Engineering (EE). Mechanical Engineering (ME) and Civil Engineering (CE) is also taught.

Each of the courses offered have a separate Entrance Test according to their respective Government of West Bengal examination boards.

Student admission for B. Tech is through WBJEE. Whereas for M. Tech the intake is through GATE score and PGET examination. Intake for MCA is through JECA. The entrance test for Diploma courses is JEXPO.

Also as per Government norms, 10% seats are reserved for Diploma Engineering students for t admission (Lateral Entry) to B. Tech 2nd year. The admission occurs through JELET.

Course	Stream	Intake
B. Tech	**CSE**	**300**
	ECE	**150**
	IT	**180**
	EE	**60**
	CE	**60**
	ECS	**30**
	ME	**60**
	CST	**60**
	CS (AI&ML)	**240**
	CSBS	**60**
	CSE (DS)	**120**

MCA	**MCA**	**60**
M.Tech	**CE-SE**	**48**
M.Tech	**CSE**	**18**
M.Tech	**EE-PS**	**12**
M.Tech	**CE-GTE**	**18**
M.Tech	**ECE**	**12**
Diploma	**CE**	**30**
Diploma	**EE**	**60**
Diploma	**ETCE**	**30**
Diploma	**ME**	**60**

CHAPTER - 2

INSTITUTIONAL EVENTS

- **AICTE VAANI Sponsored Workshop on Data Science and Machine Learning in Bengali Language at Narula Institute of Technology**

Department of CSE (Data Science) of Narula Institute of Technology successfully organized the prestigious AICTE VAANI sponsored workshop from 30th July to 1st August 2025, held in offline mode at the institute premises. The workshop, titled “Application of Data Science and Machine Learning in Smart Computing”, aimed to promote the use of Indian languages in technical education, with sessions conducted in Bengali.

The inaugural ceremony, held on 30th July 2025, commenced with a warm welcome address by Dr. Shambhu Nath Saha, Dean Student Affairs, and Dr. Chandrima Chakrabarti, HOD, CSE Data Science & Workshop Coordinator. The event was graced by the presence of eminent academicians and industry experts, including the Chief Guest Prof. (Dr.) Siddhartha Bhattacharyya, Senior Researcher at VSB - Technical University of Ostrava, along with Prof. Dr. Ansuman Banerjee, Professor at Indian Statistical Institute, Kolkata, and Mr. Atanu Roy Chowdhury, Founder & Director of Gapcrud Private Limited.









- **NIT Hosts NCC Monthly Training with 250+ Cadets in Attendance**

We proudly hosted the 4 West Bengal (Technical) Air Squadron NCC Monthly Training on 27th July 2025, witnessing an enthusiastic participation of over 250 cadets from various schools and colleges. The day was packed with engaging sessions ranging from Aeromodelling, NCC theory classes, and precision Drill practices to high-energy sports activities, all conducted under the expert guidance of Indian Air Force personnel. The training not only honed cadets' skills but also instilled a deeper sense of discipline and commitment. The program was meticulously supervised by Commanding Officer, Wing Commander Washim Pathan, whose leadership ensured seamless execution and a truly impactful experience for all participants.











➢ **Students Connect Session with Cognizant Organized by Industry Alliance Department**

The Industry Alliance Department organized a Students Connect Session with Cognizant on 16th July 2025. The session was led by Mr. Dipankar Dey, Director, Global Competency Delivery, SCM, who shared valuable insights into the latest trends and innovations in the technology sector.

During the session, Cognizant emphasized the growing importance of digital transformation in today's fast-paced business landscape. The discussion also shed light on various career opportunities in the Supply Chain Management division at Cognizant, providing students with an enhanced understanding of emerging industry prospects.



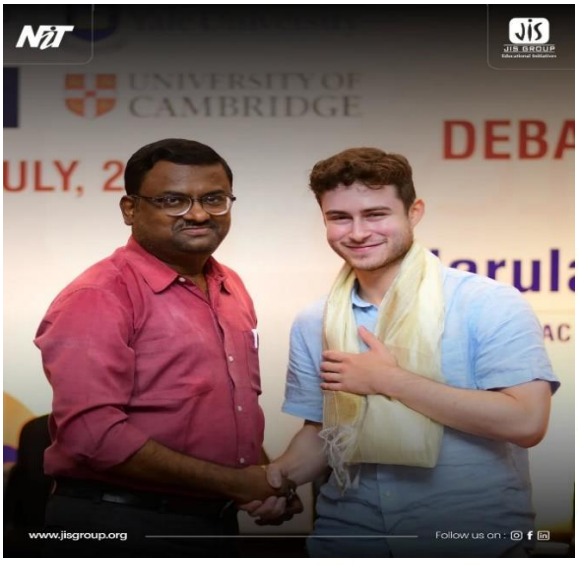


- **Debating Excellence 2025: A Global Exchange of Ideas at Narula Institute of Technology**

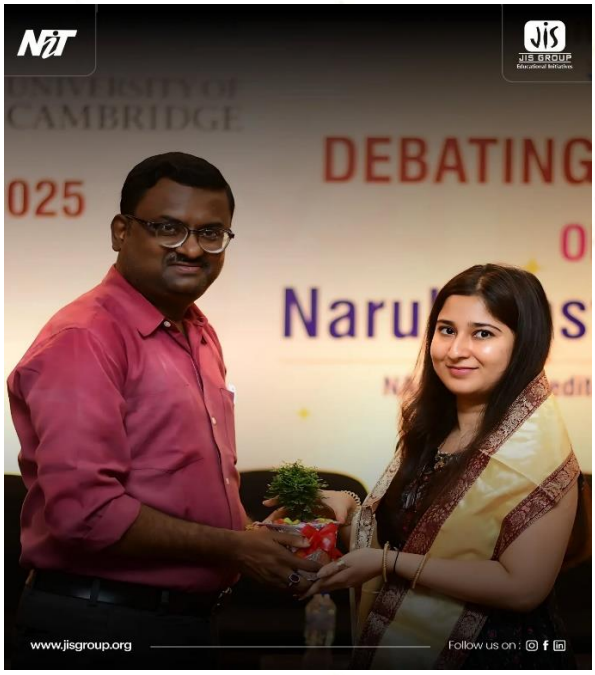
Debating Excellence 2025, organized by the Calcutta Debating Circle in association with JIS Group, was held on 8th July 2025. With the compelling motion, *"Parents should not be trusted with their children's future,"* the event showcased powerful arguments from world-renowned debaters representing the University of Cambridge, Harvard University, University of Oxford, Yale University, King's College London, and École de Guerre, Paris.

Adding depth to the discussions, eminent personalities such as Dr. Kunal Sarkar, a distinguished cardiac surgeon and public intellectual, and Mr. Pradeep Gooptu, a veteran journalist and debate mentor, shared their thought-provoking reflections.









❖ **Celebrating the Bond of Protection and Purity**

On the auspicious occasion of Raksha Bandhan, members of the *Brahma Kumaris* tied Rakhi to the *Narula Family*. The ceremony symbolized an eternal bond of love, respect, and blessings, embodying the true spirit of the festival — a collective promise of protection, harmony, and togetherness.





❖ 79th Independence Day Celebration at Narula Institute of Technology

We proudly celebrated the 79th Independence Day with immense enthusiasm and patriotic fervor. The national flag was hoisted by Mr. Simarpreet Singh, Director of JIS Group, marking the beginning of the occasion. The celebration continued with a vibrant cultural program that beautifully reflected the spirit of unity, freedom, and diversity. The entire day was filled with pride, joy, and togetherness, honoring the essence of India's independence. With vibrant performances and heartfelt moments, the evening was a tribute to the cadets' legacy, leadership, and loyalty.









❖ 25th Foundation Day Celebration at Narula Institute of Technology

We celebrated its 25th Foundation Day, commemorating 24 years of academic excellence and embarking on a promising 25th year. The occasion was marked with pride and enthusiasm, featuring a Flag Hoisting ceremony, vibrant Cultural Programs, and an exciting Football Match that enriched the festive spirit.







❖ AICTE VAANI-Sponsored Workshop at Narula Institute of Technology

The Department of CSE (Data Science), organized an AICTE VAANI-sponsored workshop on *"Application of Data Science and Machine Learning in Smart Computing"* from 30th July to 1st August 2025 in offline mode and in Bengali.
On 31st July 2025, eminent speakers—Prof. (Dr.) Debashis De (MAKAUT), Prof. (Dr.) Sipra Das Bit (IIEST Shibpur), and Dr. Arundhati Misra (Former Group Director, SAC-ISRO)—delivered insightful sessions on Edge Computing, Industrial IoT, and Remote Sensing with AI.





❖ Quiz Competition Organized by CST Department

The Computer Science and Technology (CST) Department organized a one-day quiz competition on 21st August 2025 at the J.C. Bose Auditorium for 2nd-year students. The event was coordinated by Dr. Koushik Karmakar, Head of the CST Department. Students participated with great enthusiasm, showcasing their knowledge and competitive spirit.





❖ FDP on IoT

The Department of Computer Applications, organized a One Week FDP on “Internet of Things: Architecture and Technology Foundation” from August 18–22, 2025.

Sessions were conducted by eminent experts, including Prof. (Dr.) Debashis De (MAKAUT, W.B.), Dr. Sunirmal Khatua (University of Calcutta), Prof. (Dr.) Jyotsna Kumar Mandal (University of Kalyani), Mr. Atanu Roy Chowdhury (Capsule Labs), and Prof. (Dr.) Koushik Roy (WBSU, Barasat). The programme focused on IoT architecture and technologies with applications in healthcare, industry, and sustainable living, fostering insightful discussions among faculty, researchers, and professionals.







❖ Viswakarma Puja 2025 at Narula Institute of Technology

We joyfully celebrated Viswakarma Puja 2025 on 17th September with devotion and enthusiasm. The day began with the traditional rituals dedicated to Lord Viswakarma, the divine architect and engineer, seeking blessings for creativity, skill, and technical excellence. Faculty members, staff, and students actively participated in the puja and offerings, creating an atmosphere of unity and reverence.

Workshops, laboratories, and equipment were also worshipped as a mark of respect for the tools of learning and innovation. The celebration reflected the institution's spirit of combining knowledge with tradition, while encouraging students to embrace dedication, discipline, and innovation in their professional journey.





❖ Engineer's Day 2025 Celebrations at NIT

Narula Institute of Technology celebrated Engineer's Day on 16th September 2025 with technical poster presentations, expert talks, an industrial visit, and a quiz competition across departments, honoring the legacy of Sir M. Visvesvaraya and inspiring innovation among students.









❖ Agamani - beginning of Durga Puja

Agamani marked the beautiful beginning of Durga Puja, when the air fills with devotion, joy, and anticipation. It is the moment we welcome Maa Durga to her earthly home with love and prayers. Narulites celebrated the fervour of Sharodiya with dance, songs and glee of devotion.













Bhargavi: Bijoya Sammelani

Narula Institute of Technology celebrated Bijoya Sammelani and Diwali Milan with great pomp and splendour, marking a day of joy, cultural expression, and collective harmony.
The event witnessed enthusiastic participation from faculty and staff members who came together to exchange festive greetings and celebrate the triumph of light over darkness and good over evil. The colourful cultural performances, laughter, and warmth of togetherness made the occasion truly memorable.
The celebration embodied the institution's commitment to fostering a positive and united campus culture, where every achievement and festivity is shared as one family.

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BIJOYA SAMMELANI
NAAC 'A' Accredited | NIRF
4TH NOVEM


BHA
BIJOYA SAMMELA
4TH NOV


BIJOYA SAMMELANI A
PRESENTE
Narula Institute o
NAAC 'A' Accredited | NIRF Rank
OVEMBER,


BHARGAV
BIJOYA SAMMELANI AND DIWAL
PRESENTED

Diwali Celebration at Narula Institute of Technology

Narula Institute of Technology came alive with lights, colours, and joy as the institute celebrated Diwali with great enthusiasm and festive spirit. The celebration began with the lighting of diyas by faculty and staff members, symbolizing the triumph of light over darkness and knowledge over ignorance. A vibrant Rangoli and Diya Making Contest was organized on campus, where students displayed their creativity through artistic expressions using vivid colours and intricate designs. The festivities continued with a cultural programme featuring energetic dance performances and a colourful fashion walk. Students adorned traditional attire, beautifully reflecting the rich cultural essence of Kali Puja and Deepavali.









IEEE Distinguished Lecture and Cultural Triumph at Narula Institute of Technology

Narula Institute of Technology hosted an IEEE Distinguished Lecture Program on "Advances in Intelligent Systems and Smart Applications" on 30th October 2025, organized by the Department of Computer Science & Engineering in association with the IEEE Computer Society Chapter, IEEE Kolkata Section.

The keynote speaker, Mr. Mohamed Rawidean Mohd. Kassim, R&D Manager at MIMOS Berhad, Malaysia, and Regional Coordinator (R10) for IEEE CS & IEEE CS DVP, delivered an insightful session highlighting emerging trends in intelligent systems and their real-world applications. The event witnessed enthusiastic participation from students, faculty members, and researchers, fostering a vibrant environment of academic exchange and innovation.





IDEON 2025 – Celebrating Innovation and IEEE Day at Narula Institute of Technology

IDEON 2025, organized by the Department of Computer Science and Engineering at Narula Institute of Technology, was held on 14 October at the Dr. J. C. Bose Auditorium to commemorate IEEE Day. The event featured engaging idea presentations by students, showcasing innovations in technology, sustainability, and research. Esteemed judges and faculty members provided insightful feedback, fostering a spirit of academic excellence and collaboration.

The event successfully embodied IEEE's mission of advancing technology for humanity. IDEON 2025 concluded with a vote of thanks and certificate distribution, leaving participants inspired to pursue impactful innovations and contribute meaningfully to the scientific community.







3rd Annual Literary Fest: A Celebration of Creativity and Expression

The Literary and Public Speaking Club of Narula Institute of Technology successfully hosted the **3rd Annual Literary Fest** on campus with great enthusiasm and spirited participation. The event offered a vibrant platform for young minds to showcase their creativity, imagination, and oratory excellence across diverse literary and artistic domains. Competitions such as **Debate, Character Catwalk, Recitation, Lit-Canvas, Short Film Screening,** and **Creative Writing** captivated audiences while nurturing students' linguistic and artistic talents. Esteemed institutions from both school and college levels took part, adding vibrancy and a healthy competitive spirit to the fest. The occasion was graced by **Ms. Priyanka Ghosh**, noted author of *Sagorbelar Ghor* and writer of the National Award-winning film *Prakton*, who inspired students to embrace storytelling and creativity. The event concluded with a prize distribution ceremony, marking the fest as a resounding success in promoting literary passion and expressive excellence among students.


Narula Institute of Technology
SPELL
RECITATION
NIT-LIT
LEND YOUR EARS
CREATIVE WRITING
LIT CANVAS
NIT-LIT






INSTITUTE OF TECHNOLOGY
RANKING


NIT - LIT
INTER INSTITUTE LITERARY FEST
DEBATE | CHARACTER CATWALK | LIT CANVAS | CREATIVE WRITING |
SPELL BEE | LEND YOUR EARS | SHORT PLAY
ORGANISED BY

Parichay 2025 – A Warm Welcome to Our Freshers!

Narula Institute of Technology celebrated *Parichay 2025*, the much-awaited Freshers' Welcome event, on 27th November with great enthusiasm and joy. The event was filled with vibrant performances, laughter, and excitement as senior students warmly welcomed the new batch to the NIT family. The stage came alive with music, dance, and fun-filled moments that marked the beginning of a new journey for our freshers.











Observing Guru Nanak Jayanti with Devotion and Harmony

Guru Nanak Jayanti was celebrated at the campus with heartfelt devotion and unity. The occasion was marked by a soulful Ardas (collective prayer), echoing the timeless teachings of Guru Nanak Dev Ji to live truthfully, serve selflessly, and embrace all with compassion. The serene chants and peaceful ambiance inspired a sense of gratitude and togetherness, reminding everyone of the values of humility, harmony, and righteousness that continue to illuminate our lives.









Celebrating the Spirit of Democracy at Narula Institute of Technology

Constitution Day was marked with a vibrant **Youth Parliament**, where over fifty enthusiastic first-year students came together to celebrate the essence of democracy. Through discussions on the *Humanitarian Protection and Diplomatic Responsibility Bill 2025*, participants realized that the Constitution is not just a document in books but a living guide that shapes how we act as responsible citizens. Master Warrant Officer B. K. Jha inspired everyone with his words on staying rooted in culture and purpose, reminding us that before becoming engineers or professionals, we

are citizens first. The event reflected the thoughtful engagement of young minds and highlighted that true citizenship is a conscious choice, one built on awareness, empathy, and accountability.









Entrepreneurship & Innovation as Career Opportunities

An awareness workshop on *"Entrepreneurship & Innovation as Career Opportunities"* was organised on 11 November 2025 by the Institute's Innovation Council and the EDC Cell. The event was graced by Ms. Sangita Sen, CEO of Sunny Ray Solutions, who shared her inspiring insights on customer retention through her unique K.A.S.H. philosophy—Knowledge, Attitude, Skill, and Habits. Emphasising the importance of skill development, she highlighted how it transforms consumers into loyal customers, fostering sustainable business growth.







Sports : Narula Super League Season 2: A Smash Hit!

Narula Super League Season 2 the much-awaited Volleyball showdown held on 13th and 14th November 2025 brought two thrilling days of intense rallies, teamwork, and true sportsmanship. *The Boys* ruled the court to claim the championship title, while *The Winners* put up a strong fight as Runners-Up. The semifinals witnessed brilliant performances by Pradip Laha and Prithwi Rudra, each earning the Man of the Match title. In the grand finale, Purna Chandra Pradhan's stellar play made him the star of the match, while Singh Narayan's consistent excellence throughout the tournament crowned him as the Man of the Series. Season 2 raised the bar higher than ever, celebrating Narula Institute of Technology's unstoppable sporting spirit and passion for excellence.









Made in JIS Road Show Inspires Young Innovators at NIT

A student awareness program on *Made in JIS* was successfully held at Narula Institute of Technology on **26th November 2025**. The session, led by **Amaan Khwaja**, Community Manager of *Made in JIS*, offered valuable insights into the initiative's vision, opportunities, and career pathways. With over **300 enthusiastic students** participating, the event was filled with interactive discussions and inspiring exchanges. The program encouraged students to nurture their innovative ideas, explore entrepreneurship, and take advantage of the strong support *Made in JIS* provides to budding innovators and future start-up founders.





When Mentees Become Mentors – A Celebration of Learning and Creativity

The Department of CSE (AI & ML) at Narula Institute of Technology successfully organised an engaging event titled **"When Mentees Become Mentors"** along with a **Logo Design Competition** under the banner of the **IETE Student Forum (ISF)** on 25th November 2025. In this inspiring initiative, 2nd- and 3rd-year students took on the role of mentors, sharing their knowledge on trending technologies like **Generative AI, IoT, Backend Systems,** and **MONAI**. The event also hosted a creative logo design competition, where 20 teams showcased their ideas before an audience of nearly 200 students. The mentors were appreciated for their efforts, and the winners of the competition were awarded for their outstanding creativity. The enthusiasm and teamwork of all participants made the event a memorable success.



Annual Athletic Meet 2025 at NIT

The Annual Athletic Meet of **Narula Institute of Technology** was held on 12th December 2025 with enthusiastic participation from students and staff. The event was inaugurated with a march-past by NCC cadets and the hoisting of the college flag by the Principal, Prof. (Dr.) Subhram Das. Dr. Nidhi Singh, Registrar, highlighted the importance of sportsmanship and physical fitness. The day featured exciting track and field events, including relay races, jumps, throws, and tug of war. The Meet concluded with a prize distribution ceremony, promoting discipline, teamwork, and a vibrant sporting spirit.















Poush Jingles : A Festive Celebration of Culture and Togetherness

Narula Institute of Technology celebrated *Poush Jingles* with great warmth, blending the essence of Poush Parbon and Christmas into a joyful campus festivity. Festive décor, food fusion stalls offering Bengali winter delicacies and Christmas treats, vibrant cultural performances, and a lively Secret Santa exchange created an atmosphere of unity and cheer. The celebration concluded on a warm note, fostering bonding, interaction, and shared festive spirit among students, faculty, and staff.







Saraswati Puja Celebrated at Narula Institute of Technology

Saraswati Puja at **Narula Institute of Technology (NiT)** is a cherished celebration reflecting reverence for knowledge, wisdom, and creativity. The campus comes alive with devotion as students, faculty, and staff come together to seek the blessings of Goddess Saraswati, fostering a spirit of cultural harmony and collective faith.

May this sacred occasion inspire intellectual curiosity, ethical values, innovation, and holistic development, guiding the NiT community towards academic excellence and purposeful growth.





Republic Day Celebration at Narula Institute of Technology

Narula Institute of Technology celebrated the 77th Republic Day of India with pride, patriotism, and reverence for the values of the Constitution. The campus echoed with national spirit as students, faculty, staff, and NCC cadets came together for the occasion. The programme commenced with the hoisting of the National Flag, followed by a disciplined NCC drill symbolising dedication, unity, and service to the nation. The tricolour flying high reflected India's sovereignty, integrity, and democratic ethos.





Atmanirbhar Bharat: HEI Pre-Summit Engagements towards India AI Impact Summit 2026

The Institution's Innovation Council (IIC) Cell of Narula Institute of Technology organized a seminar on "Atmanirbhar Bharat: HEI Pre-Summit Engagements towards India AI Impact Summit 2026" on 3rd February 2026.



The keynote session, "Artificial Intelligence for Atmanirbhar Bharat: Innovation, Inclusion & Impact," was delivered by Dr. Asit Kumar Das, Professor, IIEST Shibpur, who highlighted the transformative role of AI in building a self-reliant nation.

The program also featured a Technical Seminar and Idea Competition on "AI in Real-World Applications," where students presented innovative ideas and live demonstrations.

Yangotsav 2026 @ NiT: A Celebration of Youth, Talent and Energy

Narula Institute of Technology came alive during Yangotsav 2026, powered by Taaza TV, as the campus transformed into a vibrant hub of creativity, culture and youthful enthusiasm. From electrifying stage performances to moments of spontaneous joy, the event reflected the true spirit of Gen Z, dynamic, expressive and full of passion. Music, dance and artistic expressions filled every corner, creating an atmosphere of celebration and togetherness.



A special thanks to Taaza TV for their support and to all the participants whose energy and creativity made Yangotsav 2026 truly memorable

AI UTKARSH 2026 : A Powerful Beginning



"This isn't a college event. This is a policy conversation."

AI Utkarsh 2026 was a landmark two-day International-Level Artificial Intelligence Summit hosted by Narula Institute of Technology (NiT), Kolkata — one of Eastern India's most established private engineering institutions. The summit served as a high-impact convergence platform, uniting industry leaders, policymakers, academic researchers, startups, and students under a shared vision: accelerating responsible and transformative AI adoption in India.

Held during the institution's Silver Jubilee year, AI Utkarsh 2026 was strategically aligned with India's National AI Mission and the Viksit Bharat @2047 development vision. The event produced concrete, measurable outcomes — including 10 strategic institutional MoUs, the formal inauguration of the Apple AI Innovation Cell at NiT, a 24-hour industry-grade Hack-O-NiT Hackathon, an interactive Drone Workshop for school students, and a series of high-caliber keynote and panel discussions featuring nationally and internationally recognized experts.

> *"AI Utkarsh 2026 is not merely a summit — it is a strategic academic initiative aligned with India's AI Mission, Viksit Bharat @2047, Responsible Technology Frameworks, and Industry 4.0 & 5.0 Transformation."*

The summit reinforced NiT's position as a leading AI knowledge and innovation hub in Eastern India and sent a strong signal to the national academic and industry ecosystem that cutting-edge AI discourse is no longer confined to metropolitan centers.

AI Utkarsh 2026 at Narula Institute of Technology began with a grand inaugural ceremony attended by eminent dignitaries from academia, industry, and government. Their insightful addresses highlighted the transformative potential of Artificial Intelligence and emphasized the need for innovation, collaboration, and strong industry–academia partnerships.

The summit featured impactful keynote sessions and engaging panel discussions with leading experts, focusing on the future of AI, responsible deployment, and evolving skill demands. Overall, the sessions created a vibrant platform for knowledge exchange, reflecting the spirit of innovation and collaboration shaping the future of AI.

AI UTKARSH 2026
BY THE NUMBERS

10 Strategic MoUs signed
6 Thematic tracks
3 Panel discussions
25 Years of NiT excellence
24hrs Non-stop Hackathon
5+ Distinguished keynote speakers
1 New AI Innovation Cell launched


CHIEF GUEST
AI UTKARSH SUMMIT 2026
7-8 APRIL, 2026 NIT CAMPUS
HACK-O-NIT
#ACKATHON
NARULA INSTITUTE OF TECHNOLOGY


APRIL, 2026 NIT CAMPUS
HACK-O-NIT
#ACKATHON
INDUSTRY SPONSOR
TECHNICAL COLLABORATION
NARULA INSTITUTE OF TECHNOLOGY
NAAC 'A' Accredited | NIRF Ranked | Under MAKAUT, WB






HACK-O-NiT


UTKARSH




UTKARSH

Hack-O-NiT: Powering Innovation at AI UTKARSH 2026

AI Utkarsh 2026 at Narula Institute of Technology witnessed an electrifying run with the Hack-O-NiT Hackathon and innovation competitions, bringing together enthusiastic and talented students from various institutions over two dynamic days.

The campus buzzed with creativity and collaboration as participants engaged in brainstorming, coding, and developing innovative solutions to real-world challenges. The event strongly reflected the spirit of teamwork, problem-solving, and technological excellence among young innovators.

Overall, it was a power-packed celebration of ideas, innovation, and student excellence, highlighting the vibrant and forward-thinking culture of the summit.



Navodaya 2026, The Cultural Fest– A Celebration of Talent, Music and Style

Navodaya 2026, the signature cultural fest of Narula Institute of Technology was a spectacular blend of technology, culture, music, and fashion. From the electrifying performances and soulful musical renditions to the vibrant energy of the cultural festivities, the event created unforgettable memories for participants and audiences alike. Adding to the excitement, the Fashion Show showcased confidence, creativity, and individuality as contestants lit up the runway with their unique styles and captivating performances. The event was further enriched by the presence of Khushi Singh, Miss Universe Bihar Runner-Up, who graced the occasion as a judge and inspired participants with her elegance and confidence.

Navodaya 2026 truly reflected the spirit of youth, talent, and celebration, making it one of the most memorable events of the year.











Rabindra Jayanti Celebration 2026 at Narula Institute of Technology

Students and staff members of our institute came together to celebrate Rabindra Jayanti in the spirit of "Nabo Anonde Jago", paying tribute to the timeless legacy of Rabindranath Tagore through music, dance, drama, and artistic performances.

The programme featured soulful Rabindra Sangeet, graceful dance performances, Geeti Alekhya, and the dance drama *Chandalika*, beautifully presented by students and faculty members. The special highlight of "Nabo Anonde Jago"was the unique fashion walk by faculty members portraying iconic male and female characters from Tagore's literary works.

The celebration reflected the richness of Tagore's cultural heritage and provided a vibrant platform for artistic expression, making the occasion memorable for all. It was a fitting tribute to the poet, philosopher, and visionary whose works continue to inspire generations.











IDEA STORM 2026

IDEA STORM 2026, the flagship project exhibition of KRITANJ 2026, organized by the Department of Computer Science & Engineering, Narula Institute of Technology, showcased innovation, creativity, and technological excellence among aspiring engineers. The event attracted **34 teams** from leading institutions, including Narula Institute of Technology, Jadavpur University, University of Calcutta, IIT Bhubaneswar, Heritage Institute of Technology, Guru Nanak Institute of Technology, JIS College of Engineering, and JIS School of Polytechnic.

A total of **34 projects** were exhibited, comprising **18 software-based, 13 integrated hardware-software, and 3 hardware-based solutions**, addressing real-world challenges through emerging technologies.The event was conducted in collaboration with **IEEE CS, CIS, PES, ComSoc, IAS, TEMS Kolkata Sections, IETE, IE(I), and CSI**, with sponsorship support from **IQApex Labs, AgriScore, Cronus Consultants, IEEE Computer Society, IETE, and GDG Kolkata**.

After evaluation by distinguished academicians and industry experts, **Vision X Edge (Narula Institute of Technology)** secured the **1st position** for their *Weather Adaptive Vision Stick*, an AI and IoT-enabled assistive device for safe navigation of visually impaired individuals. **THE**

VISIONARIES (Narula Institute of Technology) achieved the **2nd position** for *NaviSense*, an intelligent mobility aid featuring contextual obstacle detection, emergency assistance, and caregiver connectivity. **Antarez (Jadavpur University)** earned the **3rd position** for *Electronic Foliage*, a bio-mimetic sensor network that creates real-time urban micro-climate digital twins for smart city applications.



JIS Education Expo 2026: Moments That Inspired Tomorrow

JIS Education Expo 2026 was a celebration of ambition, guidance, innovation, and endless possibilities. From inspiring interactions and expert guidance to moments of recognition and achievement, every frame reflects the spirit of learning and growth. Students, parents, educators, and mentors came together with one shared purpose—to explore opportunities and shape brighter futures.

The event was further enriched by the inspiring presence of Roopa Ganguly, Silajit Majumder, Sabyasachi Chakrabarty, and Samik Bhattacharya, making the occasion even more memorable. Every conversation sparked new ideas, every interaction inspired confidence, and every smile reflected a future full of promise.


CERTIFICATE
OF EXCELLENCE
EXEMPLARY ACADEMIC PERFORMANCE IN THE
BOARD EXAMINATION 2026
JIS
39
185
45000
KOLKATA EDITION

Pashchimbanga Dibas : Celebrating the Spirit of Bengal Through Ideas and Expression

On the occasion of Pashchimbanga Dibas, proudly hosted an Inter-College Debate and Essay Writing Competition, bringing together talented students from leading institutions across West Bengal.The event celebrated Bengal's rich intellectual and cultural heritage through thought-provoking debates, insightful essays, and meaningful discussions. Participants showcased their critical thinking, creativity, and eloquence while exchanging diverse perspectives on important issues.









World Environment Day 2026 | "Ekti Gaach Maayer Naame"

On the occasion of World Environment Day 2026, the NSS Unit and Environment Club organized "Ekti Gaach Maayer Naame", a meaningful initiative to promote environmental awareness and sustainable living.

The programme featured a tree plantation and awareness drive at Agarpara Swami Vivekananda Academy, a campus-wide plantation drive, sapling distribution among Environment Club members, and a poster-making competition centred on the theme of World Environment Day.







International Day of Yoga 2026 at Narula Institute of Technology

The NSS Unit enthusiastically celebrated International Day of Yoga 2026, reaffirming its commitment to promoting physical fitness, mental well-being, and a healthy lifestyle among students and staff.

The celebration featured guided yoga asanas, pranayama, and meditation sessions, with enthusiastic participation from the institute community. The event highlighted the importance of achieving harmony between the mind and body while encouraging participants to embrace yoga as a way of life.





INTERNATIONAL CONFERENCES & GLOBAL KNOWLEDGE EXCHANGE

STEPCON

The Department of Electrical Engineering, Narula Institute of Technology, in association with the IEEE Kolkata Section, successfully organized the IEEE International Conference on Sustainable Technology in Energy and Power Systems (STEPCon-2025) on November 20–21, 2025, at the Narula Institute of Technology campus, Kolkata. The two-day international conference brought together eminent academicians, researchers, industry professionals, research scholars and students to deliberate on emerging technological advancements and innovative solutions in sustainable energy, electrical power systems and allied engineering domains. With participation from international researchers and contributions from countries including Vietnam, China and Russia, STEPCon-2025 provided a distinguished global platform for academic exchange, interdisciplinary research and industry-academia collaboration.

The conference was conceptualized with the objective of promoting innovation in sustainable energy and power systems, facilitating knowledge exchange, strengthening academic and industrial partnerships, and advancing intelligent and sustainable technological solutions. The technical deliberations encompassed a wide range of contemporary themes, including renewable energy technologies, smart grid systems, sustainable utilization of energy, power system control, communication and networking, computational analysis, artificial intelligence applications and emerging developments in electrical engineering.

The inaugural ceremony commenced on November 20, 2025, at the J. C. Bose Auditorium, Narula Institute of Technology, with the traditional lighting of the ceremonial lamp, symbolizing the pursuit of knowledge, wisdom and innovation. The event witnessed the presence of distinguished dignitaries, IEEE representatives, members of the academic fraternity, industry experts and international delegates. The organizing committee extended a warm welcome to the participants, reaffirming the Institute's commitment to creating collaborative platforms that bridge academic research with industrial applications and emerging technological challenges.

The conference was graced by Mr. S. K. Soonee, Founder Chairman, Grid India, as the Chief Guest, and Mr. Rajib Sutradhar, Executive Director, Eastern Regional Load Despatch Centre (ERLDC), as the Guest of Honour. Distinguished guests included Mr. Maxim V. Kozlov and Ms. Ekaterina Tyurina, representatives of the Consulate General of the Russian Federation, Kolkata.

The conference also welcomed several eminent international and national keynote speakers, including Dr. Octavian Adrian Postolache, ISCTE-Lisbon, Portugal; Prof. (Dr.) Ambrish Chandra, Canada; Dr. Sergey Viktorovich Loktionov, Moscow Power Engineering Institute, Russia; Prof. Bhim Singh, IIT Delhi; Prof. (Dr.) Sujit K. Biswas, former Professor and Head, Jadavpur University; and Dr. K. Gopakumar, Indian Institute of Science (IISc), Bengaluru.

The inaugural addresses were delivered by Prof. (Dr.) Soumen Banerjee, Principal, Narula Institute of Technology and Conference Chair, and Prof. (Dr.) Bansari Deb Mazumdar, Head of the Department of Electrical Engineering and Conference Convenor. The dignitaries emphasized the importance of future-ready engineering education, collaborative research and technological innovation in addressing the challenges of energy transition and sustainable development. They highlighted the growing relevance of digitalization, renewable energy integration and climate-responsive technologies in shaping the global power sector.

The Chief Guest, Mr. S. K. Soonee, delivered an insightful keynote address on India's evolving power sector and the transformation of its national electricity grid. Drawing upon his extensive experience in the development and operation of India's power infrastructure, he traced the country's journey from fragmented regional electricity networks to the unified synchronous grid, culminating in the landmark achievement of "One Nation, One Grid, One Frequency" in 2013. He highlighted the growing challenges associated with integrating large-scale renewable energy resources and emphasized the importance of grid modernization, energy storage, forecasting systems, flexible transmission technologies and real-time electricity markets. Encouraging young engineers to embrace continuous learning and innovation, he underlined the responsibility of the next generation in building a secure, resilient and sustainable power ecosystem.

Mr. Soonee further elaborated on the theme of "Integrating Renewables in Power Markets," highlighting the significance of market-based mechanisms, accurate renewable energy forecasting, demand-response systems and ancillary services in maintaining grid stability. He discussed how emerging electricity markets, particularly Day-Ahead and Real-Time Markets, can facilitate the efficient integration of variable renewable energy sources while ensuring reliability and affordability. His address offered valuable perspectives on India's ambitious renewable energy targets and the technological and institutional innovations required to achieve a greener electricity ecosystem.

Mr. Rajib Sutradhar, Executive Director, Eastern Regional Load Despatch Centre, delivered an engaging address on the evolving role of Regional Load Despatch Centres in managing India's increasingly complex power network. He discussed the transformation of grid operations in response to rising renewable energy penetration, emphasizing real-time monitoring, forecasting, scheduling, balancing markets and operational resilience. Particular attention was given to the role of pumped-storage plants in providing grid flexibility, managing peak demand and supporting renewable energy integration. He also highlighted emerging requirements in grid cybersecurity,

demand-side management, smart metering, contingency planning and advanced stability management. His address provided participants with an in-depth understanding of the operational challenges and opportunities associated with India's transition towards a renewable-rich and intelligent power grid.

An intellectually stimulating keynote session was delivered by Dr. Octavian Adrian Postolache, Professor, ISCTE-Lisbon, Portugal, focusing on innovations in smart sensing, Internet of Things (IoT) systems and intelligent healthcare technologies. He explored the evolution of smart sensor ecosystems and their applications in real-time monitoring, industrial automation and interconnected smart environments. His presentation highlighted the integration of artificial intelligence, sensor fusion, embedded machine learning and advanced communication technologies in developing intelligent sensing solutions. He also discussed the transformative role of IoT-enabled wearable devices, remote health monitoring systems and AI-driven diagnostic platforms in advancing predictive and personalized healthcare. His session demonstrated the interdisciplinary potential of sensing technologies across engineering, healthcare and societal applications.

Prof. (Dr.) Sujit K. Biswas, Former Professor and Head, Jadavpur University, shared valuable insights into power electronic converters for distributed generation and custom power applications. His presentation focused on converter architectures, modern semiconductor devices, advanced control strategies and power-conditioning technologies for distributed energy systems. He elaborated on the role of power electronic converters in improving power quality, enhancing system reliability and facilitating the integration of renewable energy sources, microgrids and energy storage systems. His lecture highlighted the importance of advanced power electronics in developing efficient, flexible and sustainable smart energy networks.

Dr. K. Gopakumar, Professor, Indian Institute of Science (IISc), Bengaluru, delivered a technically enriching keynote address on increasing the linear modulation range of electric drives using sinusoidal pulse-width modulation (PWM) operation in the overmodulation region. Drawing upon his extensive research experience in power electronics and electrical drive systems, he discussed advanced converter topologies, modulation techniques and control strategies for improving the performance and efficiency of modern electrical systems. He also highlighted the applications of multilevel inverters and advanced power conversion technologies in renewable energy systems, industrial automation and electric mobility. His presentation encouraged young researchers to explore emerging developments in power electronics and contribute to next-generation sustainable energy solutions.

Dr. Sergey Viktorovich Loktionov, Moscow Power Engineering Institute, Russia, presented an insightful lecture on improving electric power system control through phase-shifting transformers. His discussion focused on the calculation and optimization of transformer control angles, variable reactance and their influence on electrical network operating parameters. He explored the

application of phase-shifting transformer control strategies in facilitating renewable energy integration, improving power flow management and enhancing the operational efficiency of interconnected power systems. His contribution offered an international research perspective on advanced grid-control technologies and the evolving challenges of modern power networks.

The conference also benefited from the participation of distinguished international experts and members of its global advisory committee representing countries including Australia, Sweden, Slovakia, South Africa, Bangladesh, Canada and Poland. The international research contributions, including papers from Vietnam, China and Russia, further strengthened the global academic character of the event and encouraged meaningful cross-border research engagement.

One of the major academic highlights of STEPCon-2025 was the presentation of 54 peer-reviewed technical research papers across various thematic tracks, including Sustainable Energy, Intelligent Grid Systems, Sustainable Utilization of Energy and Control, Communication and Networking, and Computational Analysis. The conference provided researchers and academicians with an opportunity to present their findings, exchange technical perspectives and engage in discussions on emerging challenges and future research directions. The official IEEE Conference Proceedings were announced as ready for publication and distribution to registered delegates, further reinforcing the conference's commitment to disseminating quality scholarly research.

Conducted across multiple academic venues within the campus, including the J. C. Bose Auditorium, C. V. Raman Seminar Hall, Dr. Sarvepalli Radhakrishnan Seminar Hall and Language Lab-1, the two-day programme featured keynote lectures, technical paper presentations and interactive academic sessions. The participation of eminent international speakers, national experts, industry representatives and young researchers created a stimulating environment for professional networking and collaborative knowledge sharing.

STEPCon-2025 successfully reinforced the importance of international academic collaboration, research excellence and technological innovation in addressing the emerging challenges of sustainable energy and power systems. The association with the IEEE Kolkata Section, participation of globally renowned experts, presentation of 54 peer-reviewed research papers and engagement of the academic and industrial communities made the conference a significant milestone in the Institute's research and innovation initiatives.

Through STEPCon-2025, Narula Institute of Technology reaffirmed its commitment to fostering global research partnerships, advancing sustainable engineering practices and creating opportunities for the next generation of engineers and researchers to contribute to the transformation of the global energy landscape.


2025 International Conference on Sustainable
Technology in Energy and Power Systems


2025 International Conference on Sustainable
Technology in Energy and Power Systems
20 - 21 November, 2025



Dr Octavian Adrian Postolache
Professor,ISCTE-Instituto Universitario de Lisbon,Portugal



Mr Maxim V. Kozlov
Consulate General of the Russian Federation,Kolkata



Miss Ekaterina Tyurina
Vice Consulalate General of Russian Federation, Kolkata



Mr. Sunil Kumar Soonee
Former and Founder CEO POSOCO , Retd CPES India , Distinguished member Cigre



Dr Sergey Viktorovich
Department of Electric power systems,National Research Institute, Moscow, Russia



Prof Ratna Chakraborty
Vice-Chair,WIE Affinity Group, IEEE Kolkata section




2025 International Conference on Sustainable
Technology in Energy and Power Systems

Photos and Media:



SIGNASS 2026

The Department of Electronics and Communication Engineering and the Department of Electronics and Computer Science, Narula Institute of Technology, jointly organised the **International Conference on Signal Analysis for Smart Systems (SIGNASS 2026)** from 12 to 14 February 2026 at the institute's campus in Kolkata, West Bengal, India. The conference was technically co-sponsored by the Institute of Electrical and Electronics Engineers (IEEE), under Conference ID #67826. Accepted papers were to be submitted for inclusion in IEEE Xplore, subject to compliance with IEEE standards.

SIGNASS 2026 provided an international platform for deliberations on recent advances and emerging trends in signal processing, machine learning, artificial intelligence and smart system applications. The conference witnessed the participation of eminent academicians, researchers and industry professionals from across the globe, fostering meaningful academic exchange and knowledge sharing. Students and research scholars from various institutions actively participated in the oral and poster presentation sessions, presenting their research contributions across diverse thematic areas. The conference also welcomed international delegates who delivered expert talks and shared global perspectives and insights in their respective fields, enriching the academic discussions.

A significant highlight of the conference was its **inaugural ceremony, held on 12 February 2026**, followed by the signing of a Memorandum of Understanding (MoU) between **National Yang Ming Chiao Tung University, Taiwan, and Narula Institute of Technology**. This collaboration marked an important step towards strengthening international academic cooperation and fostering opportunities for future research and institutional engagement.

The subsequent proceedings featured keynote addresses, technical paper presentations and poster sessions across multiple thematic tracks. A panel discussion on **"Domain-Aware AI/ML for Real-World Signal Processing: Healthcare and Communication Perspective"** further explored the practical applications and emerging possibilities of intelligent signal-processing technologies in critical domains.

SIGNASS 2026 reinforced Narula Institute of Technology's commitment to promoting interdisciplinary research, international collaboration and innovation, while providing students, researchers and academicians with a valuable forum to engage with emerging technologies and contemporary research challenges.

"Advancing Intelligent Systems Through Signals, Innovation and Global Collaboration."


International Conference on
Signal Analysis for Smart Systems (SIGNASS-2026)
IEEE
KOLKATA SECTION
JIS
GROUP
NIT


Date : 12th – 14th February, 2026
Dr. Pallab Ganguly
Dr. Subhrata Das
IEEE
JIS
NIT
SIGNASS-2026


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DR. ANCHIT BIJALWAN
IEEE
ROLKATA SECTION
Scopus

CHAPTER - 3

INFRASTRUCTURES

ICT based Classrooms

The institute has been making an untiring endeavour since its inception for ensuring adequate availability and optimal utilization of physical infrastructure for smooth conduction of teaching learning activities within a well maintained lush green campus. It has adequate infrastructure in alignment with the regulatory norms as listed below.

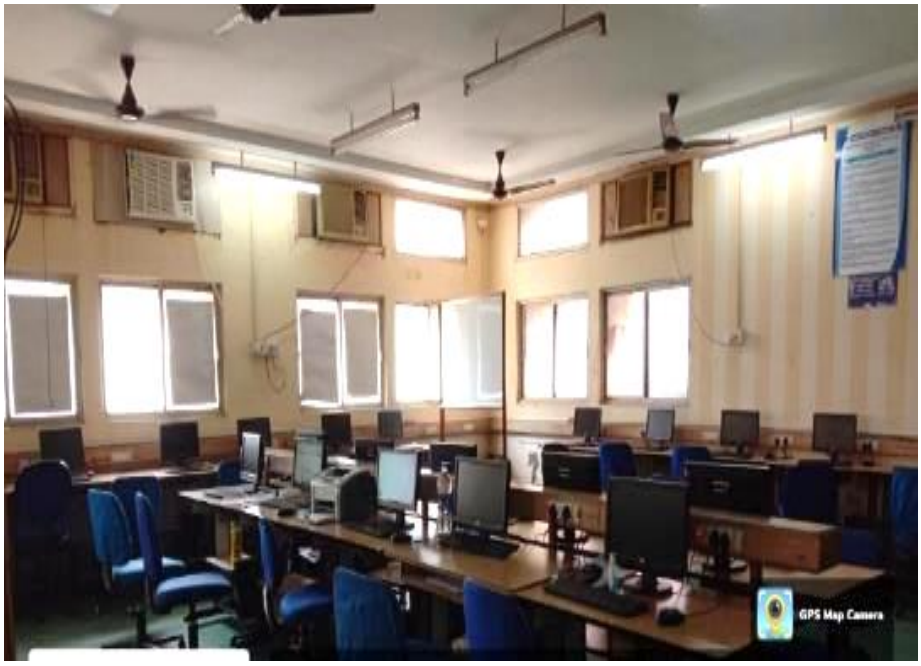
Classrooms for Theory/Tutorial Classes: The institute has 52 ICT-enabled ergonomically designed classrooms each with proper ventilation and reverberation free ambience for smooth conduction of theory classes. Additionally, there are also adequate numbers of tutorial rooms to cater to the special needs of teaching learning process.



Laboratory & Computing Facilities:

Adhering to the specifications as laid down by the regulatory body, the institute always makes sincere endeavors to ensure quality of all of its UG and PG laboratories (including research laboratories). All the laboratories including workshops are equipped with excellent instruments. There are also some industry sponsored laboratories to offer training for Remote Sensing, PCB design and Fluid Power Control.

A constant effort has been made to modernize laboratories for upskilling students on modern-day automation in alignment with the need for Industry 4.0 digital transformation. The non- IT lab facilities encompassing Mechanical Engineering Labs (e,g. Hydraulic Lab), Electronics Engineering Labs (e.g. PLC Lab), Electrical Engineering Labs, Civil Engineering Labs, Instrumentation Engineering Labs etc. are also equipped with most modern setups procured from global technology giants such as BOSCH, Siemens, Honeywell etc.



In recent days, computer system has become an inseparable component for every academic activity. The entire campus has more than thousand active PCs with the latest i7/i5/i3, 16GB/8GB/4GB/ DDR4 RAM hardware features. Sufficient number of essential licensed system software (19) and licensed application software (54) with annually renewed Microsoft campus agreement are installed in each PC.

Beyond the basic software requirements of teaching and learning, the institute has also ensured availability of several utility software kits such as IBM RATIONAL ROSE, CATIA V6, DEL STATISTICA, STAAD PRO, ANSYS, CADENCE, Visual T-CAD, Symica AMS IC Design Tool Kit, Proteus VSM, Synopsys EDA Tools, Mathematica, Caspock, Matlab, LabView, MiPower etc. The institute has a central computer centre which comprises adequate number of computers with 1:3 availability ratio for the students to carry out their academic and research activities smoothly without any logistic issues. All computers are connected to the internet over high-speed cables and a dedicated system admin looks after the maintenance of the computing facility.



Internet Connectivity, G-Suite Google Account & Printer Facilities: Institute provides uninterrupted access to network services with 200 Mbps internet bandwidth. The campus is Wi-fi enabled with 24/7 internet connection facilities having adequate band-width for conducting live sessions. The institute also provides printing facilities to the faculties with availability of different types of LaserJet black & white and colour printers. Each faculty member is also officially provided a g-suite google account to avail facilities like Gmail, Google Meet, Google Classroom, Google Drive for ensuring collaborative working environment.

Additional Facilities: In addition, the institute has five digital studios which have the facility for recording and projection with audio visual system. The institute also has a dedicated language lab equipped with the most advanced AV System and ISIL software.

Other Important Laboratories:

CENTRE OF EXCELLENCE (COE) FOR INNOVATION ECOSYSTEM

NIT has created the Centre of Excellence (CoE) for Innovation Ecosystem harnessing talents in some of its potential areas. This centre will cater to the growing needs and potentials of the students involved in higher education by providing them tools, methodologies and support for exciting research opportunities. This is not going to be department specific but interdisciplinary ventures which thus are going to create entrepreneurial avenues leading to employment generation rather than mere job seekers.

In this centre of excellence, we aim

1. To harness the potential of technological advances to solve the existing socio-economic and environmental problems.
2. To turn the digital divide into a digital opportunity for all through functionality driven lowcost hardware design.
3. To develop a fertile ground for learners, developers, contributors, entrepreneurs and decision-makers. To work in the direction of building an inclusive society with the participation of Government, Private Sector and International Organizations.

❖ The **Centre of Excellence Laboratory by BOSCH and REXROTH**

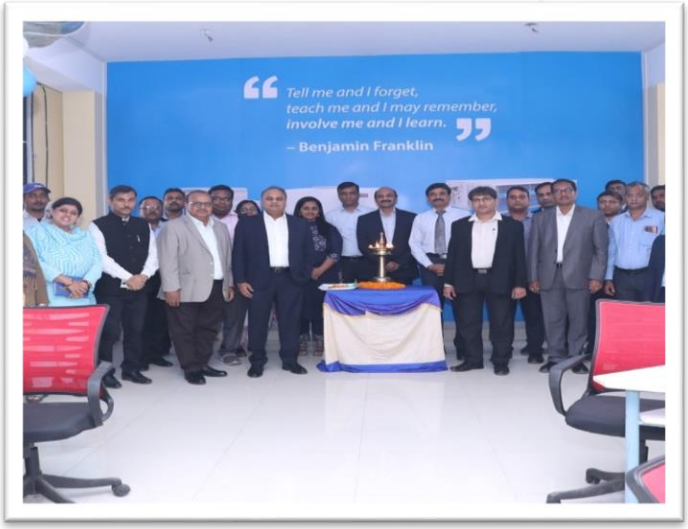


❖ Blue-Star lab

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.





❖ Apple Lab

Narula Institute of Technology has unveiled a state-of-the-art computer lab, with Apple desktops, offering students access to advanced technology and industry-standard tools. The lab aims to bridge the gap between academic learning and real-world applications, preparing students for careers in creative fields.

With Apple computers, students can work with tools like Final Cut Pro for video editing, Xcode for app development, and Logic Pro for music production, enhancing their skills for industries such as graphic design, video production, music, and software development.





Library & Documentation Centre



The Central Library of Narula Institute of Technology is an integral part of the Institute since the establishment of the college in order to meet the information requirement of the faculty, Students & Staffs The automated library has an enormous collection consisting of near about 93,000 (Ninety-three thousand) Printed books, journals, E-Journals, E-Books, Magazines, Newspaper &CD-ROMs. The goal of the Library & Documentation Centre is to support the advancement of knowledge & education excellence by offerings a rich collection development policy, automated Circulation system, book bank facility for every student, Digital zone segment, question bank repository, Display Service & E-mail service towards its clientele.

Mission, Vision, Policy

The mission, vision & policy are same as with the Institution's mission, vision & policy.

Goal

The goal of the Library & Documentation Centre of the Institute to create and sustain an information environment that supports the educational and research needs and enables learning and advancement of knowledge of the Institution community.

Library Opening Hours

- ***Reading Room*** 10 am to 8.00 pm
- ***Reference Section*** 10 am to 8.00 pm
- ***Journal and Career Guidance*** 10 am to 8.00 pm
- ***Internet Section*** 10 am to 5.45 pm
- ***Lending Section*** 10 am to 5.45 pm

Membership

Students & Staff can access library with their **College ID Cards**.

Overdue & Loss of Books

- For overdue of Books- Per day 2/-
- For Damage or loss of books- Replacement by the same
- Barcode Mutilation- Penalty of 25/-

Circulation

Document Type	Faculty & Staffs		Students	
	Entitlement	**Retention**	**Entitlement**	**Retention**
Books (Text)	06	180 Days	One title/ Subject	180 Days
Books (Reference)	04	15 Days	04	15 Days
Books (Daily Purpose)	01	01 Days	01	01 Days
CD ROM	01	01 Days	01	01 Days
Journal/Magazines	01	01 Days	01	01 Days

Annual Addition of Books

Year	Books	
	Title	Volume
2025-2026	75	2082

Library Floor Area

The library consisting of the following areas:

Room No.	Allotted For	Area(in m2)
203A	Faculty Reading Room	36
204A	Student E-Zone	36
205	Stack Room (Semester books)	109.36
206	Circulation Room + Technical Processing Unit	109.07
207	Stack Room (Reference Room)	72.55
208	Stack Room (Semester books)	72.55
209	Boys' Toilet	29
210A	Girls' Toilet	29
211	Reading room	254
212	Librarian's Room + Study Zone	72.81
213	Open Access	254
Corridor	Corridor	170.53
Total Area 1244.87		

Library Transaction

Academic Year	Teaching Days	Total Transaction	Average Transaction
2025-2026	90	52750	590

Library Budget

Year	Books (inLakhs)	Magazines/Journals (Hard copy)	Magazines/Journals (Soft copy)	Misc. Contents
2025-2026	16.64	69,800	21.60	32.25

Digital Library

- E-Books from leading Publishers
- E-Journals from IEEE ASSP
- J Gate Database
- E-Shodh Sindhu from INFLIBNET
- Inter Library Loan from British Council Library- VCDs, multimedia CDs, presentations.
- NDL Support
- Training material (CD, Hard copy)

- E-learning repository of 1900 GB
- 4,09,594 videos of 12482 subjects
- NPTEL Videos & Lecture Notes
- Self-learning material (CD, Hard copy)

Library Service

- Circulation of Library Resources

The primary service of the library begins from Circulation desk. Users are advised to bring their college ID card to access the library. The issue, return, reissue, fine for overdue are functioned from this section and the entire process is computerized and run by LIBMAN Software.

- Open Access

Library gives the provision of open access facility for optimum use of the library resources.

- E Resources

The library has a subscription of IEEE journal & Wiley E-Books. Apart from this, library is a member of N - LIST (National Library and Information Services infrastructure for Scholarly Content) consortium of INFLIBNET through which the members of the library can access 6000+ e-journals and 1,99,500+ e books.

- Digital Zone

There are separate segment consisting of ten dedicated PCs for student & staffs with internet connectivity for browsing & accessing e-resources of the library. Beside this, the entire library has a provision to access Wi Fi facility.

- Remote Access of E-resources

Library E-resources are accessible remotely through FTP with login id credentials.

- Repository

There is a large collection of Syllabus, conference proceedings, previous year question papers, CD ROMs.

▪ Reading Room facility

Library has separate reading room facility for both students & staffs with 150 seating occupancy.

▪ Magazines & Newspaper Desk

Library subscribes 10 magazines & 7 leading newspapers for advancement of knowledge.

▪ Career Corner

Library provides relevant books & magazines to nurture the career up gradation as well as personality development of students.

▪ Others

Students & staffs are entitled to get facilities of Email Service, Display Service, Content service, Reprographic service, & others ad hoc services from library.

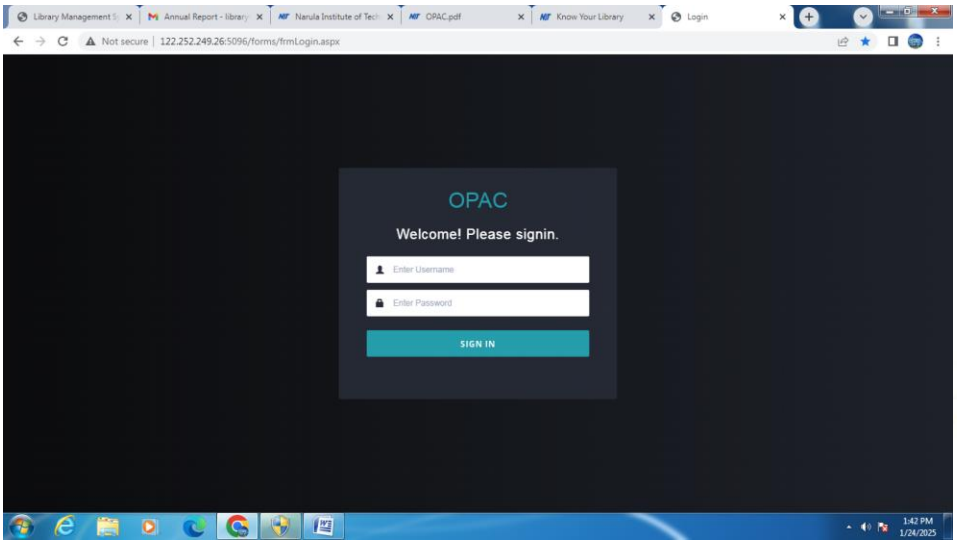
- **WEB OPAC**

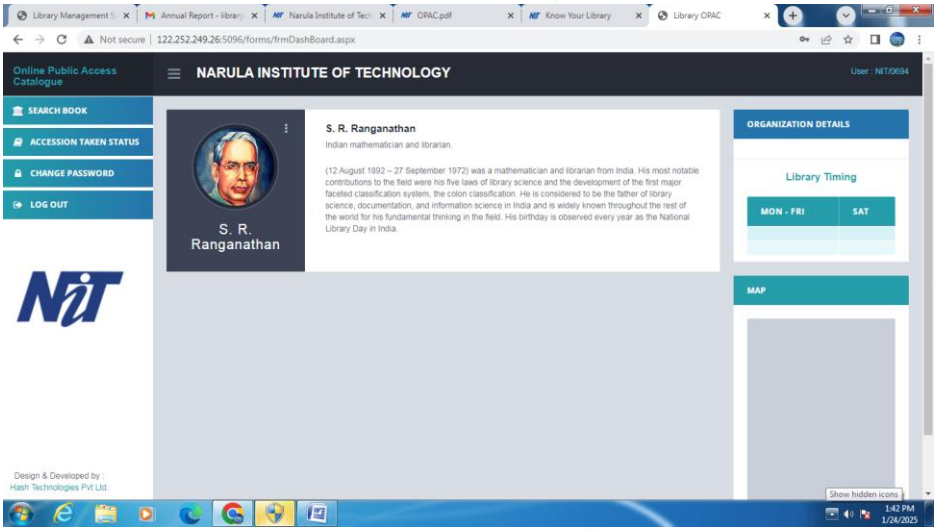
URL: http://122.252.249.26:5096/forms/frmLogin.aspx

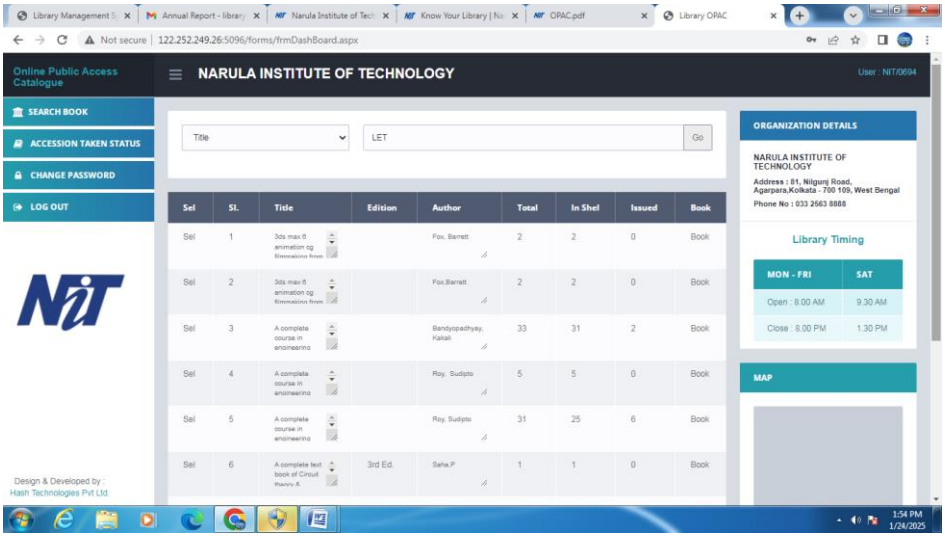
Username: Employee ID No. (For Faculty and Staff)

Student Code / College ID Card No. (For students)

Password: opac1234







- **Library is automated using Integrated Library Management System (ILMS)**

The Library Management System, # LIBMAN Version 5.3, which was implemented in 2017, partially automates the NIT Library. It is an LMS that handles all of the major library services. These are mentioned as follows:

1. MASTER (Import Student, Version Master, Material Type Master, Publisher Master, Reader Data Update, Serial Control Master, Publishing Place, Vendor Master)

2. CATALOGUING (Accession Generation, Accession Cancellation, Accession Sub Allotment, Accession Wise Department)
3. CIRCULATION (Accession Issue, Return of Accession, Late Fine Recovery, Accession Re-Issue)
4. SERIAL CONTROL
5. UTILITY (Change Password)
6. QUERY (Queries on Accession, OPAC Login Details)
7. REPORTS (Accession Register, Accession Outstanding Register, Accession Issue Register, Accession Return Register, Fine Recovered Register, Accession Transaction Register)

   With their login credentials, users can remotely access the Library's Web OPAC 24*7, including the status of their books. Each person can search their own list of returned and pending books.

Library Web OPAC URL: http://122.252.249.26:5096/forms/frmLogin.aspx

Digital Learning Platform (Recommended by AICTE)

Sl. No.	Name	Website URL
1	National Digital Library	https://ndl.iitkgp.ac.in/
2	SWAYAM Online Courses	https://storage.googleapis.com/uniquecourses/online.
3	National Knowledge Network	http://nkn.gov.in/en
4	NPTEL [National Programme on Technology Enhanced Learning]	https://nptel.ac.in/
5	AICTE: NEAT	https://neat.aicte-india.org/

6	AICTE: Enhancement in Learning with Improvement in Skills (ELIS) portal	http://free.aicte-india.org/
7	InfoPort	https://infoport.inflibnet.ac.in
8	Talks to Teacher	https://www.ted.com/playlists/182/talks_from_inspir
9	A-VIEW	http://aview.in
10	Virtual Labs	http://www.vlab.co.in/
11	FOSSEE	https://fossee.in
12	Spoken Tutorial	https://spoken-tutorial.org/
13	e-Yantra	https://www.e-yantra.org/
14	Oscar++	https://www.it.iitb.ac.in/
15	E-Kalpa	https://icar.org.in/content/e-kalpa
16	NCERT Text Books [class I to XII]	http://ncert.nic.in/textbook/textbook.htm
17	UG/PG MOOCs	http://ugcmoocs.inflibnet.ac.in/ugcmoocs/
18	e-PG Pathshala	https://epgp.inflibnet.ac.in
19	e-Content courseware in UG subjects	http://cec.nic.in/cec/
20	SWAYAMPRABHA	https://www.swayamprabha.gov.in
21	e-Shodh Sindhu	https://ess.inflibnet.ac.in/
22	Vidwan	https://sakshat.ac.in/?project=vidwan
23	SNLTR	https://nltr.org/
24	National Educational Alliance for Technology	https://neat.aicte-india.org/
25	Coursera for Campus, institutions or faculty members	https://www.coursera.org/coronavirus
26	TCS iON Digital Glass Room	https://learning.tcsionhub.in/hub/glass-room/

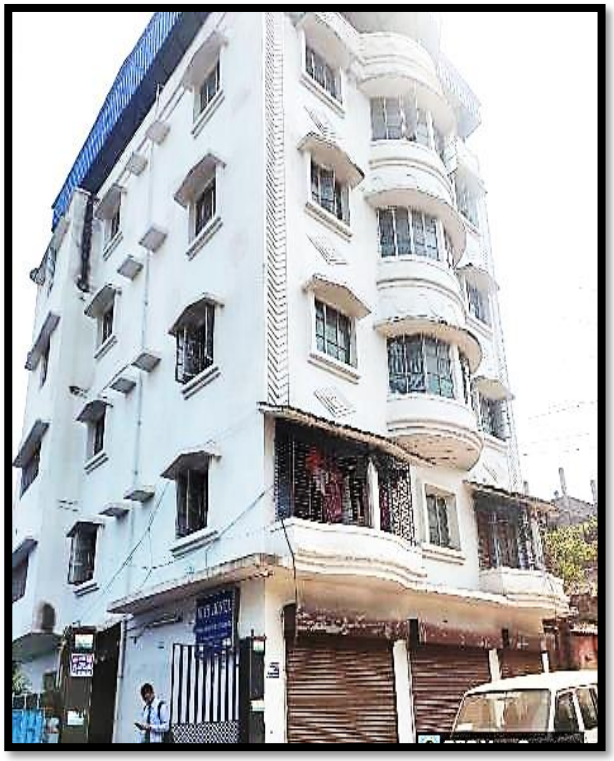
27	Enhancement in Learning with Improvement in Skills (ELIS) portal	http://free.aicte-india.org/
28	MTUTOR Digital eLearning	https://www.m-tutor.com/
29	SOS	http://sos-tools.org/
30	National Mission on Education	https://www.it.iitb.ac.in/nmeict/home.html
31	QUANTUM & NANO COMPUTING	https://www.dei.ac.in/dei/quantumNano/
32	DIGITAL LIBRARY INFLIBNET	https://ess.inflibnet.ac.in/
33	Smart India Hackathon	https://www.sih.gov.in/
34	YOUTH4WORK	https://www.youth4work.com/onlinetalenttest
35	IEEE RESOURCES - DIGITAL LIBRARY	https://ieeexplore.ieee.org/courses/details/EDP333
36	National Apprenticeship Training Scheme	http://mhrdnats.gov.in/
37	AAKASH EDUCATIONAL PORTAL	https://www.it.iitb.ac.in/nmeict/home.html
38	SAKSHAT	https://sakshat.ac.in/
39	AICTE Training And Learning (ATAL) Academy	https://www.aicte-india.org/atal
40	AICTE Collaborations (MoU) with other Organizations	https://www.aicte-india.org/atal

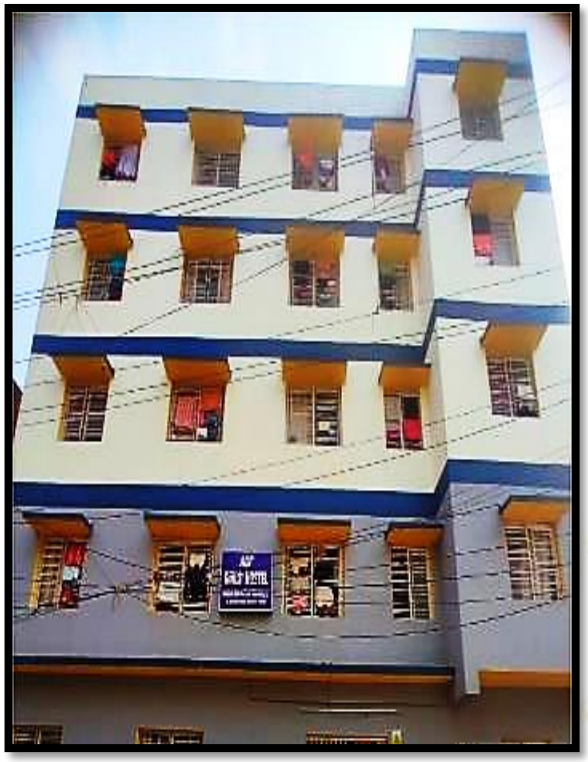
HOSTELS

NIT Hostels is A Home Away from Home is a hub of academic, sports, cultural and social activities. It is said that home is sweet. But even then life at home cannot be compared to the life in a hostel.

NIT provides separate hostel for boys and girls.

Each hostel has spacious and semi furnished rooms offering a pleasant environment. The hostels are well- equipped with spacious rooms along with other facilities like:**Wi-Fi, water purifier, water cooler and provision for indoor as well as outdoor games**. These hostels also have home like dining facilities that offer fresh & nutritious food to the students. Hostels give an environment to create most effective conditions for student development. **The hostels are located both within the campus and off the campus thus offering secured abode. Hostel also provides transportation at fixed timings to maintain security.** The hostel is designed in such a way as to provide optimum utilization of student's time for their overall personality development.





ADMISSION in Hostels

- Seats available for first year students are 250-300 including all hostels.
- Allotment of seats as per the norms laid down by the college.
- Only those students whose parents do not reside in or around the Capital Region OF KOLKATA are eligible for admission to hostel.
- Resident students are re-admitted to the hostel based on the following criteria:
- • CGPA of 6 • 67% minimum college attendance in the previous academic session

MESS AND CANTEEN FACILITIES

Mess facility is an integral part of the campus which provides nutritious homely food to all hostellers, day scholars, faculty & staff members and visitors. It provides 4 meals a day. Quality food is prepared under strict hygienic conditions. The food is served in the dining area keeping all the sensitivities in consideration.

- All the hostel mess serves Vegetarian/Non- Vegetarian Food only and operates in selfservice mode.
- The menu of the items is designed considering the requirements of the students and nutrition is added to make it healthy and complete.
- We offer morning tea with regular breakfast, lunch, evening snacks and tea, dinner and milk to all hostellers.
- The Canteen facility is available in all the campuses of Hostels which comprises of healthy & delicious variety of VEG/NON-VEG snacks & food.







MEDICAL FACILITIES

- Whenever needed, HOSTELLER may utilize medical services provided at the SAGAR DUTTA MEDICAL COLLEGE AND HOSPITAL.
- The college doctor is available from 11:00 a.m. - 2:00 p.m. on the weekdays.
- The medical counselor is available twice a week (on Tuesdays & Thursdays) from 1:30 p.m.- 3:30 p.m

MEDICAL CENTRE

- The institute has an exclusive medical center equipped with all facilities for providing first-aid and first hand medical treatment. The room has medical beds for emergency cases. A professional doctor is available during college hours for taking care of any emergency.



- Free medical check-up drives are arranged from time to time, which includes eye testing and a thorough check up of salient features like Blood pressure, ECG and diabetes.
- The centre plays a pivotal role in extending nursing facilities.

Chapter 4

ACADEMICS

❖ Programs offered

UNDER GRADUATE (FULL TIME) : B. TECH (4-YEAR)

1. Mechanical Engineering (ME)- 60 Seats
2. Computer Science & Engineering (CSE) - 300 Seats
3. Computer Science and Technology (CST) - 60 Seats
4. Electronics & Communication Engineering (ECE)- 150 Seats
5. Information Technology (IT) - 180 Seats
6. Electrical Engineering (EE) - 60 Seats
7. Civil Engineering (Civil) - 60 Seats
8. Electronics &Computer Science Engineering (ECS) - 30 Seats
9. Computer Science (Artificial Intelligence & Machine Learning) - 240 Seats
10. Computer Science & Business System - 60 Seats
11. Computer Science (Data Science) – 120 Seats

POST GRADUATE (FULL TIME) : M.TECH / MCA (2-YEAR)

1. Computer Science & Engineering (CSE) - 18 Seats
2. Electronics & Communication Engineering - 12 Seats
3. Electrical Engineering -Power Systems - 12 Seats
4. Civil Engineering - Structural Engineering - 30 Seats
5. Civil Engineering - Geotechnical Engineering -18 seats
6. Master of Computer Application (MCA) -60 seats

DIPLOMA ENGINEERING (FULL TIME / AICTE APPROVED) (3-YEAR)

1. Electronics &Telecommunications Engineering (ETCE) -30 seats
2. Civil Engineering (CE) 30 seats
3. Electrical Engineering (EE) 60 seats
4. Mechanical (ME) 60 seats

❖ Teaching Learning Process

The following Teaching –Learning: methodologies have been adopted by our institution.

- **Classroom Teaching**
- **Problem based Learning**
- **Project based Learning**
- **Laboratory / Video based demonstration**
- **Independent & Collaborating / Cooperative Learning**
- **Beyond curriculum Learning**
- **Flipped Learning**
- **Group Discussion & Presentation**
- **Expert Lecture**
- **MOOCS**
- **Industrial Visits**
- **Internships**

❖ Examination System

1. Introduction

The Department of Controller of Examination (COE) is responsible for transparent, fair and timely conduct of all examinations. The examinations conducted by the department of COE include the following.

i. Semester Examinations (Theory, Practical, Sessional)
ii. Slot Tests (Theory)
iii. Continuous Assessment (Theory, Practical, Sessional)

For semester examinations, the department of COE published notifications with start and end dates for application form fill-up and start date for each of the semester examinations. All students applied for the examinations using the following processes.

- Examination Notice and Examination schedule put up by the department of COE on NIT website.
- Online Form Fill-up by students
- Attendance approval by HOD
- Application Form Printout by student
- Online payment of examination fees through Examination portal
- Approval of students for examination by department of COE
- Admit Card download from examination portal by students
- Master Sheet for each day of Examination put up on website with separate link for each subject of examination.
- Maintain day-wise attendance sheet for all examination based on answer script submission in PDF format in subject-wise online drive links of central server.
- All evaluations of PDF answer scripts were carried out by the examiners in online mode with marks tabulation in separate protected excel sheet for each Examiner and each subject.
- Scrutiny was completely done online.
- Re-evaluation was carried out by the Head Examiners in online mode with marks tabulation in separate protected excel sheet for each Head Examiner.

Department of COE has carried out the following activities.

- Notification for Slot Tests
- Requisition for procurement of general stationery

- Submission of Budget for approval
- Request for Nomination of Paper-setters & Moderators
- Issue of Appointment letters to Paper-setters
- Issue of Appointment letters to Moderators
- Notification for Form fill-up for semester examination
- Publish detailed examination schedule in notice boards and website
- Notice for Submission of Internal Marks in online Examination portal
- Request for Nomination of Examiner and Head Examiner from Departments
- Distribution of Appointment Letter, Answer scripts and online Tabulation Sheets to Examiners
- Collection of Answer scripts and Tabulated Sheets from Examiners
- Online scrutiny of all Answer Script folders
- Make available Answer scripts, Scrutiny Reports and Tabulated Sheets to Head Examiners
- Coordinate completion of 10% Answer scripts checking by Head Examiners
- Coordination and final approval of Internal Marks from Departments
- Compile day-wise attendance sheet for all examination scheduled from the online system
- Coordination of Result Processing
- Publication of Results
- Notice for Review applications
- Collection of approved Review applications from students in prescribed format
- Allocation of Answer scripts for Re-evaluation
- Publication of Review Results

2. Examination Calendar for Session 2025-26

"Academic Calendar" contains key dates important to all student and faculty of the Institution including the start and end dates of classes, holidays, exam dates, Registration dates (for regular and repeater courses) etc. Academic Calendar for all programs was released by the office of the Principal. An academic year in the Institute comprises of two semesters, i.e. ODD and EVEN semesters.

UG Examination and Result Publication Schedule:

Semester	Date of End of Exam	Date of Declaration of Result
ODD (5TH, 7TH SEM)	23/12/2025	12/02/2026
ODD (1ST, 3RD SEM)	28/02/2026	02/04/2026
EVEN (8TH SEM)	08/06/2026	24/06/2026
EVEN (6TH SEM)	08/06/2026	07/07/2026
EVEN (2ND, 4TH SEM)	29/06/2026	15/07/2026

PG Examination and Result Publication Schedule:

Semester	Date of End of Exam	Date of Declaration of Result
ODD	23/12/2025	12/02/2026
EVEN	29/06/2026	15/07/2026

Examination Compliance Report:

Based on the Academic Calendar of the institute, the department of COE prepares the Examination Calendar. It contains the dates for all examinations and related activities such as appointments of paper-setters and moderators, question paper formatting, appointment of examiners and Head Examiners, answer script distribution and collection, Result processing & Result Publication. All examination activities complied with the schedule of examination calendar given below.

Sl. No.	Description of Activity	Odd Semester	
		Schedule	Compliance
1	Examination Committee meeting for Slot Test 1	21/08/2025	21/08/2025
2	Notification for Slot Test 1	22/08/2025	26/08/2025
3	Publication of results of Slot Test 1	10/09/2025	15/09/2025
4	Examination Committee meeting for Slot Test 2	15/10/2025	15/10/2025
5	Notification for Slot Test 2	19/10/2025	19/10/2025
6	Request for Nomination of Paper-setters & Moderators	22/10/2025	22/10/2025
7	Issue of Appointment letters to Paper-setters	15/11/2025	15/11/2025
8	Issue of Appointment letters to Moderators	19/11/2025	19/11/2025
9	Examination Committee meeting for Semester Examination	07/11/2025	07/11/2025
10	Notification for Form fill-up for semester examination for Regular & Backlog	11/11/2025	11/11/2025
11	Publication of Examination Schedule	20/11/2025	20/11/2025
12	Publication of result of Slot Test 2	24/11/2025	25/11/2025
13	Request for Nomination of Examiner and Head Examiner from Departments	28/11/2025	28/11/2025
14	Notice for Submission of Internal Marks in online portal	05/12/2025	05/12/2025
15	Examiner and Head Examiner Mapping for online system	08/12/2025	08/12/2025
16	Coordinate Completion of Result Processing	06/02/2026	06/02/2026
17	Meeting of Examination Committee to discuss the results	09/02/2026	09/02/2026
18	Publication of Results	12/02/2026	12/02/2026
19	Notice for Review applications	13/03/2026	13/03/2026
20	Coordination of Re-evaluation of Answer scripts	23/03/2026	23/03/2026
21	Publication of Review Results	27/03/2026	27/03/2026

Sl. No.	Description of Activity	Even Semester	
		Schedule	Compliance
1	Examination Committee meeting for Slot Test 1	10/02/2026	10/02/2026
2	Notification for Slot Test 1	11/02/2026	11/02/2026
3	Publication of results of Slot Test 1	05/03/2026	05/03/2026
4	Request for Nomination of Paper-setters & Moderators	18/03/2026	11/03/2026
5	Examination Committee meeting for Slot Test 2	02/04/2026	02/04/2026
6	Notification for Slot Test 2	07/04/2026	07/04/2026
7	Publication of result of Slot Test 2	29/04/2026	06/05/2026
8	Examination Committee meeting for Semester Examination	30/04/2026	30/04/2026
9	Issue of Appointment letters to Paper-setters	02/05/2026	02/05/2026
10	Notification for Form fill-up for semester examination for Regular & Backlog	06/05/2026	06/05/2026
11	Publication of Examination Schedule	08/05/2026	08/05/2026
12	Issue of Appointment letters to Moderators	13/05/2026	13/05/2026
13	Notice for Submission of Internal Marks in online portal	22/05/2026	22/05/2026
14	Request for Nomination of Examiner and Head Examiner from Departments	22/05/2026	22/05/2026
15	Submission of Examiner and Head Examiner mapping for online system	28/05/2026	28/05/2026
16	Coordinate Completion of Result Processing	19/06/2026	19/06/2026
17	Meeting of Examination Committee to discuss the results	22/06/2026	22/06/2026
18	Publication of Results	24/06/2026	24/06/2026
19	Notice for Review applications	06/07/2026	06/07/2026
20	Coordination of Re-evaluation of Answer scripts	16/07/2026	16/07/2026
21	Publication of Review Results	20/07/2026	20/07/2026

3. Examination Committee

To conduct the end semester examinations, to conduct and monitor the slot tests and to monitor the evaluation of students including continuous evaluation and internal assessment, an Examination Committee has been formed consisting of HODs of all departments and Registrar before the commencement of 2021-22 Academic Session. In addition to these members the Examination Committee has the following members.

- Controller of Examination (Convener).
- Assistant Controller of Examination
- Registrar.
- HODs of all Department

4. Question Papers for Semester Examinations

All paper-setting was made in three sets for each subject. One of the sets was prepared by internal faculty and other two sets were from external faculty. All moderation was done by external faculty in online mode. All paper-setting and moderation were done using dedicated Question Bank Management System (QBMS).

A summary of the question bank preparation has been given below.
All paper-setting for slot examination was done by internal faculty members for each subject. After notification of the slot test examination, internal faculties must submit the question papers within the stipulated time in a specific format. Then all these question papers are processed and arranged day-wise and timewise before the examination.

Summary of Question Banks / Question Papers for Session 2025-26		
Description	**ODD Semester**	**EVEN Semester**
Number of Internal Paper-setters	236	215
Number of External Paper-setters	236	215
Number of Moderators (External)	119	134
Number of Question Papers Generated	336	310
Number of slot question paper-setters	All internal Faculty	All internal Faculty

5. Conduct of the Semester Examinations

After moderation, Question Papers were kept in secure servers.

On the date of each examination, specific question paper the question papers and blank answer scripts are then distributed to invigilators of specific examination halls at the department of COE. The invigilators carried the question papers, blank answer scripts and other examination material to the examination halls. A summary of the question bank preparation has been given below.

All paper-setting for slot examination was done by internal faculty members for each subject. After notification of the slot test examination internal faculties must submit the question papers within stipulated time in specific format. Then all these question papers are processed and arranged day wise and time wise before examination.

The following examination activities were fully automated through online Examination Portal:

- Examination Form fill up by students using integrated examination portal
- Admit Card printing by students from online portal
- Internal Marks fill-up by faculty
- Semester Examination Marks fill-up by faculty
- Result Processing and Publication
- Grade Card and Provisional Certificate Printing

Three-step approval process is followed for examination form fill up by students.

Step 1 – Accounts approval for Semester Fee clearance
Step 2 – Head of the Department approval for class attendance in the semester
Step 3 – Accounts approval for Examination Fee payment

6. Evaluation and assessment

The faculties were provided online answer script, question paper with section, sub-section and number break-ups. The faculties were also provided with answer keys. Marks were awarded by the faculty for each question number only. The internal marks were directly entered online by respective faculty from the logins provided to respective departments. The tabulation and result processing were automated.

After result processing, TR sheets were sent by the external agency vide email to COE and after verification consent was given for online result publication. After online publication, semester grade cards of all students were printed at department of COE from the integrated examination portal for distribution to the students.

Evaluation of Theory Papers

60 marks for 2025 regulation

70 marks for other than 2025 regulation

All appointments for examination of answer scripts were awarded to internal faculty. The external faculty checked each answer script and entered marks awarded for each question. All evaluations were carried out by the examiners in online mode with automated tabulation facility.

Scrutiny was completely automated using the Digital Valuation System (DVS).

For distribution to Head Examiners, 10% of the answer script packets were randomly selected by the DVS and mapped to Head Examiners. All such re-evaluation was carried out by the Head Examiners in online mode with automated tabulation facility.

Internal Marks for Theory Papers

40 marks for 2025 regulation

30 marks for other than 2025 regulation

The internal marks were awarded by the internal faculty for the respective courses conducted by them as follows:

For 40 marks:	Best of two Slot Tests	: 15 marks
	Assignment/Tutorial	: 10 marks
	Project	: 10 marks
	Seminar/Presentation	: 5 marks
For 30 marks:	Average of two Slot Tests	: 15 marks
	Assignment & Quiz	: 10 marks
	Attendance	: 5 marks

All marks were entered in the Examination Portal by the subject teachers using individual login IDs of faculty. A printout of all marks entered was taken out from the faculty login and submitted to the department of COE.

Evaluation of Practical / Sessional (100 marks)

For the Semester Examination of Practicals / Sessional, external examiners were appointed.

In the semester examination of each laboratory practical course, the course teacher had assigned experiments to be conducted by groups of 4 or a smaller number of students after holding a lottery. The assessment of the student performance for experiment was done in consultation with the external examiner (40 Marks). Viva-voce was conducted in presence of the external faculty and the course teacher. The assessment of student performance in viva-voce was done by each internal faculty in consultation with the external faculty (20 marks).

The course teacher had awarded the marks for student performance in laboratory classes based on the Continuous Evaluation sheets for each student (40 Marks).

For Sessional items where the formal Institutional contact hours are not specified, (viz. Online courses, Internships, Co-curricular/Extra-curricular activities etc.), or there are no formal End-semester examination of the written kind, (viz. Comprehensive Viva-voce, Seminar, Industrial Visits, etc.), an External Expert of the relevant field was appointed. For all items under these categories, assessment of student performance in viva-voce was done by the internal faculty in consultation with the external expert (100 marks).

All marks were entered in the Examination Portal from the department using login IDs of faculty. A printout of all marks entered was taken out from the faculty login and submitted to the department of COE. A summary of evaluation for theory papers has been given below.

Summary of Evaluation of Theory Papers for Session 2025-26		
Description	**ODD Semester**	**EVEN Semester**
Number of Answer scripts	24839	23994
Number of Evaluators	286	261
Number of Head Examiners	217	193

7. Result Publication

Result Processing was automated through an internet-enabled server using software supported by an external agency. After result processing, TR sheets were sent by the external agency vide email to COE. The results from the TR sheets were verified and summarized at department of COE. Before publication of results of each semester, a meeting of the Board of Examination was conducted, and the summary of the results were discussed. After verification consent was given to the external agency for online result publication. After online publication, semester grade cards of all students were printed at the department of COE and distributed to the students.

8. Result Analysis

Department wise SGPA analysis of ODD and EVEN semester is presented here.

The average SGPA of college for the odd semester of 2023 is 7.98.

The average SGPA of college for the even semester of 2024 is 8.14.

8.1 Average Pass percentage of final year students:

Student Appeared	Student Passed	Pass Percentage
1036	1018	98.26%

9. Grievances Reported by Students

9.1 Answer Script Scrutiny by Students

Notices inviting applications for post-publication scrutiny (PPS) from students were issued within 7 days of publication of the result. Students who are not satisfied with the grades could apply for scrutiny of answer scripts of specific subjects by filling up a prescribed format and submitting the same within a time window specified in the notice. In the presence of the faculty who scrutinized the answer scripts after evaluation, students were permitted to scrutinize an answer script. The details regarding students who submitted PPS applications in the academic year 2025-26 are given below.

Description of Parameter	ODD Semester	EVEN Semester
Number of Answer Scripts involved in PPS Applications submitted by students	Nil	Nil
Number of Answer Scripts where awarded marks changed after scrutiny	Nil	Nil

9.2. Review Application and Re-evaluation

Notices inviting application for post-publication review (PPR) from students were issued within 7 days of publication of result. Students who are not satisfied with the evaluation could apply for re-evaluation by filling up a prescribed format and submitting the same within a time window specified in the notice. Since all main evaluations were done by an external faculty, the re-evaluation was assigned to an internal faculty. The details regarding students who submitted PPR applications in the academic year 2025-26 are given below.

Description of Parameter	ODD Semester	EVEN Semester
Number of Answer Scripts involved in Review Applications submitted by students	859	1043
Number of Answer Scripts where awarded marks changed after Re-evaluation	530	200 (2nd & 4th Review ongoing)

10. Automation of Examination System

The following examination activities were fully automated.

1. Examination Form fill-up by students using online portal

2. Attendance approval from HOD was introduced which is automatically approved based on their class attendance.

3. Students can submit examination fees and form online

4. Students can download the admit card from the examination portal

5. List of students appearing in examination is prepared automatically

6. Examination schedule was entered into the online system so that questions can be printed only on that day and at specified time for the transparency of examination.

7. Print day-wise attendance sheet for all examination schedules from the online system.

8. All evaluations were carried out by the examiners in online mode with automated tabulation facility.

9. Scrutiny was completely automated using the Digital Valuation System (DVS).

10. Re-evaluation was carried out by the Head Examiners in online mode with automated tabulation facility.

11. Internal marks were entered in the examination portal by the subject teacher using individual login IDs.

12. Result Publication

13. Grade Card and Provisional Certificate Printing.

Chapter 5

Faculty Empowerment and Academic Enrichment

JOURNAL PUBLICATION IN 2025-26

Department	LIST OF AUTHORS	ARTICLE TITLE	NAME OF THE JOURNAL	Publication MONTH, YEAR	INDEXING
CSE	Ushnish Pal, Sayandeep Mondal, Md Ashifuddin Mondal, Rajdip Kundu, Saikat Roy, Subhram Das, Papri Ghosh	A Hybrid CNN-LSTM Approach for Accident Tweet Classification	International Research Journal of Multidisciplinary Scope	July, 2025	SCOPUS
	Papri Ghosh, Subhram Das, Debrupa Pal, Soumyabrata Saha, Suparna Dasgupta	Efficient DNA Sequence Classification through Machine Learning Techniques	International Research Journal of Multidisciplinary Scope	July, 2025	SCOPUS
	Debrupa Pal, Papri Ghosh, Subhram Das, Bansibadan Maji	Random Variable Based Alignment-Free Approach for Protein Sequence Comparison	SN Computer Science	July, 2025	SCOPUS
	Shrayasi Datta, Chinmoy Ghosh & J. Pal Choudhury	Classification of Imbalanced data sets utilizing the synthetic minority oversampling method in conjunction with machine learning techniques	Iran Journal of Computer Science	September, 2025	SCOPUS

	Shreya Saha, Papri Ghosh, Debmitra Ghosh, Subhram Das, Md Ashifuddin Mondal, Dharmpal Singh	Performance Analysis of Traditional Distance Metrics in Protein Structural Class Prediction	International Research Journal of Multidisciplinary Scope	September, 2025	SCOPUS
	Debjani Chakraborty, Sourav Saha, and Biswajit Halder	Learning to localize image forgery using boundary-preserving mask RCNN	Journal of Forensic Sciences	October, 2025	SCIE
	Debrupa Pal, Papri Ghosh, Subhram Das, Mrinmoy Guria, Aurpan Majumder, Bansibadan Maji, Dilip Kumar Bhattacharya	A New Alignment-Free Approach to Compare Protein Secondary Structure Families through SSEs.	IEEE Transactions on Computational Biology and Bioinformatics	March, 2026	SCI
	Abhipriya Halder, Sourav Saha, Kaushik Bandyopadhyay, Sibapriya Mukherjee, Soumen Banerjee, Narayan C. Debnath	Seismic Response–Informed Explainable Ordinal Machine Learning Framework for Liquefaction Severity Prediction	International Journal of Computers and Their Applications	March, 2026	SCOPUS
	Susmita Das, Sourav Saha, Anup Kumar Mukhopadhyay, Soumen Banerjee, Narayan C. Debnath	An EEG-Driven Machine Learning Framework for Detecting Mental Calmness-Inducing Sounds	International Journal of Computers and Their Applications	June, 2026	SCOPUS
	Anirban Bhar, Sabnam Sengupta, Sankhayan Choudhury, Suchismita Maiti, Shubhendu Banerjee, Suparna Dasgupta, Soumyabrata Saha, Tanusree Saha, Amrut Ranjan Jena, Soumya Bhattacharyya	A Domain-Specific Framework for Priority-Based Modeling and Optimization of Non-Functional Requirements Beyond Binary Constraints	IEEE Access	February, 2026	SCI
	Maitraya Dey, Pushpita Roy, Shubhendu Banerjee, Amrut Ranjan Jena, Rakesh Naskar, Suparna Dasgupta, Soumyabrata Saha, Sudarshan Nath, Bikash Mondal	A Neutrosophic Machine Learning-Based Intelligent Ensemble Model for Sustainable Tea Yield Prediction Under Climatic Variability	(IJACSA)International Journal of Advanced Computer Science and Applications	April, 2026	ESCI

	Avishek Nath, Sourav Debnath, Jayita Pal, Krishna Kumar Jha, Soumyajit Roy	Evaluation of Mechanical Behaviour of Tungsten Carbide and Magnesium Reinforced Aluminium Matrix Composites	Journal of Polymer and Composites	May, 2026	WOS
	Pritam Biswas, Sourav Debnath, Avishek Nath, Soumyajit Roy, Krishna Kumar Jha	Automated Microstructure Classification with Class-Specific Segmentation for Titanium Based Composite Materials	Journal of Polymer and Composites	May, 2026	WOS
	Debrupa Pal, Papri Ghosh, Subhram Das, Ipsita Saha, Srabani Biswas and Sayani Chandra	Evaluating Next-Generation Nanobiosensors for Detecting Dangerous Biological Markers in Diseases	Journal of Nano- and Electronic Physics	January, 2026	SCOPUS
	Shamik Bardhan, Anjishnu Dey, Saanjali Mitra, Subhram Das, Papri Ghosh, Md. Ashifuddin Mondal,	Plasmonic Coupling in Silver Nanoparticle Dimers: 3D-FDTD Simulation Study of Distance-Dependent Optical Response	Journal of Nano- and Electronic Physics	June, 2026	SCOPUS
ECE	SATISHKUMAR PATNALA, ANNEMNEEDI LAKSHMANARAO, SUJAN BABU VADDE, KESHETTI SREEKALA, MOUPLAI ROY, Dr. ASMITA MANNA	ADVANCED LUNG CANCER DETECTION MODEL WITH U-NET-BASED SEGMENTATION, ARI-TFMOA FEATURE OPTIMIZATION AND MACHINE LEARNING CLASSIFICATION	Journal of Theoretical and Applied Information Technology	July, 2025	SCOPUS
	SWASTIKA CHAKRABORTY, SUMON KUMAR MONDAL, BIPASHA PAUL SHUKLA, and SAURABH DAS	Nowcasting of rain with Doppler weather radarAcomparative strategy for complex orography	J. Earth Syst. Sci., Indian Academy of Sciences	Sep, 2025	SCIE

	Pranab Hazra, Sudipta Banerjee, Kaushik Sarkar, Ashis Kumar Dhara, Tushar Kanti Bera	Utilizing Pattern Recognition Algorithm to Determine the Possible Speech Score for Alzheimer's Disease Prediction	International Journal of Biomedical Engineering and Technology	Oct., 2025	SCOPUS
	Pranab Hazra, Mainak Dey, Ashis Kumar Dhara, Tushar Kanti Bera	MULTI-SCALE ATTENTION-BASED RESIDUAL NETWORK FOR ENHANCED DETECTION AND CLASSIFICATION OF ALZHEIMER'S DISEASE USING CONVOLUTIONAL NEURAL NETWORKS	Biomedical Engineering-ABC Journal	Jan., 26	SCOPUS
	Prasanna Paithankar, Amritash Sharma, Sauradeep kar, and Shailendra Varshney	Femtosecond Laser based True Random Number Generator: Entropy-as-a-Service	Phys. Rev. Applied	Jan, 2026	SCI
EE	Rudrajit Biswas, Biswajit Halder, Pallav Dutta, Sanjini Chakraborty, Shrestha Ghosh	Sensorless Torque and Speed Metering and IoT based Remote Monitoring of a Coulomb Friction Dominated Brushed DC Motor	Procedia Computer Science, Elsevier	02-06-2026	SCI
	Dipu Mistry, Reshmi Chandra, Maitrayee Chakrabarty, Bishaljit Paul, Raju Basak & Chandan Kumar Chanda	A Real-Time Dynamic Pricing Mechanism for Peer-to-Peer Transactive Energy Trading	Journal of The Institution of Engineers (India): Series B	27 May 2026	SCOPUS
	Susovan Dutta, Bishaljit Paul, Barnali Kundu, Chandan Kumar Chanda, Kaushik Paul, Pampa Sinha, Hassan Abdurrahman Shuaibu & Taha Selim Ustun	Hybrid manta ray foraging and sine cosine algorithm for managing power transmission congestion influenced by wind energy	Scientific Reports	##########	SCI

	Dutta Susovan, Paul Bishaljit, Kundu Barnali, Chandan Kumar Chanda, Paul Kaushik	A Hybrid Zebra Optimization Sine Cosine Algorithm for Economic Operation of Power Systems Based on Optimal Power Generation to Control Congestion in Transmission Lines	Mathematics MDPI	11 June 2026	SCIE
ECS	Maitraya Dey, Pushpita Roy, Shubhendu Banerjee, Amrut Ranjan Jena, Rakesh Naskar, Suparna Dasgupta, Soumyabrata Saha, Sudarshan Nath and Bikas Mondal	A Neutrosophic Machine Learning-Based Intelligent Ensemble Model for Sustainable Tea Yield Prediction Under Climatic Variability	International Journal of Advanced Computer Science and Applications (IJACSA)	April, 2026	SCOPUS
	Susmita Das, Sourav Saha, Anup Kumar Mukhopadhyay, Ankit Kar, Soumen Banerjee, and Narayan C. Debnath	An EEG-Driven Machine Learning Framework for DetectingMental Calmness-Inducing Sounds	International Journal of Computers and Their Applications	June, 2026	SCOPUS
	Debmitra Ghosh, Dr. Dipankar Misra, Dr. Dharmpal Singh, Dr. Ashoktaru Pal, Dr. Prosenjit Mukherjee and Dr. Susmita Das	An Iot-Based Multimodal Assistive Alert System using YOLOv11 andYAMNet on Wearable Eyewear with SOS and GPS Tracking forAutistic and Hearing Impaired individuals	nternational Journal of Drug Delivery System	April, 2026	SCOPUS
	Bhanu Pratap Chaudhary, Sunil Kumar Dubey, Indrajeet Kumar, Lipika Mandal, Bikas Mondal, Bhaskar Roy, Ravi Shankar	OPTIMAL USER PAIRING STRATEGIES FOR DOWNLINK MULTIPLE-INPUT, MULTIPLE-OUTPUT−NONOR THOGONAL MULTIPLE ACCESS IN RAYLEIGH FADING CHANNELS WITH	Telecommunicat ions and Radio Engineering		

		IMPERFECT SUCCESSIVE INTERFERENCE CANCELLATION CONDITIONS			
AIML	Parthasarathi De, Samiddha Chakraborty	THREE-STREAM FEATURE-LEVEL FUSION BASED MULTIMODAL EMOTION RECOGNITION FROM VOCAL AND FACIAL EXPRESSIONS FOR HUMAN-COMPUTER INTERACTION	Iranian Journal of Science and Technology, Transactions of Electrical Engineering	December 2025	SCI
CST	S.Ghosh, S. Saha, K. Karmakar	AI Powered system to monitor - analyze the performance and feedback of students	IRJMS	July, 2025	SCOPUS
	Partha Sarathi De, Gouranga Mondal, D. Bhattacharya	Feature-based comparative evaluation of Ambhibians Iris Patterns	Computacian Systemas	April, 2026	SCOPUS
IT	ANIRBAN BHAR, SABNAM SENGUPTA AND SANKHAYAN CHOUDHURY	Aspect-Oriented Approach of Non-Functional Requirements for Embedded System-Based IoT Applications	IEEE ACCESS	July 2025	SCIE
	Sharmistha Ghosh, Soumyabrata Saha, Suparna DasGupta, Monali Sanyal, Romit Ghosh1, Soumya Bhattacharyya, Koushik Karmakar	AI Powered System to Monitor - Analyze the Performance and Feedback of Student	International Research Journal of Multidisciplinary Scope (IRJMS)	July 2025	SCOPUS

	ANIRBAN BHAR, SANKHAYAN CHOUDHURY, SABNAM SENGUPTA, SUCHISMITA MAITI, SHUBHENDU BANERJEE, SUPARNA DASGUPTA, SOUMYABRATA SAHA, TANUSREE SAHA, AMRUT RANJAN JENA, AND SOUMYA BHATTACHARYYA	A Domain-Specific Framework for Priority-Based Modeling and Optimization of Non-Functional Requirements Beyond Binary Constraints	IEEE ACCESS	February, 2026	SCOPUS
	ANIRBAN BHAR, SABNAM SENGUPTA AND SANKHAYAN CHOUDHURY	A knowledge-driven semantic framework for non-functional requirement engineering in intelligent healthcare systems	Discover Artificial Intelligence	April, 2026	SCOPUS
	ANIRBAN BHAR, SABNAM SENGUPTA AND SANKHAYAN CHOUDHURY	Dealing with Non-Functional Requirements: A Process-Oriented Approach	IEI-B	May 2026	SCOPUS
CE	Anasuya Mandal	Regression and machine learning companion analysis of strength parameterinteractions in fly ash concrete	Next Materials	June, 2026	scopus
	Abhipriya Halder	Seismic Response–Informed Explainable Ordinal Machine Learning Framework	IJCA, Vol. 33, No. 1, March 2026		Scopus
ME	Gurudas Mandal, Guojun Ma, Atul Bandyopadhyay , Sandip Kunar, Arijit Sinha, Madhumita Nath, Arghya Gupta,Sumit Chabri	Effects of Annealing Temperature on Structure and Magnetic Properties of Mechanically Alloyed Cu-Fe-Ti System	Journal of Materials Research and Technology	September, 2025	SCI

	Shantanu Datta, Sourav Majumdar, S. H. Mullick, Barnali Kundu, Sumit Chabri	Comparative Analysis of Two Hybrid MADA Models for the Selection of Process Parameters of FDM Based 3D Printing	Journal of The Institution of Engineers (India): Series C	January, 2026	SCOPUS
BSHU	Puja Supakar, Mitali Sarkar, Biswajit Sarkar	Forecasting grocery item sales using gradient boosting models: A study of GridSearchCV, RandomizedSearchCV, and optuna optimization approaches	Ain Shams Engineering Journal	February,2026	SCI
	Prasenjit Manna, Shilpi Pal, Avishek Chakraborty· Ashok Kumar Shaw	Impact of Preservation Technology and Expiry Dates on EPQ Models and Partial Backlogging in Uncertain Environment	Operation Research Forum	September, 2026	SCOPUS
	Animesh Mahata, Ashish Acharya, Nikhilesh Sil, Florentin Smarandache, Subrata Paul, Supriya Mukherjee, Manajat Ali Biswas, Banamali Roy	Dynamics of SEIR epidemic Model Utilizing Intuitionistic Fuzzy Set	OPSEARCH	February 2026	
CA	Subhasree Bhattacharjee, Kunal Das, Hanin Ardah, Abdel-Haleem Abdel-Aty, Ali Jaber Almalki	Neural Network Guided Extrapolation Technique for Quantum Variational Algorithm	Journal of Visualized Experiments	October, 2025	SCIE
	Debrupa Pal, Papri Ghosh, Subhram Das, Bansibadan Maji	Random Variable Based Alignment-Free Approach for Protein Sequence Comparison	S N Computer Science	August 2025	Scopus
	Papri Ghosh, Subhram Das, Debrupa Pal, Soumyabrata Saha, Suparna Dasgupta	Efficient DNA Sequence Classification through Machine-Learning Techniques	International Research Journal of Multidisciplinary Scope	July 2025	Scopus

	Debrupa Pal, Papri Ghosh, Subhram Das, Mrinmoy Guria, Bansibadan Maji, Aurpan Majumder, Dilip Kumar Bhattacharya ,	A New Alignment-Free Approach to Compare Protein Secondary Structure Families through SSEs	IEEE Transactions on Computational Biology and Bioinformatics	March 2025	SCI
	Debrupa Pal, Papri Ghosh , Subhram Das, Ipsita Saha, Srabani Biswas, Sayani Chandra	Evaluating Next-Generation Nanobiosensors for Detecting Dangerous Biological Markers in Diseases	Journal of Nano and Electronic Physics	April 2026	SCOPUS
BA	Dr.Sriparna Guha	Enhancing human capital productivity through self-efficacy	Heritage and Sustainable Development	July3rd,2026	SCOPUS

CONFERENCE PUBLICATION IN 2025-26

DEPARTMENT	LIST OF AUTHORS	ARTICLE TITLE	NAME OF THE CONFERENCE	Publication MONTH, YEAR	INDEXING
CSE	AVISHEK NATH,Anusuya Sanjaykumar Paul,Astha Agarwal,Riya Shaw,Rishita Saha,Sohinee Mondal	An Innovative Approach for Medicinal Leaves Identification	IEEE International Conference on Advances in Computing Research on Science Engineering and Technology (ACROSET 2025)	December , 2025	SCOPUS
	AVISHEK NATH, Ashish Kumar, Aditya Raj, Sk Arif Mondal, Shobha Kant Sahu, Ipsita Dalui, Sohinee Mondal	A Novel And Efficient Methodology for AI-ML Based Image De-hazing	IEEE International Conference on Advances in Computing Research on Science Engineering and Technology (ACROSET 2025)	December , 2025	SCOPUS

	Ayon Pal, Sanat Mandal and Anukul Maity	Brain Tumor Segmentation using MRI Images	International Conference on Sustainable Technology in Energy and Power Systems (STEPCon2025)	February, 2026	SCOPUS
	Ritwika Mukherjee, Shilpa Roy, Kushal Mondal, Swastik Nayek, Anish Halder, Tathagata Chatterjee	Transfer Learning-based Deep Feature Extraction with XGBoost and xAI for Melanoma Detection	4th IEEE International conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI)	April, 2026	SCOPUS
	Anukul Maity;Bingshati Mondal;Rahul Kundu;Subham Bhuin;Rahul Hansda;Sourav Adak;Rahin Bairagi	IoT-Based Surveillance System: An Enhanced Security Application	International Conference On Signal Analysis For Smart Systems (IEEE SIGNASS 2025)	Published	SCOPUS
	Avijit Bhadra, Saptarshi Rajan Mandal, Omshri Deb Nath, Suhaila Bhattacharya, Sohinee Mondal, Ritama Sharma	A Review of Intelligence Aerial Technologies for Next Generation Avalanche Search and Rescue	2nd International Conference on Emerging Trends in Electronic Devices and Computational Techniques (EDCT2025)	May, 2026	SCOPUS
	Ritwika Mukherjee, Md Ashifuddin Mondal, Arnanil Mitra, Arko Pal, Sankhyayan Dey, Sourayan Sur	SMOTE-Enhanced Random Forest Classifier with Bayesian Optimization for Lung Cancer Prediction	International Conference On Signal Analysis For Smart Systems	April, 2026	SCOPUS
	Nilakash Mukherjee, Manab Debnath, Rajdeep Roy, Subhadeep Santra, Tanmoy Ghosh, Dishani Roy	An Innovative Machine Learning Approach for Liver Histopathology Detection Attention-Aided Ensemble Method	CICBA2025	May, 2026	SCOPUS

	Mukesh kumar, Sankalp Pandey, Shreya Bania, Pratham Khandelwal, Dishani Roy, Tanmoy Ghosh	Integrative Machine Learning for Early Diagnosis and Prognosis of Cystic	SSITCON-2025	January, 2026	SCOPUS
	Jayita Dey, Sneha Acharjee, Soura Pratim Roy, Prasun Pan, Tanmoy Ghosh, Dishani Roy	Machine Learning Frameworks for Prognosis and Detection of Lung Cancer: Combining Deep Learning, Genomics, and Radiomics	SSITCON-2025	January, 2026	SCOPUS
	Sayan Ghosh, Uditanshu Das, Samirup Karmakar, Manish Kumar Jha, Dishani Roy, Tanmoy Ghosh	CardioXBoost: An Extreme Gradient Boosting Approach for Early Detection of Heart Disease	EDCT2025	May, 2026	SCOPUS
	Aranya Jana, Arindam Sahoo, Abir Nath, Debonil Sarkar, Tanmoy Ghosh, Dishani Roy	Deep Learning with a Human Touch: Detecting Cyberbullying Through Empathy-Informed Models	SSWC2025	Jun-26	SCOPUS
	Kanishka Kumar Shaw, Rohini Nandi, Debaleena Nandy, Debopratim Biswas, Md Ashifuddin Mondal, Subhram Das, Papri Ghosh	Interpretable Weighted Averaging Ensemble Model for Chronic Kidney Disease Detection	International Conference on Sustainable Technology in Energy and Power Systems, IEEE, 2025	April 2026	SCOPUS
	Isan Agniswar Banerjee, Aritra Rana, Shreya Roy, Koyena Paul, Md. Ashifuddin Mondal, Subhram Das, Papri Ghosh	Hybrid Deep Learning based Architecture for Cattle Disease Classification	International Conference on Sustainable Technology in Energy and Power Systems, IEEE, 2025	7 April, 2026	SCOPUS

	Bibhasan Podder, Anurag Das, Soura Bose, Sattwik Sarkar, IPSITA DALUI, Sohinee Mondal	GANHSS: A Generative Adversarial Network-Based Hospital Staff Scheduler	2025 IEEE Bangalore Chapter, 17th International Conference on Electronics, Computing and Communication Technologies (CONECCT)	Jan, 2026	SCOPUS
	Suman Pandit, Bingshati Mondal, Swarnali Daw, Anukul Maity	Early Prediction of Heart Disease Enhanced using Machine Learning Algorithms	IEEE Pune Section International Conference (IEEE PuneCon 2025)	February 2026	SCOPUS
	Chandrima Chakrabarti, Bingshati Mondal, Krishnendu Roy,Disha Basu, Rakesh Ghosh, Swapnendu Kolay	Drone-Enabled Lift Zone Surveillance and Hazard Detection	IEEE STEPCON2025	April, 2026	SCOPUS
	Bingshati Mondal, Ritwika Mukherjee, Sekh Aship, Sanjida Khatun, Mukesh Kumar, Priyanshu Kumar	CNN-Powered Brain Tumor Classification and Detection Using MRI based on Deep Learning Methods	International Conference On Signal Analysis For Smart Systems (SIGNASS 2026)	April, 2026	SCOPUS
	Bingshati Mondal, Chandrima Chakrabarti, Nabanita Das, Anurag Manna, Adarsha Karfa, Samprit Mondal, Saptadi Sasmal	New Route Approach Towards Disaster Management Using Delay Tolerant Network	International Conference On Signal Analysis For Smart Systems (SIGNASS 2026)	April, 2026	SCOPUS
	Debrupa Pal, Nirmalya Bose and Anukul Maity	The Use of Interpretable AI Models in Breast Cancer Risk and Detection: A Scoping Review Approach	International Conference on Power, Instrumentation, Control and Computing (PICC 2025)	December 2025	SCOPUS

	Srijita Bandopadhyay, Ritwika Mukherjee, Neepa Biswas, Suchismita Maiti, Soumen Banerjee	Machine Learning-aided Classification of Edible Berries in Organic Agri-food Industries	2nd International Conference on Circuits, Power, and Intelligent Systems (CCPIS2025)	Novembe r, 2025	SCOPUS
	Arpan Biswas; Aastha Chhetri; Bivek Samanta; Subham Kumar; Subhram Das; Papri Ghosh, Md. Ashifuddin Mondal.	Data Driven Fish Cultivation Recommendation Based on Aquatic Parameters with Neural Network	International Conference on Computing Technologies (ICOCT) 2025	August, 2025	SCOPUS
	Saikat Kundu; Akas Bera; Suman Kumar Neogi; Niraj Jaiswal; Papri Ghosh; Subhram Das; Md. Ashifuddin Mondal	Convolutional Neural Networks for Robust Deepfake Detection in Digital Photography	International Conference on Computing Technologies (ICOCT) 2025	August, 2025	SCOPUS
	Anubhab Biswas, Anik Maity, Biprendu Poddar, Kunal Mondal, Swarnali Daw and Prianka Dey,	A Comparative Prediction of Dropouts of Students from Massive Open Online Courses Using Machine Learning Algorithms	International Conference on Emerging Trends in Industry 4.0 Technologies (ICETI4T)	August, 2025	SCOPUS
	Shubhendu Banerjee, Pushpita Roy, Soumalya Roy, Rupsha Singha Ray, Panchatapa Mondal, Saptarshi Halder	Transfer Learning Techniques for Detecting Emotions in Text	Third International Conference on Networks, Multimedia and Information Technology (NMITCON 2025), IEEE	October, 2025	SCOPUS
	Mrinmoy Guria, Debrupa Pal, Soumyadipta Seal, Sourasish Bag, Krishna Pranab Chatterjee, Avirup Biswas	Predictive Techniques in Machine Learning for Heart Disease	2025 International Conference on Computing, Intelligence, and Application (CIACON)	October,1	SCOPUS

	Md Ashifuddin Mondal, Ritwika Mukherjee, Pranta Saha, Arijit Mondal, Pratik Dutta, Ayan Chel	An Ensemble Approach to Stock Price Prediction: LSTM and Random Forest Integration	2nd-International Conference on Integration of Computational Intelligent System	February, 2026	SCOPUS
	Ayishi Manna, Rajdeep Kar, Rounak Kolay, Sayan Karmakar, Subhram Das, Papri Ghosh, Md. Ashifuddin Mondal	Scalable Solar Energy Prediction Using Machine Learning for Off-Grid Areas	International Conference on Computational Intelligence and Information Retrieval (CIIR 2025), Springer	January, 2026	SCOPUS
	Anwesha Biswas, Neha Majee, Prince Kumar, Sagar Ghorai, Subhram Das, Papri Ghosh, Md. Ashifuddin Mondal	Revolutionizing Accessibility: A Machine Learning Approach to Braille Conversion	International Conference on Computational Intelligence and Information Retrieval (CIIR 2025), Springer	2 January, 2026	SCOPUS
	Rishav Bairagya, Souma Das, Soham Hait, Sarthak Dutta, Soupayan Ghosh, Tripti Kumari, Tanmoy Ghosh, Sagarika Chowdhury, Pushpita Roy	A Review on Analysis for Responsive Intentional Assessment	ISACS2024	Novembe r, 2025	SCOPUS
	Satadru Naskar, Rohit Raha, Parthib Mondal, Promit Paul, Tanmoy Ghosh, Dishani Roy, Sagarika Chowdhury	The Function of Ensemble Methods for ISA-based disease detection	CIIR2025	January, 2026	SCOPUS
	Abhradip Mandal, Atanu Ghosh, Aman Kumar, Srijan Samanta, Dishani Roy, Tanmoy Ghosh, Papri Ghosh	Transforming Huntington's Disease Research with Machine Learning and Deep Learning Techniques	CIIR2025	January, 2026	SCOPUS
	Anukul Maity, Ritwika Mukherjee, Aditya Naha, Abir Mallick, Dipankar Hira, and Moupiya Ghosh	Finding Segmentation of Orthogonal Polyhedron using 3D Straight Skeleton	International Conference On Signal Analysis For Smart Systems (IEEE SIGNASS 2025)	April, 2026	SCOPUS

	Dip Bhattacharyya, Tanmoy Chanda, Nabanita Das, Tahamina Yesmin, Soma Chatterjee	A Real-time Smart Home Security System for Alert-based Intrusion Detection using YOLO and FaceNet	6th International Conference on Emerging Systems and Intelligent Computing (ESIC)	May, 2026	SCOPUS
	Madhumita Das , Hriteeka Singh, Mitali Das, Arghasree Palit, Sohinee Mondal, Avishek Nath, Debjani Chakraborty	Deep Transfer Learning for Detecting Drowsiness in Drivers: Addressing Eye-Metrics and Real-Time Misclassification Challenges	SIGNASS2026	April, 2026	SCOPUS
	Suprabhat Adhikari, Sarthakpatra, Shawrish, Shweta Maurya, Tathagata Chatterjee, Jayita Pal	Conversational AI in Medicine: Exploring the Role of Chatbots in Modern Healthcare	7th International Cconference on Computational Intelligence and Networks	May 2026	SCOPUS
	Ramkrishna Giri, Nabanita Das, Monu Bhagat, Priyanka Das, Soma Chatterjee, Tahamina Yesmin	Federated Learning Integrated Vision Transformer-based Framework for Breast Cancer Detection	CINE 2026	May 2026	SCOPUS
	Gopal Dutta, Deepta Roy, Susovan Das, Kausik Naskar, Neepan Biswas, Md Ashifuddin Mondal, Subhram Das, Papri Ghosh	Deep Convolutional Neural Networks for Accurate Crop Disease Classification	International Conference on Computational Intelligence, Data Science and Cloud Computing IEM-ICDC 2025	October, 2025	SCOPUS
	Gopal Dutta, Deepta Roy, Kaushik Naskar, Neepan Biswas, Md Ashifuddin Mondal, Subhram Das, Papri Ghosh	Vision Transformer-Based Explainable Framework for Automated Lung Cancer Identification	SIGNASS 2026	February. 2026	SCOPUS

	Priyevart Kumar, Divyansh Sinha, Divyanshu Sharma, Krishan Kumar, SOHINEE MONDAL, Avishek Nath, Pritusna Banik	Optimizing Apple cultivation in West Bengal using machine learning	7th International Conference on Energy, Power and Environment (ICEPE 2025)	September, 2025	SCOPUS
	Sayan Ghosh, Samarpan Basu, Soumili Biswas, Ankan Mondal, SOHINEE MONDAL, Ipsita Dalui	Mapping the Spatial Distribution and Hotspots of Child Abuse in West Bengal Using Kernel Density Estimation	Third International Conference on Augmented Intelligence and Sustainable Systems ICAISS-2025	August14, 2025	SCOPUS
	Kanishka Kumar Shaw, Rohini Nandi, Debaleena Nandy, Debopratim Biswas, AVISHEK NATH, Ipsita Dalui, Debjani Chakraborty	Benchmarking BERT and DistilBERT for Text-Based Fake News Classification Tasks	SIGNASS 2026	February. 2026	SCOPUS
	Anirban Dutta, Tusan Haque, Sanjana Saha, IPSITA DALUI, Debjani Chakraborty, Sohinee Mondal	Rank-Driven Route Guidance for Electric Vehicles: A Smart Charging Station Selection Model for Urban Roads	SIGNASS 2026	February. 2026	SCOPUS
	Mayank Keshri, Aveek Panda, Soumik Mitra, IPSITA DALUI, Avishek Nath, Debjani Chakraborty	Risk Adjusted Irrigation Decision(RAID): A Pest-Aware Smart Irrigation System Enabled by Federated Learning	SIGNASS 2026	February. 2026	SCOPUS
	Arpan Kumar Shill, Pushpita Roy, Shubhendu Banerjee, Shounak Sinha, Shreyashi Saha, Rishiraj Chakraborty, Debjit Mondal, Mouli Das	Weighted Ensemble Classification for Misinformation Detection using Optimized TF-IDF Features on a Large-Scale News Dataset	STEPCon 2026	April, 2026	SCOPUS

	Mayuri Chakrabarty, Aritra Bandyopadhyay, Shubhendu Banerjee, Roushik Manna, Sourav Nandi, Tiyasha Saha, Pramit Kanti Saha	Sustainable Hybrid Book Recommendation System Using Truncated SVD and DeepFM with Semantic Relationship Integration via DistilBERT Embeddings	STEPCon 2026	April, 2026	SCOPUS
	Tisha Gupta, Prushottam Verma, Ravi Pandey, Ankit Gupta, Tanmoy Ghosh, Dishani Roy, Pushpita Roy	Number Plate Recognition System: An Overview of Approaches, Difficulties, and Opportunities	ICSMS 2026	April, 2026	SCOPUS
	Swarnali Daw, Bingshati Mondal, Devadeepa Chakraborty, Suparna Paul, Ishika Halder, Bidyajani Maji	Comparative Performance Analysis of Machine Learning, Deep Learning, and Ensemble Models for Diabetes Prediction	2026 1st International Conference on Emerging Trends in Advancements and Applications of Computational Intelligence Techniques (ETAACT), Bhubaneswar, India	June, 2026	SCOPUS
	Swarnali Daw, Prianka Dey, Arijit Roy, Harshit Prakash Srivastava, Aayush Sinha, Aditya Kumar.	A Deep Learning Approach for Facial Emotion Detection and Classification .	2026 Eight International Conference on Computational Intelligence and Communication Technologies (CCICT),	June, 2026	SCOPUS

	Aniket Bose Roy, Ipsita Dalui, Debjani Chakraborty, Sourav Saha	IrrigoSense: An IoT-Enabled Smart Irrigation Architecture With Explainable Machine Learning	2026 Eight IEEE International Conference on Computational Intelligence and Communication Technologies (CCICT)	June, 2026	SCOPUS
	Subhodeep Halder, Piyush Kumar Yadav, Alekhya Dey, Barun Shaw; Jayita Pal, Tathagata Chatterjee	From Equations to Intelligence: The Rise of AI-Based Weather Forecasting	Eight International Conference on Computational Intelligence and Communication Technologies (CCICT), 2026	June, 2026	SCOPUS
	.Shubhendu Banerjee, Pushpita Roy, Soumalya Roy, Rupsha Singha Ray, Panchatapa Mondal, Saptarshi Halder	Transfer Learning Techniques for Detecting Emotions in Text	Third International Conference on Networks, Multimedia and Information Technology (NMITCON 2025), IEEE	October, 2025	SCOPUS
	Deblina Goswami, Tanushka Das, Parthasarathi De, Pushpita Roy	Decoding Minds Through Handwriting — Multi- Modal Handwriting Analysis to Detect Anxiety and Depression	International Conference on Signal Analysis for Smart Systems (SIGNASS), 2026	April, 2026	SCOPUS
	Ritika Dhar; Aritra Bandyopadhyay; Shilpi Pal; Divyaansi Singh; Ankesh Samanta; Samrat Talukdar, Shubhendu Banerjee	OPTICS-Fuzzy Intuitionistic Modeling for Robust Image Denoising	SIGNASS 2026	April, 2026	SCOPUS
ECE	Samrat Kumar Das, Souvik Jana, Tamal Manna, Souradeep Ghosh, Abhijit Dey, Subrata Mazumder, and Dipankar Saha	Assessing the Effectiveness of a Temperature Sensor for Detection and Identification of a Faulty LED Strip Panel	IEEE 6th INDISCON, NIT Rourkela, 2025	Aug., 2025	SCOPUS

	Tritha Chatterjee, Rajkumar Banerjee, and Swastika Chakraborty	Dirunal Relationship Between Precipitation and Volumetric Soil Water in Agartala, India	NITCON 2025	Jan., 2026	SCOPUS
	Amit Nigam, Sangita Roy, Abhirup De, Sraman Chatterjee	An Adaptive FSM-Discrete Logic Framework for Cost-Effective Smart Traffic Signal Control with IOT and V2I Integration	IEEE Signass 2026	April, 2026	SCOPUS
	Arpita Santra, Maitreyi Ray Kanjilal, Moumita Mukherjee, Puja Paul	Design and Simulation of Terahertz Antennas for Biomedical Sensing: A Comprehensive Performance Analysis	IEEE Signass 2026	April, 2026	SCOPUS
	Abhijit Ghosh, Aurpan Majumder, Bansibadan Maji, Anilesh Dey, Indranath Sarkar, Md Mirja Galib	Designed Enhance Dual Band Micro Strip Antenna for Telephony System	IEEE Signass 2026	April, 2026	SCOPUS
	Anurima Majumdar, Antara Ghosal, Suparna Biswas, Moupali Roy, Arpita Santra, Swati Barui	A Novel Butterfly Slotted CMPA with Peripheral Ring Slot for 5G Sub-6 and ISM Band Applications	IEEE Signass 2026	April, 2026	SCOPUS
	Tushar Kanti Bera; Hiranmoy Mandal; Pranab Hazra; Loghnath Sundar; Nur E Hejab; Riyaj Hossain	Modelling and Simulation of Floating Load Constant Current Source for Electrical Impedance Measurement Methods	SIGNASS 2026	Aprl., 2026	SCOPUS

EE	Sujoy Bhowmik, Prantik Datta, Suryendu Dasgupta, Arkendu Mitra	Design and Performance Analysis of LCL Filter-based Three-phase Stand-alone Inverter with Induction Motor Drive	2025 IEEE 2nd International Conference on Green Industrial Electronics and Sustainable Technologies (GIEST)	Aprl., 2026	SCOPUS
	Arkendu Mitra, Sumana Chowdhuri	Control and Performance Analysis of a Three-Phase PWM Converter as Active Rectifier and STATCOM	2025 IEEE 2nd International Conference on Green Industrial Electronics and Sustainable Technologies (GIEST)	Aprl., 2026	SCOPUS
	Sayantan Chowdhury, Sujoy Bhowmik, Arkendu Mitra, Amritesh Kumar, Chayan Bhattacharjee	Analysis and Control of Multi-Input Zeta Converter fed from Renewable Sources for Grid-Tied Inverters	IEEE International Conference on Sustainable Technology in Energy and Power Systems (STEPCon2025)	Aprl., 2026	SCOPUS
	Ambarnath Banerji, Sudhangshu Sarkar, Bansari Deb Majumder, Subimal Roy Barman, Akash Banerjee, Trisha Samanta, Subhamoy Dey, Debabrata Bhaumik, Rekha Singha, Susmita Adhikary, Tirthankar Datta, Epsita Das	A Community Microgrid Aggregation for Optimal Use of Renewable Resources	IEEE International Conference on Sustainable Technology in Energy and Power Systems (STEPCon2025)	Aprl., 2026	SCOPUS
	Sarbani Ganguly,Dhananjay Kr. Tripathi,Kamalika Banerjee,Sreyasree Basu,,Indrajit Bhattacharjee,Mainak Debnath	Sustainable Hydrogen Through Biological Systems: Current Trends in Production and Storage Solutions	IEEE International Conference on Sustainable Technology in Energy and Power Systems (STEPCon2025)	Aprl., 2026	SCOPUS

	Arindam Hazra, Bishaljit Paul, Sushovan Dutta	From Carbon to concrete Smart, Advancing Green Affordable Housing in India.	2025 International Conference on Sustainable Technology in Energy and Power Systems (STEPCon2025)	Aprl., 2026	SCOPUS
	Bishaljit Paul	Deploying Public EV Charging Infrastructure in the Global South: Comparative Insights on Barriers, Enablers, & Strategic Pathways	2025 International Conference on Sustainable Technology in Energy and Power Systems (STEPCon2025)	Aprl., 2026	SCOPUS
	Dipu Mistry, Maitree Chakrabarty, Bishaljit Paul, Arunava Kabiraj	Integrating Power Market through Balancing and Price Determination	2025 International Conference on Sustainable Technology in Energy and Power Systems (STEPCon2025)	Aprl., 2026	SCOPUS
	Arijit Kumar Barik,Sudipta Banerjee,Heranmoy Maity,Maitrayee Chakrabarty,Gourisankar Roymahapatra,Himadri Sekhar Das	Modeling and Simulation of an Efficient LeadFreePerovskite Solar Cell with an Al-doped ZnOWindow Layer Using SCAPS-1D	2025 International Conference on Sustainable Technology in Energy and Power Systems (STEPCon2025)	Aprl., 2026	SCOPUS
	Bishaljit Paul	An efficient ratio based technique for earth fault detection	IEEE, Techno University	Aprl., 2026	SCOPUS
	Suparna Pal; Alok Kumar Shrivastav; Maitrayee Chakrabarty; Sudipta Banerjee; Himadri Sekhar Das; Heranmoy Maity	A Novel Approach to Identification and Detection of Power Theft in a Real-Time Power System Network for Sustainable Development of Power Grid	2025 2nd International Conference on Integration of Computational Intelligent System (ICICIS)	Aprl., 2026	SCOPUS

	Abir Das; Bansari Deb Majumder; Moumita Ghosh; Tanmay Sinha Roy; Joyanta Kumar Roy	Design of Fuzzy based Linearizer to eliminate the effect of Swelling and Shrinkage for accurate level measurement in Industrial Boiler	2025 International Conference on Sustainable Technology in Energy and Power Systems (STEPCon2025)	Aprl., 2026	SCOPUS
	Abir Das;Tanmay Sinha Roy;Bansari Deb Majumder;Moumita Ghosh	Advancing Diagnostic Depth: ResNet Framework for Early Alzheimer's Disease Identification	2025 2nd International Conference on Emerging Trends in Electronic Devices and Computational Techniques (EDCT)	Aprl., 2026	SCOPUS
	Moumita Ghosh; Tanmay Sinha Roy; Bansari Deb Majumder; Abir Das	Comparison Study of Computational Intelligence for Early Heart Disease Diagnosis Using Deep Learning Models	2025 2nd International Conference on Emerging Trends in Electronic Devices and Computational Techniques (EDCT)	Aprl., 2026	SCOPUS
	Ambarnath Banerji; Abir Das; Ranadip Pal; Debabrata Bhaumik; Srijan Saha; Sufal Dhar; Souvik Das; Ankur Mondal; Trisha Samanta; Akash Banerjee; Kamalika Banerjee; Subimal Roy Barman; Sudhangshu Sarkar; Bansari Deb Majumder; Sujit K. Biswas	BIPV Based Community Microgrid Aggregation for Net Zero Energy Building	2025 IEEE North-East India International Energy Conversion Conference and Exhibition (NE-IECCE)	Aprl., 2026	SCOPUS

	Sabyasachi Mukherjee, Bhaskar Roy, Shatabdi Mondal, Annesha Dubey, Bikas Mondal. Pallav Dutta	Brain MRI Image Segmentation and Neurological Disease Diagnosis Using Deep Learning Model	2026 International Conference on Signal Analysis for Smart Systems (SIGNASS) | 979-8-3315-6974-7/26/$31.00 ©2026 IEEE | DOI: 10.1109/SIGNASS67826.2026.11479903	Aprl., 2026	SCOPUS
	Bishaljit Paul	An Efficient Ratio Difference–Based Technique for Earth Fault Identification	2026 International Conference on Computing, Electronics & Communications Engineering (ICCECE)	Aprl., 2026	SCOPUS
	Pallav Dutta ; Rupa Bhattacharya ; Aparjita Paul ; Anilesh Dey ; Aurpan Majumder ; Banshibadan Maji	Neurophysiological Assessment of Human Stress Levels viaElectroencephalographic Signal Analysis in Reaction to Musical Stimuli	2025 International Conference on Sustainable Technology in Energy and Power Systems (STEPCon2025)	Aprl., 2026	SCOPUS
ECS	Vivekananda Mukherjee, Sandip Roy, Ayushi Chakraborty, Bikas Mondal, Bikash Sadhukhan, Manabendra Maiti	Smart Forecasting of Millimeterwave Window Frequency in Tropical Africa Using Machine Learning	IEEE, SIGNASS 2026	Aprl., 2026	SCOPUS
	Himanshu, Lalit Kumar Dabi, Bikas Mondal, Rupam Das, Ruchita Gupta, Manoj Kumar	Low-Power Shadow Filter Implementation with Electronically Tunable Current Feedback Operational Amplifiers Based Design for RF Front-End Applications	IEEE, SIGNASS 2026	Aprl., 2026	SCOPUS

	B. Nikhileshwar Reddy; Ruchita Gupta; Bhawna Aggarwal; Umer Ashraf; Manoj Kumar; Bikas Mondal	Low-Voltage and Low-Power Grounded Active Inductor Using DTMOS-Based MOS-C Technique	IEEE, SIGNASS 2026	Aprl., 2026	SCOPUS
	Soumyadeep Das; Kommisetti Murthy Raju; Bhaskar Roy; Bikas Mondal; Warisa Nusrat; Sanghamitra Layek	Enhancing Efficiency through Propagation-Aware Adaptive Spectrum Analysis for Next-Generation Wireless Networks	IEEE, SIGNASS 2026	Aprl., 2026	SCOPUS
	Sabyasachi Mukherjee; Shatabdi Mondal; Bhaskar Roy; Annesha Dubey; Bikas Mondal, Pallav Dutta	Brain MRI Image Segmentation and Neurological Disease Diagnosis Using Deep Learning Model	IEEE, SIGNASS 2026	Aprl., 2026	SCOPUS
	Sambit Sundar Mondal; Debasis Chakraborty; Sheuli Chakraborty; Sumanta Karmakar; Bikas Mondal; Sanghamitra Layek	Semisupervised Pixel Classification with Cluster-Based SVMs	IEEE, SIGNASS 2026	Aprl., 2026	SCOPUS
	Sambit Mondal; Biplab Kumar Mondal; Khushi Banerjee; Bikas Mondal; Sujata Kundu, Sudip Das, Anirban Kundu	Proactive Handoff Mechanisms in 6G Mobile Networks: AIDriven Innovations for Seamless Mobility	IEEE, SIGNASS 2026	Aprl., 2026	SCOPUS
AIML	Rishav Bairagya, Sagarika Chowdhury, Tathagata Chatterjee, Arpan Das, and Prianka Dey	Integrating Explainable AI in Smart Farming for Transparent Crop Recommendation and Market Analysis	ACROSET-2025	Dec, 2025	SCOPUS

	Soham Hait, Souma Das, Soupayan Ghosh, Anusree Bag, Tathagata Chatterjee, Sagarika Chowdhury	Sign Language to Spoken Language Translation: A Comprehensive Survey of Models and Techniques	SSITCON 2025 2nd International Conference on Software, Systems and Information Technology	22nd Jan, 2026	SCOPUS
	Mainak Chatterjee, Sagarika Chowdhury, Arunava Banerjee, Sachin Sen & Manik Khan	Identification Techniques of the Initial Phase of Alzheimer's Disease Built on Machine Learning Methods	International Conference on Web 6.0 and Industry 6.0	Jan, 2026	SCOPUS
	Rishav Bairagya, Souma Das, Soham Hait, Sarthak Dutta, Soupayan Ghosh, Tripti Kumari, Tanmoy Ghosh, Sagarika Chowdhury, Pushpita Roy	A review on analysis for responsive intentional assessment	ISACS 2024	Nov, 2025	SCOPUS
	Pritam Baidya, Aniruddha Sen, Atanu Majumdar, Shwon Ghosh, Prianka Dey, Sagarika Chowdhury, Swarnali Daw, Ratul Chowdhury	Face Recognition Lock System in Lift Using IoT	CICBA-2025	21st May, 2026	SCOPUS
	Subham Dubey, Deba Ghosh, Akash Dey, Sreerupa Banik, Sagarika Chowdhury, and Prianka Dey	Enhancing Disease Prediction using Advanced Machine Learning Algorithms	CICBA-2025	April, 2026	SCOPUS
	Shreya Mitra, Piuli Saha, Srinjoy Mitra, Akash Maity, Sagarika Chowdhury, and Tathagata Chatterjee	Fraud Unmasked: Leveraging Explainable AI for Transparent Detection Systems	EDCT-2025	May, 2026	SCOPUS
	Anuska Mridha, Sannidhi Maity, Aaditya Kumar Aagarwal, Devansh Shrivastwa, Tathagata Chatterjee, and Sagarika Chowdhury	Financial Time Series Prediction with Hybrid Deep Learning Models	EDCT-2025	May, 2026	SCOPUS

	Lekhan Roy (L), Niladri Kandar, Ritam Karmakar, Soham Ghosh, Sagarika Chowdhury	Real Time Depression Prediction Using Machine Learning	IESIA 2025	1st April, 2026	SCOPUS
	Mukesh kumar, Sankalp Pandey, Shreya Bania, Pratham Khandelwal, Dishani Roy, Tanmoy Ghosh	Integrative Machine Learning for Early Diagnosis and Prognosis of Cystic	SSITCON-2025	JANUARY , 2026	SCOPUS
	Jayita Dey, Sneha Acharjee, Soura Pratim Roy, Prasun Pan, Tanmoy Ghosh, Dishani Roy	Survey on Multimodal Approaches for Lung Cancer Prediction From Radiomics to Genomicsaper	SSITCON-2025	JANUARY , 2026	SCOPUS
	Parthasarathi De.Deblina Goswami	PoliPulse - Capturing the Pulse of Political Sentiment	EDCT2025	May, 2026	SCOPUS
	Tanushree Brajabasi, Kishalay Bairagi, Gopal Pramanik, Subhrotosh Chakraborty, MD Ariyan, Arkanil Karchaudhuri	A Comprehensive Review of Reinforcement Learning Approaches for Automated Rubik's Cube Solving	SIGNASS2026	April,2026	SCOPUS
	Parthasarathi De,Pushpita Roy,Tanushka Das,Deblina Goswami	Decoding Minds Through Handwriting – Multi-Modal Handwriting Analysis to Detect Anxiety and Depression	SIGNASS2026	April,2026	SCOPUS
	Parthasarathi De,Sagarika Chowdhury,Swastik Biswas,Debasmita Basak,Sreyanshi Das	Real-Time Driver Drowsiness Detection System Using Eye and Mouth Aspect Ratios	SIGNASS2026	April,2026	SCOPUS
	Sailaswar Mahanta, Anirban Guha Roy, Soumyadip Mohanta, Pintu Mondal, Tathagata Chatterjee,	Transforming Agricultural Disease Surveillance through ML–IoT Systems	CCIC-2026	April, 2026	SCOPUS

	and Ritwika Mukherjee	Empowered by xAI Interpretability			
	Suprabhat Adhikari, Sarthak Patra, Rishab Shaw, Shweta Maurya, Tathagata Chatterjee, and Jayita Pal	Conversational AI in Medicine: Exploring the Role of Chatbots in Modern Healthcare	CINE-2026	June, 2026	SCOPUS
	Ritwika Mukherjee, Shilpa Roy, Kushal Mondal, Swastik Nayek, Anish Halder, and Tathagata Chatterjee	Transfer Learning-based Deep Feature Extraction with XGBoost and xAI for Melanoma Detection	IATMSI-2026	April, 2026	SCOPUS
	Debajyoti Das, Sayandeep Paria, Shreya Ghosh, Anurag Singh, Jayita Pal & Tathagata Chatterjee	Edge AI-Powered Real-Time Arrhythmia Detection: Ad-Vancements and Future Directions	Intelligent Electrical Systems and Industrial Automation	April, 2026	SCOPUS
CST	Karobi Sarkar, Krishnendu Sarkar, Soumik Mondal, Souvik Basu, Koustabh Nag, Asit Kumar Das	Deep Convolutional LSTM based Predictive Model for Spatiotemporal Forecasting of Soil Moisture over the Indo-Gangetic Plains	International Conference on Advancement of Intelligent Computing in Data Analysis and Knowledge Discovery (AICDAKD 2025)	December ,2025	SCOPUS
	Karobi Sarkar, Kundan Raj Singh, Roshni Kumari, Rahul Kumar , Vishal Kumar Dangi	Deep Learning–Enabled (UAV)s System for Automated Structural Damage Detection	International Conference on Advancement of Intelligent Computing in Data Analysis and Knowledge Discovery (AICDAKD 2025)	December ,2025	SCOPUS

	Pritusna Banik Ritama Sharma, Siddharth Karn, Sajili Chatterjee	Empowering Healthcare: Machine Learning for Precise Heart Disease Detection	SIGNASS 2025	Novembe r, 2025	SCOPUS
	Pritusna Banik Soham Das, Snehajyoti Maity, Bikram Koley, Sayan Bera	Deep Learning for Sustainable Agriculture: Early Detection of Potato Leaf Diseases	SIGNASS 2025	Novembe r, 20 25	SCOPUS
	Koushik Karmakar, Rupa Saha, Sayantan Pramanik, Suparna Biswas	Challenges and applications in Sensor-Based Human Activity Recognition for Real-Time Health Monitoring	ICDEC 2025	December , 2025	SCOPUS
	S.Ghosh, S. Saha, K. Karmakar	Encryption based framework for secure web development	ICONFEST 2025, Kalyani	Septembe r,2025	SCOPUS
	Priyevart Kumar, Divyansh Sinha, Divyanshu Sharma, Krishan Kumar, SOHINEE MONDAL, Avishek Nath, Pritusna Banik	Optimizing Apple cultivation in West Bengal using machine learning	ICEPE 2025	March, 2025	SCOPUS
	Souvik Kumar Baguli, Ranita Ghanta, Ankit Chakladar, Koushik Karmakar, Rupa Saha	ML-Powered System to Detect and Recognize Multiple Faces for Automated Attendance	HUMAN2026	January, 2026	SCOPUS
	Koushik Karmakar, Soumalya Das, Sneha Chakraborty, Medha Roy, Atanu Mardanya, Rupa Saha	Automated Opinion Classification for E-commerce Product Reviews	HUMAN2026	January, 2026	SCOPUS
	Rupa Saha, Koushik Karmakar	Sleep Pattern Analysis for Elderly Using Wearables	ICCECE 2026	February, 2026	SCOPUS

	Ahasan Habib Mallick, Rohan Kumar Bhatt, AravaTanesu, EddumuPushkar, Koushik Karmakar, Rupa Saha	Smart Attendance System using Face Recognition	AGC 2026	March, 2026	SCOPUS
	Aditya Agarwal, Ayush Mishra, Ashutosh Kumar, Saurabh Dubey, Koushik Karmakar, Rupa Saha	AI-Enabled Learning Management System with Personalized Roadmaps	AGC 2026	March, 2026	SCOPUS
	Mukta Debnath, Debasri Saha, Amlan Chakrabarti, Susmita Sur-Kolay	STING-DNN: Structural Task Integrity Guard for DNN Inference on FPGA Edge SoCs	ISVLSI 2026	March, 2026	SCOPUS
	Koushik Karmakar, Souvik Baguli, Ranita Ghanta, Ankit Chakladar, Rupa Saha	ML-Powered System to Detect and Recognize Multiple Faces for Automated Attendance	4th International Conference on Data Analytics and Insights	April, 2026	SCOPUS
	Soham Das, Snehajyoti Maity, Bikram Koley, Sayan Bera, Pritusna Banik, Ritama Sharma	Deep Learning for Sustainable Agriculture: Early Detection of Potato Leaf Disease	ICVCS 2026	May, 2026	SCOPUS
	Samir Lohar, Suman Samanta, Samayatri Das, Akash Mallick, Pritusna Banik	Breast Cancer Detection Using Machine Learning	R10-HTC 2026	May, 2026	SCOPUS
DS	Dr. Chandrima Chakrabarti	A Noble Route Discovery Technique in UAV based Delay Tolerant Network for Disaster Management	2nd International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE)	25-Jun-25	SCOPUS

	Chandrima Chakrabarti; Bingshati Mondal; Krishnendu Roy; Disha Basu; Rakesh Ghosh; Swapnendu Kolay	Drone-Enabled Lift Zone Surveillance and Hazard Detection	International Conference on Sustainable Technology in Energy and Power Systems (STEPCon)	07-Apr-26	SCOPUS
	Chandrima Chakrabarti; Sayak Bhunia; Rajarshi Nath; Subhraneel Saha; Saket Srivastava	Enhanced MRI-Based Brain Tumor Classification Using Wiener Filter, U-Net++ and Inception V4	2nd International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE)	20-May-26	SCOPUS
	Saswat Panda; Subhasree Bhattacharjee; Pritam Bhattacharjee; Kunal Das; Chandrima Chakrabarti; Bikramjit Sarkar	FDPQM: A New Fuzzy-based Highest Degree Priority Approach for Qubit Mapping	Sustainable Technology in Energy and Power Systems (STEPCon)	07-Apr-26	SCOPUS
CSBS	Diya Gupta, Ayshi Chattopadhyay, Debasreeta Debnath, Ratul Chowdhury, Prianka Dey	An Innovative Machine Learning Approach for Cervical Cancer Prediction	2nd International Conference on Smart Systems and Wireless Communication	Novembe r	SCOPUS
	Prianka Dey, Ratul Chowdhury, Rupali Banerjee, Soumadip Mondal, Jadav Chandra Das , Anupam Ghosh	An IoT-Enabled Real-Time Soil Irrigation System for Smart Agriculture	2025 Seventh International Conference on Research in Computational Intelligence and Communication Networks	October,2025	SCOPUS

	Rishav Bairagya, SAGARIKA CHOWDHURY, Tathagata Chatterjee, Arpan Das, Prianka Dey	Integrating Explainable AI in Smart Farming for Transparent Crop Recommendation and Market Analysis	IEEE International Conference on Advances in Computing Research on Science Engineering and Technology (ACROSET 2025)	October,2025	SCOPUS
	Prianka Dey, Piyush Priyam Prasad Gupta, Vanshika Agarwal, Mehul Shaw, Gargi Shubham, Swarnali Daw	Machine Learning-Driven Analysis for Fetal Health Classification Using CTG Data-A Survey	6th International Conference on Frontiers in Computing and Systems	October,2025	SCOPUS
	Prianka Dey, Ratul Chowdhury, Soumadip Mondal, Shankhadeep Purkait , Nisha Mishra, Sudipto Chatterjee	Secure EV Charging and Communication: A Hybrid GNN-IDS and Post-Quantum Cryptographic Approach	IEEE 5th International Conference on Sustainable Energy and Future Electric Transportation (SEFET 2025)	October,2025	SCOPUS
	Anubhab Biswas; Anik Maity; Biprendu Poddar; Kunal Mondal; Swarnali Daw; Prianka Dey	A Comparative Prediction of Dropouts of Students from Massive Open Online Courses Using Machine Learning Algorithms	2025 International Conference on Emerging Trends in Industry 4.0 Technologies (ICETI4T)	Aug-25	SCOPUS
	Aniruddha Sen, Pritam Baidya, Shwon Ghosh, Atanu Majumdar, Prianka Dey, Sagarika Chowdhury, Swarnali Daw	An Analysis and Study of Spoofing Detection In Face Recognition System	Seventh International Conference on Computational Intelligence in Communications and Business Analytics	November,2025	SCOPUS

	Subham Dubey, Deba Ghosh, Akash Dey, Sreerupa Banik, Sagarika Chowdhury, Prianka Dey	Enhancing Disease Prediction using Advanced Machine Learning Algorithms	Seventh International Conference on Computational Intelligence in Communications and Business Analytics	Novembe r,2025	SCOPUS
IT	Ritwika mukherjee, Srijita bandopadhyay, Neepa biswas, suchismita maiti, soumen banerjee	Machine Learning-aided Classification of *** in Organic Agri-food Industries	2nd International Conference on Circuits, Power and Intelligent Systems (CCPIS) 2025	Septembe r 2025	SCOPUS
	Suchismita Maiti, Neepa Biswas, Debabrata Maity, Sayandeep Sharma, Chandrima Sarkar, Sahini Bhattacharya, Sneha Mondal	An Adaptive System for Detecting Anomalies in Smart Electric Grids Using *** Models	International Conference on Applied Algorithms (ICAA) 2026	Jan-26	SCOPUS
	Himanshu Sharma, Souvik Pal, Anshu Shaw, Archi Sinha, Anirban Bhar, Neepa Biswas	A Comprehensive Approach for Real-Time 3D Model Manipulation Using Hand Gestures	2025 International Conference on Computing, Intelligence, and Application (CIACON)	October 2025	SCOPUS
	Subhangini Das, Supriya Bhowmick, Debdutta Burman, Tanisha Roy, Anirban Bhar, Soumya Bhattacharyya	Optimizing CNN Architectures for Cat and Dog Classification with Focus on Generalization and Robustness	2025 International Conference on Computing, Intelligence, and Application (CIACON)	October 2025	SCOPUS
	Prasun Roy, Rajshekhar Karmakar, Aditi Chakrabarty, Anal Malakar, Anirban Bhar, Sujata Kundu, Suchismita Maiti.	Hybrid Sentiment Analysis Models: Combining Logistic Regression and LSTM Predictions	The Seventh International Conference on Computational Intelligence in Communications and Business Analytics (CICBA 2025)	May 2026	SCOPUS

	Sreetoma Mukherjee, Rohit Shaw, Rohan Shaw, Debanjana De Biswas, Anirban Bhar, Debabrata Maity, Soumya Bhattacharyya	Real-Time Driver Drowsiness Detection Using CNN-Based Eye Blink Analysis for Accident Prevention	The Seventh International Conference on Computational Intelligence in Communications and Business Analytics (CICBA 2025)	May 2026	SCOPUS
	Vishal Kumar, Rohan Raychaudhuri, Shibam Kundu, Ayan Kumar Mondal, Anirban Bhar, Suman Kumar Bhattacharyya, Neepa Biswas	An AI-Powered Fake News Detection System: Analyzing Misinformation in Digital Media	The Seventh International Conference on Computational Intelligence in Communications and Business Analytics (CICBA 2025)	May 2026	SCOPUS
	Samriddha Bhattacharyya, Surjit Banik, Ankit Paswan, Nitin Kumar, Neepa Biswas, Suchismita Maiti, Anirban Bhar, and Kartick Chandra Mondal	Comparative Analysis of Apache Spark and Apache Kafka for Efficient Data Integration for Real-Time Data Processing	The Seventh International Conference on Computational Intelligence in Communications and Business Analytics (CICBA 2025)	May 2026	SCOPUS
	Dr Soumyabrata Saha Suparna DasGupta Soumya Bhattacharyya	Revolutionizing Plant Leaf Disease Classification Using Convolutional Neural Networks	INTERNATIONAL CONFERENCE ON GREEN TECHNOLOGY AND SMART SYSTEMS 2025	April 2026	SCOPUS
	Shambhu Saha,Sharmistha Das,Aditya Kumar Jha,Deep Sarkar,Abhirup Basak Sambit Chakraborty,Soumya Bhattacharyya	A Study on Multimodal Brain Tumor Segmentation Using Enhanced 2D U-Net Architecture	2nd International Conference on Smart Systems and Wireless Communication	May 2026	SCOPUS

	Sambit S. Mondal, Biplab Kumar Mondal, Khushi Banerjee, Bikas Mondal, Sujata Kundu, Sudip Das, Anirban Kundu	Proactive Handoff Mechanisms in 6G Mobile Networks: AI-Driven Innovations for Seamless Mobility	SIGNASS 2026	Feb-26	SCOPUS
	Trishita Ghosh, Sudeep Ghosh, Suparna Biswas, Animesh Kairi, Soumen Ghosh, Shekhar Maiti	Generative AI to Bridge the Gap and Improve Medical Reporting Interpretation	6th International Ethical Hacking Conference (eHaCON) 2025 AI and Law	January 2026	SCOPUS
	Ghosh, Subhajit, Avik Kumar Das, and Neepa Biswas.	"MTD-IDS Approach for Communication Interruption in Secure Targeted Drone Navigation."	6th World Conference on Artificial Intelligence: Advances and Applications (WCAIAA 2025)	July 2025	SCOPUS
	Sayandeep Sharma, Shreyash Gupta, Aman Kumar, Sahil Kundu, Suchismita Maiti, Neepa Biswas, Suman Kumar Bhattacharya & Mahamuda Sultana	A Novel RGB Feature Based Coral Bleaching Detection Using SLIC Superpixel Segmentation	Advanced Computational and Communication Paradigms (ICACCP 2025)	February 2026	SCOPUS
	Pijush Dutta, Sujata Kundu, Shobhandeb Paul, Gour Gopal Jana & Arindam Sadhu	Evaluating the Performance of Machine Learning Integrated SMOTE Analysis for Prediction of Risk Factors of Seismic Hazards	ICISS 2024	08 July 2025	SCOPUS
	Niratyay Biswas, Sujata Kundu, Shyamapriya Chatterjee, Shobhandeb Paul, Gour Gopal Jana, Arindam Sadhu & Pijush Dutta	Automated Risk Prediction Model of Hepatitis B Patients with Potential Attributes Data Using Machine Learning Approach	ICISS 2024	09 July 2025	SCOPUS

BSHU	Debrupa Pal, Debopriya Dey, Pranjal Das, Abhipriya Halder, Dhruba Das Judge	Innovative Irrigation Technologies and Their Role in Sustainable Agricultural Water Management	1 st International Conference on Advancement of Intelligent Computing in Data Analysis and Knowledge Discovery	Jun-26	SCOPUS
	Debopriya Dey , Samarjit Kar, Dilip Kumar Bhattacharya	A new solution approach of a production inventory model	International Conference on Supply Chain Modelling, Optimization, Digitalization and Analytics (ICoSMODA)	Jun-26	SCOPUS
	Sreyasree Basu, Indrajit Bhattacharjee, Mainak Debnath, Sarbani Ganguly, Kamalika Banerjee,Dhanajay Kr. Tripathi	Sustainable Hydrogen Through Biological Systems: Current Trends in Production and Storage Solutions	International Conference on Sustainable Technology in Energy and Power Systems (2025)	April 2026	SCOPUS
	Aparajita Paul, Rupa Bhattacharya, Pallav Dutta	Neurophysiological assessment of human stress levels via electro encephalographic signal analysis in reaction to musical stimuli	International Conference on Sustainable Technology in Energy and Power Systems (2025)	April 2026	SCOPUS
	Ritika Dhar, Aritra Bandyopadhyay, Shilpi Pal, Shubhendu Banerjee, Divyaansi Singh, Ankesh Samanta, Samrat Talukdar.	OPTICS–Fuzzy Intuitionistic Modeling for Robust Image Denoising	International Conference on Signal Analysis for Smart Systems (SIGNASS-2026),	April 2026	SCOPUS
	Debopriya Dey, Debrupa Pal, Mrinmay Guria	Prediction of Parkinson's disease	PUNECON 2025	April 2026	SCOPUS
	Debrupa Pal, Mrinmay Guria, Debopriya Dey,	Handwritten Digit Recognition using Machine Learning	EDCT2025	April, 2026	SCOPUS

	Debrupa Pal, Debopriya Dey,Mrinmay Guria	Exploring Predictive Models for Lung Cancer: A Machine Learning perspective	STEPCON2025	April, 2026	SCOPUS
	Mrinmoy Guria, Debrupa Pal, Debopriya Dey, Arindam Hui, Ankan Saha, Vikas Kumar Singh, Bishnupada Maity	DiabPredict: An Explainable and Deployment-Ready Machine Learning Framework for Early Diabetes Risk Assessment	ICICACS2026	June 2026	SCOPUS
CA	Indrajeet Mondal, Sumana Das, Suseta Datta, Debrupa Pal, Subhasree Bhattacherjee	Robustness of Machine Learning Models in Agricultural Yield Prediction Across Statistical Data Preprocessing Techniques	2nd International Conference on Emerging Trends in Electronic Devices and Computational Techniques (EDCT 2025)	Novembe r, 2025	SCOPUS
	Shubhangi Sarkar, Sristi Paul, Toshani Dutta, Sumedha Das, Debrupa Pal, Suseta Datta, Mrinmoy Guria	Bilingual Sentiment Analysis with Emoticons	2nd International Conference on Emerging Trends in Electronic Devices and Computational Techniques (EDCT 2025)	Novembe r, 2025	SCOPUS
	Mrinmoy Guria, Debrupa Pal, Soumyadipta Seal, Sourasish Bag, Krishna Pranab Chatterjee, Avirup Biswas	Predictive Techniques in Machine Learning for Heart Disease	2025 International Conference on Computing, Intelligence, and Application (CIACON)	July, 2025	SCOPUS
	Nirmalya Bose, Debrupa Pal, Anukul Maity	The Use of Interpretable AI Models in Breast Cancer Risk and Detection: A Scoping Review Approach	International Conference on Power, Instrumentation, Control and Computing (PICC) 2025	October, 2025	SCOPUS

	Joyshree Hembram, Uday Narayan, Ananya Adak, Shabeena Perween, Debrupa Pal, Mrinmoy Guria, Debopriya Dey	Handwritten Digit Recognition Using Machine Learning	2nd International Conference on Emerging Trends in Electronic Devices and Computational Techniques (EDCT 2025)	Novembe r 2025	SCOPUS
	Prgyna Paramita Garai, Debrupa Pal, Dola Saha, Prodop Deb, Amrita Mitra, Kakali Das, Pijush Dutta	Leveraging HITL Approaches for Safeguarding Public Health Against Online Misinformation	2nd International Conference on Emerging Trends in Electronic Devices and Computational Techniques (EDCT 2025)	Novembe r 2025	SCOPUS
	Srinjay Dasgupta,Debopriya Dey, Debrupa Pal, Samadrita Karmakar, Prabuddha Chatterjee, Anik Baul, Mrinmoy Guria	UPDRS Score Estimation from Telemonitoring Voice Data Using Hybrid Ensemble Methods	2025 IEEE Pune Section International Conference (IEEE PuneCon 2025)	December 2026	SCOPUS
	Debrupa Pal, Mrinmoy Guria, Sudakshina Mandal, Poulami Majumdar, Srishti Bhattacharyay, Avilash Hait	The Convergence of Artificial Intelligence and Brain-Computer Interfaces: New Frontiers and Possibilities	International Conference on Green Technology & Smart Systems 2025	December , 2025	SCOPUS
	Rupa Saha, Subhasree Bhattacharjee, Sudakshina Mandal, Mandira Basak, Sahim Khan, Anushree Paul	Comprehensive Survey on Federated Learning for Privacy-Preserving	International Conference on Intelligent Computing, Networks and Security ((IC-ICNS 2026)	March, 2026	SCOPUS
	Rupa Saha, Sudip Das, Koushik Karmakar, Arnab Laha, Ronit Banerjee, Suman Pramanick,	Sleep Pattern Analysis for Elderly Using Wearables	International Conference on Computer Electrical & Communication Engineering (ICCECE 2026)	February, 2026	SCOPUS

	Riya Nandy, Udita Sarkar, Rupa Saha, Sudip Das, Reshmi Mondal	AI-Powered Anomaly Detection in Remote Patient Monitoring	Digital Technology Developments Connecting the Future of Applications of Computing (DTDCFAC)	January, 2026	SCOPUS
	Subhasree Bhattacharjee, ,Kunal Das, Arindam Sadhu, Debrupa Pal, Poulomi Karmakar, Priyasha Sikdar, Aniruddha Adhikary, Peu Saha,	Quantum Simulation of a New Multivariate Prediction Model SEIRDVIms to Assess the Impacts of Social Restriction and Vaccination on Spreading Disease Transmission and Mortality Show abstract	3rd International Conference on Emerging Trends in Engineering and Medical Sciences (ICETEMS,2026)	March, 2026	SCOPUS
	Sudakshina Mandal, Debrupa Pal, Rupa Saha, Rohan Bhowmik, Anis Das, Sayantani Sadhukhan	Gaussian Differential Privacy Driven Federated Learning Approach For Robust Malware Classification	International Conference on Signal Analysis for Smart Systems (SIGNASS-2026)	February, 2026	SCOPUS
	Sudakshina Mandal, Debrupa Pal, Rupa Saha, Soumyajit Dutta, Madhuli Paul ,Arpan Sadhukhan	A GA-DQN Based Crossover Guided Method for Self - Adaptive Cloud Resource Scheduling	1st International Conference on Artificial Intelligence and Machine Learning in Communication and Power Systems (AIMLCPS-2026)	February 2026	SCOPUS
	Suseta Datta, Debrupa Pal, Subhasree Bhattacharjee, Maitreyee Banik, Dewashish Anand Poddar, Bhawana Agarwal	Transparent Threat Detection: Innovative Strategies and Future Pathways for Explainable IDS	4th International Conference on Knowledge Engineering and Communication Systems (ICKECS2026)	April, 2026	SCOPUS

	Sukalyan Chakraborty, Aritra Roy, Aditya Kumar Roy,Satyam Sarkar,Papri Ghosh,Debrupa Pal,Md. Ashifuddin Mondal,Subhram Das	Multiclass Satellite Imagery Segmentation Using Deep Encoder–Decoder Networks	4th International Conference on Knowledge Engineering and Communication Systems (ICKECS2026)	April, 2026	SCOPUS
	Mrinmoy Guria, Debrupa Pal, Rishav Kumar, Apurv Sinha, Anjali Sharma, Raghav Kumar, Tanvir Habib Sardar	GreenScan: Deep Learning-Powered Agricultural Disease Analytics	4th International Conference on Integrated Circuits and Communication Systems (ICICACS - 2026)		SCOPUS
	Mrinmoy Guria, Debrupa Pal, Arindam Hui, Ankan Saha, Vikas Kumar Singh, Bishnupada Maity	DiabPredict: An Explainable and Deployment-Ready Machine Learning Framework for Early Diabetes Risk Assessment	4th International Conference on Integrated Circuits and Communication Systems (ICICACS - 2026)	June, 2026	SCOPUS
BA	Somnath Chakraborty	Scope of Small Business for promotion of Travel and Tourism in West Bengal	Amantran 2025, Scopus & Wos Indexed Conference	Oct-25	SCOPUS
CE	Abhipriya Halder	Site-Specific Liquefaction Analysis for Newtown, Kolkata, Using Dilatometer Marchetti Test (DMT) Calibrated UBC3D-PLM Model	Geo-Extreme 2025	Oct-25	SCOPUS

BOOK CHAPTER PUBLICATION IN 2025-26

DEPARTMENT	LIST OF AUTHORS	ARTICLE TITLE	NAME OF THE BOOK	Publication MONTH, YEAR	INDEXING
CSE	Chatterjee, S., Chakrabarti, S., Biswas, S., Chaudhuri, A., Saha, S., Mahapatra, P.R.S.	A Two-Stage Autoencoder-Based Satellite Image Analysis Framework for Green Land Cover Detection.	International Conference on Data Analytics and Insights. ICDAI 2024. Lecture Notes in Networks and Systems,	July, 2025	SCOPUS
	Sayan Ghosh, Samarpan Basu, Soumili Biswas, Ankan Mondal,SOHINEE MONDAL, Ipsita Dalui	Mapping the Spatial Distribution and Hotspots of Child Abuse in West Bengal Using Kernel Density Estimation	Third International Conference on Augmented Intelligence and Sustainable Systems ICAISS-2025	September, 2025	SCOPUS
	Priyevart Kumar, Divyansh Sinha, Divyanshu Sharma, Krishan Kumar, SOHINEE MONDAL, Avishek Nath, Pritusna Banik	Optimizing Apple cultivation in West Bengal using machine learning	7th International Conference on Energy, Power and Environment (ICEPE 2025)	October, 2025	SCOPUS
	Nath, S., Mukherjee, S., Saha, S.	A Machine Learning Based Model for Predicting the Ratio of UCS and Point Load Strength of a Typical Rock in the State of Odisha, India.	Indian Geotechnical Conference (IGC 2024), Volume 8. IGC 2024. Lecture Notes in Civil Engineering, vol 704. Springer,	October, 2025	SCOPUS
	Debrupa Pal, Papri Ghosh, Subhram Das, Aurpan Majumder	Predicting Protein–Protein Interactions Machine Learning Models, Obstacles, and Advancements	AI and Data Engineering for Healthcare	November, 2025	SCOPUS

	Soma Chatterjee, Sohini Roy Choudhury, Kamal Sarkar	Towards Design of an Integrated System for Bengali Text Document Retrieval, Clustering, Cluster Label Generation and Document Summarization	ICDEC-2025Lecture Notes in Networks and Systems(LNNS-Volume 1455)	November, 2025	SCOPUS
	Sujoy Das, Arka Gain, Swastika Mukherjee, Pratyasha Paul and Debjani Chakraborty	Face recognition system using Dlib and face-recognizer module	Recent Trends in Data Analytics and Computing	February, 2026	SCOPUS
	Swarnali Daw, Suchismita Maiti, Deepanwita Das	A COMPARATIVE STUDY OF MACHINE LEARNING ALGORITHMS FOR THE PREDICTION OF THE PRONENESS TO SUBSTANCE ABUSE OF INDIVIDUALS	ICACCP 2025	April, 2026	SCOPUS
	Aniruddha Sen, Pritam Baidya, Shwon Ghosh, Atanu Majumdar, Prianka Dey, Sagarika Chowdhury, Swarnali Daw, and Ratul Chowdhury.	Face Recognition Lock System in Lift Using IoT	CICBA 2025	May, 2026	SCOPUS
	Sagar Jana, Bishal Chandra Debnath, Swarnali Daw, Anjana Kumari Das, Aishik Debnath,	OBJECT CLASSIFICATION AND DETECTION WITH LIQUID NEURAL NETWORKS	CICBA 2025	May,2026	SCOPUS
	Debajyoti Das, Sayandeep Paria, Shreya Ghosh, Anurag Singh, Jayita Pal & Tathagata Chatterjee	Edge AI-Powered Real-Time Arrhythmia Detection: Ad-Vancements and Future Directions	Intelligent Electrical Systems and Industrial Automation (IESIA) 2025	April, 2026	SCOPUS

	Sayak Bhattacharya , Preetish Ray , Sandipta Ghosh, Akash Bhattacharjee, Ipsita Dalui, Sohinee Mondal, Aparajita Paul	Data Augmentation for Image Classification: A Survey	2nd International Conference on Smart Systems and Wireless Communication(SSWC 2025)	June, 2026	SCOPUS
	Debjani Chakraborty, Biswajit Halder, Sourav Saha, Nabanita Das	Duplication Fraudulent Detection of Tampered Image Using Optimized CNN	Computational Intelligence in Communications and Business Analytics. CICBA 2025	May 2026	SCOPUS
	Alok Roy, Santanu Das, Spriha Das Sarkar, Sourav Saha, and Sibapriya Mukherjee	Estimation of Missing Shear Strength Parameters of a Borehole Profile Using Machine Learning Model	International Conference on Novel Infrastructure Techniques	January, 2026	SCOPUS
	Alok Roy, Santanu Das, Spriha Das Sarkar, Sourav Saha, and Sibapriya Mukherjee	Prediction of Soil Shear Strength Parameters at Different Depths of Missing Borehole Profile Using Machine Learning Model	International Conference on Novel Infrastructure Techniques	January, 2026	SCOPUS
EE	Shibangi Bhattacharya, Khushi Rao, Sudhangshu Sarkar, Pallav Dutta, Biswadeep Gupta Bakshi	Evolution of linear electrical model of non-branded white LEDs and its application in the field of dimmable driver design	Recent Trends in Engineering, Science and Technology	19.08.2025	SCOPUS
	Dipu Mistry, Arunava Kabiraj Thakur, Reshmi Chandra, Suman Moitra, Maitrayee Chakrabarty & Bishaljit Paul	A Deterministic Approach for the Optimal Scheduling in Mixed Generation	Evolution in Signal Processing and Telecommunication Networks (ICMEET 2024)	15.02.2026	SCOPUS

	Ambarnath Banerji, Abir Das, Sabyasachi Nandy, Sufal Dhar, Tiyasha Sarkar, Ankur Mondal, Souvik Das, Pallav Dutta, Bansari Deb Majumder & Subimal Roy Barman	IoT-Based Monitoring of the Health of Dam	Lecture Notes in Civil Engineering ((LNCE,volume 699))	02 January 2026	SCOPUS
	Bansari Deb Majumder, Moumita Ghosh, Subha Koley, Joy Halder, Joyanta Kumar Roy & Tanmay Sinha Roy	Modeling of Laboratory Scale Electrically Heater Boiler Using Artificial Neural Network	Springer Nature LNNS series	05 October 2025	SCOPUS
	Tanmay Sinha Roy, Joyanta Kumar Roy, Nirupama Mandal, Bansari Deb Majumder & Moumita Ghosh	EEG Based Mental State Classification Using AdaBoost Model	Springer Nature LNNS series	05 October 2025	SCOPUS
	Saurabh Basak, Tanmay Sinha Roy, Bansari Deb Majumder	Prediction of external quantum efficiency for organic tin based perovskites	Recent Trends in Engineering, Science and Technology	19 August 2025	SCOPUS
	Sandip Sen, Biswajit Halder	Thau's Observer for Coulomb Friction Dominated DC Velocity Servomechanism	Springer Nature LNNS series	01.04.2026	SCOPUS
	Bishaljit Paul,Kamalika Banerjee, Pallav Dutta,Reshmi Chandra,Suman Moitra	A stochastic approach for Optimal Scheduling in Mixed Generation	Taylor Francis	19th August 2025	SCOPUS

	Das, Himadri Sekhar, Heranmoy Maity, Sudipta Banerjee, Maitrayee Chakrabarty, Gourisankar Roymahapatra, and Banibrata Bag.	Material Discovery, Renewable Energy, and the Scope of Shallow Learning and Deep Learning." In Applications of AI in Materials Science	IGI Global Scientific Publishing	February, 2026	SCOPUS
	Das, Himadri Sekhar, Heranmoy Maity, Sudipta Banerjee, Maitrayee Chakrabarty, and Gaurav Sharma.	Electronic Structure of Semiconductors and Topological Materials	In Advances in Computational and Theoretical Chemistry: From Molecules to Materials IGI Global Scientific Publishing,	March, 2026	SCOPUS
ECS	Sparsho Chakraborty, Sayantan Mitra, Md. Avaish Siddiqui, Md. Alamgir, Rahul Raj, Susmita Das	Design of an EMG and EEG-based Bionic Hand using Haptic Sensation and Thermal Feedbac	Cognitive Biomarkers and BCI Applications Proceedings of MBCC 2025, Volume 2	June 2026	SCOPUS
	Biswarup Neogi, Payel Chakraborty, Susmita Das, Soumyendu Bhattacharjee	Hip Exoskeleton Controller Design : a comprehensive review for people with leg deformities	Elsevier	Feb-26	SCOPUS
	Bikas Mondal, Devdipro Bhaduri, Souryodipto Debnath, Prachi Shaw & Sanghamitra Layek	IoT in Motion: Cognitive Robotic Vehicles for Rescue and Remote Operations	Internet of Vehicles. Transactions on Computer Systems and Networks. Springer, Singapore	22 January 2026	SCOPUS
CE	Sudip Nath, Sibapriya Mukherjee, Sourav Saha	A machine learning Based Model for Predicting the ratio of UCS and point load ….	Proceedings of the Indian Gotechnical Conference 2024	Oct-25	SCOPUS
	Partha Basu, Sibapriya Mukherjee, Rajkumar Banerjee & Ankur Saha	Silty Sand Deposit of Ganga River with Random Fiber Reinforcement for Filling Low Lying Area	Proceedings of the Indian Geotechnical Conference (IGC 2024)	Oct-25	SCOPUS

	Adrita Chowdhury, Partha Basu, Sibapriya Mukherjee, Rajkumar Banerjee, and Bibhas Chandra Barman	Model Study on Bifurcation of River Damodar at Beguahana, Burdwan, West Benga	Proceedings of the Indian Geotechnical Conference (IGC 2023), Volume 4	Oct-25	SCOPUS
	Rajesh Nandi, Sibapriya Mukherjee & Kaushik Bandyopadhyay	A Numerical Study on Behavior of Ring Footing on Sand	Proceedings of the Indian Gotechnical Conference 2024	Oct-25	SCOPUS
	Sneha Gupta, Sibapriya Mukherjee & Abhipriya Halder	Effect of Inclination Angle of Nails on Slope Stabilization by Soil Nailing	Proceedings of the Indian Geotechnical Conference (IGC 2024)	Oct-25	SCOPUS
	Abhipriya Halder, Kaustav Das, Abhishek Mallick, Kaushik Bandyopadhyay, Narayan Roy & Sibapriya Mukherjee	Assessment of Liquefaction Potential by Different Approaches at a Site in South 24 Parganas Near Kolkata	Proceedings of the Indian Geotechnical Conference (IGC 2024)	Oct-25	SCOPUS
	Abhipriya Halder, Purnendu Samui, Kaushik Bandyopadhyay & Sibapriya Mukherjee	Liquefaction Potential and Post-liquefaction Behavior at Sonarpur Near Kolkata—A Case Study	Proceedings of the Indian Geotechnical Conference (IGC 2023), Volume 4	Oct-25	SCOPUS
CA	Suseta Datta, Rajdeep Roy, Sourav Banerjee, Utpal Biswas	Multi-Chain NFTs: A Secure and Sustainable Approach to Interoperability in Blockchain	Research Advances in Network Technologies (Vol. 3)	April,2026	SCOPUS
	Debrupa Pal, Papri Ghosh, Subhram Das, Aurpan Majumder	Predicting Protein-Protein Interactions: Machine Learning Models, Obstacles, and Advancements	AI and Data Engineering for Healthcare Real-World Applications and Case Studies	December, 2025	SCOPUS

	Debrupa Pal, Nirmalya Chowdhury, Sreya Dey	Smart applications and challenges of Internet of Things: a review	Recent Trends in Data Analytics and Computing	Jun-26	SCOPUS
	Amrut Ranjan jena, Moloy Dhar,Pallabi Das,Sunny Guha, Subhasree Bhattacharjee	Machine learning approaches to predict term deposits in banking sector	AIP Conf. Proc3394,020007(2025)	November' 2025	SCOPUS
	Moloy Dhar, Subhasree Bhattacharjee	Captioning of Images Using ResNet50 and MobileNet: A Mixed Model Approach	Smart Systems and Wireless Communication. SSWC 2025. Smart Innovation, Systems and Technologies, vol 484. Springer	May 2026	SCOPUS

BOOKS PUBLICATION IN 2025-26

DEPARTMENT	LIST OF AUTHORS	BOOK TITLE	PUBLISHER	ISBN	MONTH, YEAR OF PUBLICATION
CSE	Dr. S. Sankar Ganesh, Mrs. Aparna VK, Prof. Debjani Chakraborty, Prof. Ipsita Dalui	Advanced Security in IoT: Methods and Technology	Kiwi International Publishing House	978-93-47451-03-4	January, 2026
	Dr. Sagarika Chowdhury, Mrs. Prianka Dey, Mrs. Swarnali Daw, Madhusmita Mishra, Mr. Chiranjib Dutta, Dr. Jayanta Pal	The Future of Artificial Intelligence: Algorithms, Ethics and Innovation	Chyren Publication	978-93-7143-029-6	April 2026
	Ms Manali Sarkar, Ms Ritama Sharma, Ms Jayita Pal, Dr. Soma Chatterjee, Dr. Sohini Paul, Dr. Nabanita Das	THE THINKING CODE: Exploring the Power of Artificial Intelligence	Crown Publisher	ISBN -- 978-93-7424-359-6	April, 2026

	Dr. Sohini Paul Dr. Nabanita Das, Dr. Soma Chatterjee, Ms. Pritusna Banik, Mr. Subhajit Brojabasi, Mr. Paragkanti Chattopadhyay	Intelligent Machines: Unlocking the Future of AI and Learning Systems	Crown Publisher	ISBN -- 978-93-7424-384-8	April, 2026
	Sudarshan Nath, Dr. Soumyabrata Saha,Dr. Suparna Dasgupta, Avishek Nath, Jayita pal, Ritama Sharma	The Silicon Scholar	Crown Publishing	978-93-7424-850-8	May, 2026
	Dr. Krishna Kumar Jha, Suparna Karmakar,Tridib Chakraborty, Dr. Saurabh Pal, Avishek Nath, Moutan Mukhopadhyay	ARTIFICIAL INTELLIGENCE FOR SUSTAINABLE DEVELOPMENT: EMERGING TECHNOLOGIES AND FUTURE DIRECTIONS(Edition1)	SELFYPAGE DEVELOPERS PVT LTD	978-93-7020-010-4	May, 2026
	Sudarshan Nath, ,Dr. Suparna Dasgupta, Anunay Ghosh, Ritwika Mukherjee, Bingshati Mondal, Anukul Maity	BEYOND BLACK-BOX AI: Designing Human-Centered Artificial Intelligence with Trust, Transparency, and Responsibility	Crown Publisher	978-93-7424-895-9	September , 2026
	Prajesh Das, Dr. Pushpita Roy, Dr. Shubhendu Banerjee	Hello World to Hello Models: Machine Learning for New Programmers	Taneesha Publishing	978-81-69244-16-9	June, 2026.
	Prof. Dr. Subhram Das Dr. Nidhi Singh Dr. Bansari Deb Majumder Dr. Shubhendu Banerjee, Dr. Chandrima Chakrabarti Dr. Dipankar Saha Mr. Tathagata Chatterjee	AI Utkarsh: Chronicles of Next-Gen AI(Edition1)	Narula Institute of Technology	978-93-5782-748-5	March, 2026

ECE	Dr. Sangita Roy	Comprehensive Lecture Notes on Analog and Digital Electronics: Part-I: A Guide for Students and Engineers	Amazon	ISBN-13 : 979-82658877 57 ASIN : B0FRZFN 483	Sept., 2025
	Dr. Sangita Roy	Comprehensive Lecture Notes on Analog and Digital Electronics: Part-II: A Beginner's Guide to Oscillators, Data Converters, and Logic Basics	Amazon	ISBN-13 : 979-82663745 39	Sept., 2025
	Debmitra Ghosh, Dr. Sangita Roy, and Dr. Swarup Mitra	Water, Protozoa, and Intelligent Detection: Smart Water Safety through Intelligent Sensing	Amazon	ASIN : B0GQKV QD75, ISBN-13 : 979-82500444 00	Feb., 2026
	Sandhya Pattanayak, Naga Sivamma N, Priyadharshini SP, and Sathiyaraj	Advanced Robotics with Artificial Intelligence and IoT	REST Publishers	ISBN: 978-81-69452-93-9	May, 2026
	Soumen Pal, Kaushik sarkar, and Sandhya Pattanayak	Analog Electronic Circuits: Into the Art of Analog Design	Amazon	ISBN: 979-81802008 60	Jun., 2026
EE	Dr. Maitrayee Chakrabarty Ms. Debodyuti Upadhaya Dr. Bansari Deb Majumdar Dr. Barnali kundu Dr. Himadri Sekhar Das	Mastering 8085 & 8086 Microprocessors: A Question – Answer Approach	OrangeBooks Publication	978-93-7426-767-7	Feb,2026
	Dr. Maitrayee Chakrabarty, Dr. Bishaljit Paul,Ms. Dipu Mistry, Ms. Reshmi Chandra	Automatic Linear Control System	Learnet Publishing	978-81-977844-0-8	March 2026

	Kamalika Banerjee,Arkendu Mitra,Dr. Biswajit Halder	Load Flow And Stability Analysis Of A Multi-Bus Power System Integrated With Wind Turbines And Solar Pv Plant In A Community Micro-Grid System	Ideal Publishing	978-81-998616-9-5	March 2026
	Dr. Bishaljit Paul, Dr. Debasree Saha, Ms. Dipu Mistry, Mr. Pallav Dutta	Power Market with Congestion Management	Learnet Publishing	978-81-977844-9-1	April 2026
	Dr. Bishaljit Paul, Ms. Dipu Mistry, Ms. Priyanjali Mukherjee, Ms. Reshmi Chandra	Constrained and Unconstrained Optimization Solutions in Power System	Learnet Publishing	978-81-977844-1-5	March 2026
	Sudhangshu Sarkar, Arkendu Mitra, Subhra Mukherjee	Stability Improvement Scheme with Distributed Generation	Ideal Publishing	978-81-998616-8-8	March 2026
	Arkendu Mitra, Sudhangshu Sarkar, Subhra Mukherjee	Advanced Power Flow Control with Thyristor-Controlled Series Capacitors	Ideal Publishing	978-81-998616-4-0	March, 2026
	Dr. Bishaljit Paul,	Electricity Markets	Learnet Publishing	978-81-977844-7-7	April 2026
	Dr. Bishaljit Paul,	Power System State Estimation	Learnet Publishing	978-81-685619-0-8	April 2026
	Prof. Dr. Subhram Das Dr. Nidhi Singh Dr. Bansari Deb Majumder Dr. Shubhendu Banerjee ASSOCIATE EDITORS Dr. Chandrima Chakrabarti Dr. Dipankar Saha Mr. Tathagata Chatterjee	AI UTKARSH SUMMIT 2026 AI UTKARSH CHRONICLES OF NEXT GEN AI EDITORS		9789357827485	Jun-26
	Soumya Bhattacharyya, Pallav Dutta, Ankesh Smanta	Machine Learning for beginners	Crown Publiushers	978-93-7424-649-8	June,2026

ECS	Dr. Debasis Chakraborty, Dr. Sambit S. Mondal, Dr. Rudra Pratap Singh, Dr. Bikas Mondal, Dr. Dhrambir Prasad, Dr. Shemim Begum	MACHINE LEARNING TECHNIQUES FOR PATTERN CLASSIFICATIO N	TYMER PUBLISHERS	978-93-6965-531-1	Dec, 2025
	Jayanta Pal, Sumanta Kundu,Susmita Das	Digital Frontiers: Exploring the Future of Computing and Intelligent Systems	Chyren Publishers	97893714 369 15	April 2026
	Dr. Koushik Karmakar, Sanghamitra Layek, Dr. Bikas Mondal	An Introduction to IIOT_Beginners Approach	Crown Publishing	978-93-7424-105-9	May, 2026
	Smriti Dey, Rakhi Dey, Dr. Suparna Dasgupta, Sanghamitra Layek, Dr. Shambhu Nath Saha, Dr. Bikas Mondal	WEB AND INTERNET TECHNOLOGY	Crown Publishing	978-93-7424-725-9	April, 2026
AIML	Chandan Ghosh, Sourodeep Sarkar, Dr. Kishalay Bairagi	The java power book: Tools, Tips and Best Practices	LAMBERT Academic publishing	978-620-8-17046-2	August, 2025
	Dr.Sudakshina Mandal,Dr.Parthasarathi De,Mrs. Debrupa Pal	Priciples and Practice of Machine Learning	Alpine publishes Pvt.Ltd	978-81-994208-4-7	February 2026
	Mr. Pratap Chandra Roy, Mr. Gopal Pramanik, Mr. Alok Nath Pal, Ms. Sonali Mondal	From Code to Cognition: AI & ML Applications in Computer Science	Natals Publication	978-93-6581-613-6	March, 2026
	Shirsendu Dutta ,Parthasarathi De	A Comprehensive Guide to Quantum Computing	Natals Publication	978-93-6581-055-4	February 2026
	Dr. Kishalay Bairagi, Mrs. Promita Dey , Ms. Shristi Seal, Dr. Dibyendu Kumar Pal , Mr. Chandan Ghosh	The Art of Programming through R	Chyren Publication	978-93-7143-539-0	March, 2026
	Dr. Sagarika Chowdhury, Mrs. Prianka Dey, Mrs. Swarnali Daw, Madhusmita Mishra,	The Future of Artificial Intelligence: Algorithms, Ethics, and Innovation	Chyren Publication	978-93-7143-029-6	March, 2026

	Mr. Chiranjib Dutta, Dr. Jayanta Pal				
	Mr. Pratap Chandra Roy,Mr Shuvendu Das,Ms. Pubali Maiti	Intelligent Systems Engineering	Chyren Publication	978-93-7143-562-8	February, 2026
	Promita Dey, Shristi Seal, Sudip Hansda, Sourav Sadhukhan, Tulika Paul, Bikram Saha	AI FOR EVERYONE: Bridging Theory and Real-World Practice	Chyren Publication	978-93-7143-607-6	April, 2026
	Mr. Naren Debnath, Dr. Kishalay Bairagi, Ms. Suseta Datta, Dr. Dibyendu Kumar Pal	Discrete Mathematics with Python	Chyren Publication	978-93-7880-120-4	May, 2026
CST	Dr. Koushik Karmakar, Dr. Bikash Mondal, Sanghamitra Layek	An Introduction to IIOT Beginners Approach	Crown Publishing	978-93-7424- 105-9	June, 2026
	DR. KOUSHIK KARMAKAR, MR. ANOY CHOWDHURY, MS RUPA SAHA	INTRODUCTION TO DATA SCIENCE	Crown Publishing	978-93-7424-547-7	June, 2026
	Mr. Arindam Das,Ms. Karobi Sarkar,Ms. Debopriya Dey,Ms. Anusua Bhadury	Machine Learning Made Simple with Python	Ideal Publication	978-81-685449-0-1	May,2026
	Mr. Arindam Das,Ms. Karobi Sarkar,Ms. Payel Mondal ,Ms. Anusua Bhadury,Ms. Sohini Das	The Rise of the Independent Will: How Autonomous Agents Challenge the Nature of Thought	Ideal Publication	978-81-685449-5-6	May,2026
	Dipayan Das, Karobi Sarkar, Poulomi Ghosh	OPERATING SYSTEM ESSENTIALS	BooksCamel	97893742 43 459	June, 2026
	Dr. Nabanita Das, Dr. Chandrima Chakrabarti, Dr. Deep Suman Dev, Ms. Pritusna Banik, Mr. Bablu Pramanik, Mr. Suman Kumar Mandal	GENERATIVE AI IN DATA SCIENCE: MODELS, METHODS, AND USE CASES	Crown Publishing	978-93-7424-790-7	May,2026

	Dr. Sohini Paul, Dr. Nabanita Das, Dr. Soma Chatterjee, Ms. Pritusna Banik, Mr. Subhajit Brojabasi, Mr. Paragkanti Chattopadhyay	Intelligent Machines: Unlocking the Future of AI and Learning Systems	Crown Publishing	978-93-7424-384-8	May,2026
DS	DR. NABANITA DAS, DR. CHANDRIMA CHAKRABARTI, DR. DEEP SUMAN DEV, DR. NITAI PAITYA	GENERATIVE AI IN DATA SCIENCE: MODELS, METHODS, AND USE CASES	CROWN PUBLISHING	978-93-7424-790-7	May, 2026
	Arindam Das	Machine Learning Made Simple with Python	Ideal Publications	978-81-685449-0-1	Jun-26
	Arindam Das	The Rise of the Independent Will: How Autonomous Agents Challenge the Nature of Thought	Ideal Publications	978-81-685449-5-6	Jun-26
CSBS	Mrs. Oyendrila Samanta, Mrs. Varalakshmi R, Miss Supriya Kamble, and Dr. Jayanta Pal	Big Data Analytics	CHYREN PUBLICATION	978-93-7143-228-3	August, 2025
	Dr. Sagarika Chowdhury, Prianka Dey, Swarnali Daw, Madhusmita Mishra, Chiranjib Dutta, Dr. Jayanta Pal	The Future of Artificial Intellegence	CHYREN PUBLICATION	978-93-7143-029-6	March 2026
	Dr. Jayanta Pal, Dr. Sumanta Kundu, Dr. Susmita Das, Dr. Amrut Ranjan Jena, Mr.Rafiqul Islam, Ms. Priyanka Chakraborty	Title of the book: Digital Frontiers: Exploring the Future of Computing and Intelligent Systems	CHYREN PUBLICATION	978-93-7143-691-5	March 2026
	Promita Dey, Shristi Seal, Sudip Hansda, Sourav Sadhukhan,Tulika Paul, Bikram Saha	AI for Everyone	CHYREN PUBLICATION	978-93-7143-607-6	April, 2026
	Dr. Kishalay Bairagi, Promita Dey, Shristi Seal, Dibyendu	The Art of R Programming	CHYREN PUBLICATION	978-93-7143-539	March, 2026

	Kumar Pal , Chandan Ghosh				
IT	Suman Kumar Bhattacharyya, Debabrata Maiti, Neepa Biswas , Sudarsan Biswas	Disruptive technologie for the digital age	WissenPress	978-93-6554-833-4	September . 2025
	Soumya Bhattacharyya	Cyber Law - Legal, Social & Ethical Challenges	Crown Publisher	978-93-9054-282-6	March 2026
	S. Kundu, A. Bhar, S. Maiti	Object Technology and UML - a beginners guide	WissenPress	978-93-7426-757-8	May 2026
	M. Sultana, A. Charaborty, S. Bhattacharya, S. Kundu, S. Maiti	AI made easy	NATALS Publication	978-93-6581-141-4	May 2026
	P. Sarkar, M. Sultana, S. Bhattacharyya, S. Maiti	Seeds of tomorrow: How technology is changing Indian farming	NATALS Publication	978-93-6581-248-0	May 2026
	Soumya Bhattacharyya, P Dutta, A Samanta	Introduction to Machine Learning	Crown Publisher	978-93-7424-649-8	June, 2026
CE	Subhankar Dey, Anasuya Mondal, Arya Banerjee	Sustainable Cementitious Materials for Green Concrete: Applications of GGBS and Waste Glass Powder	Learnet Publishing	978-81-686149-3-2	June,2026
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BSHU	Sharmistha Basu, Debasmita Sen, Shantanu Chakraborty, Suman Bose	Design , Think and Communicate	Shades Publisher	978-93-94542-46-4	Jan-26
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	Payel Mondal	The Rise of the Independent Will: How Autonomous Agents Challenge the Nature of Thought	Ideal Publishers	978-81-685449-5-6	Apr-26
	Ms. Aparajita Paul	Ethical India	Learnet Publishing House	978-81-686149-0-1	Jun-26
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	Ms Namrata Pandey	Ten Stories that refuse to let go	Chyren Publication	https://doi.org/10.5281/zenodo.20714281	Jun-26
	Dr. Susmita Karan, Dr. Indrani Sarkar, Dr. Dhananjay Kumar Tripathi	Basics of Engineering Physics	Ideal Publication	ISBN: 978-81-685449-7-0 DOI: https://doi.org/10.71431/ 978-81-685449-7	Jun-26

	Dr. Sarbani Ganguly, Dr. Rupa Bhattacharyya, Sourav Mukherjee	Applied Chemistry Guide for Diploma students	Ideal Publication	978-81-687014-0-3, DOI: https://doi.org/10.71431/ 978-81-687014-0-3	Jun-26
CA	Dr. Sudakshina Mandal, Dr. Parthasarathi De, Debrupa Pal, Dr Ratul Chowdhury	Principles and Practice of Machine Learning	Alphine Publications Ltd.	978-81-994208-4-7	February, 2026
	Debrupa Pal	Cryptographic Systems and Network Defence	Shroff Publishers and Distributors Pvt Ltd	978-93-6808-245-3	March 2026
	Rakhi Dey, Smriti Dey, Dr. Soumyabrata Saha, Dr. Paramita Sarkar, Soumya Bhattacharyya, Sudip Das	Cyber Law: Legal, Social and Ethical Challenges in the Digital Era	CROWN PUBLISHING	978-93-7424-908-6	April, 2026
	Mr. Naren Debnath, Dr. Kishalay Bairagi, Ms. Suseta Datta, Dr. Dibyendu Kumar Pal	DiscreteMathematics with Python	CHYREN PUBLICATION	978-93-7880-120-4	May, 2026
	Anunay Ghosh, Kallol Acharjee, Rupa Saha, Chiranjib Dutta	The RHEL Blueprint	Crown Publishing	978-93-7424-044-1	May, 2026
	Dr. Koushik Karmakar, Mr. Anoy Chowdhury, Rupa Saha	Introduction to Data Science	Crown Publishing	978-93-7424-547-7	June, 2026
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	Dr.Sriparna Guha	Fundamentals of Operations Management	LEVENT	978-93-88069-991	June, 2026

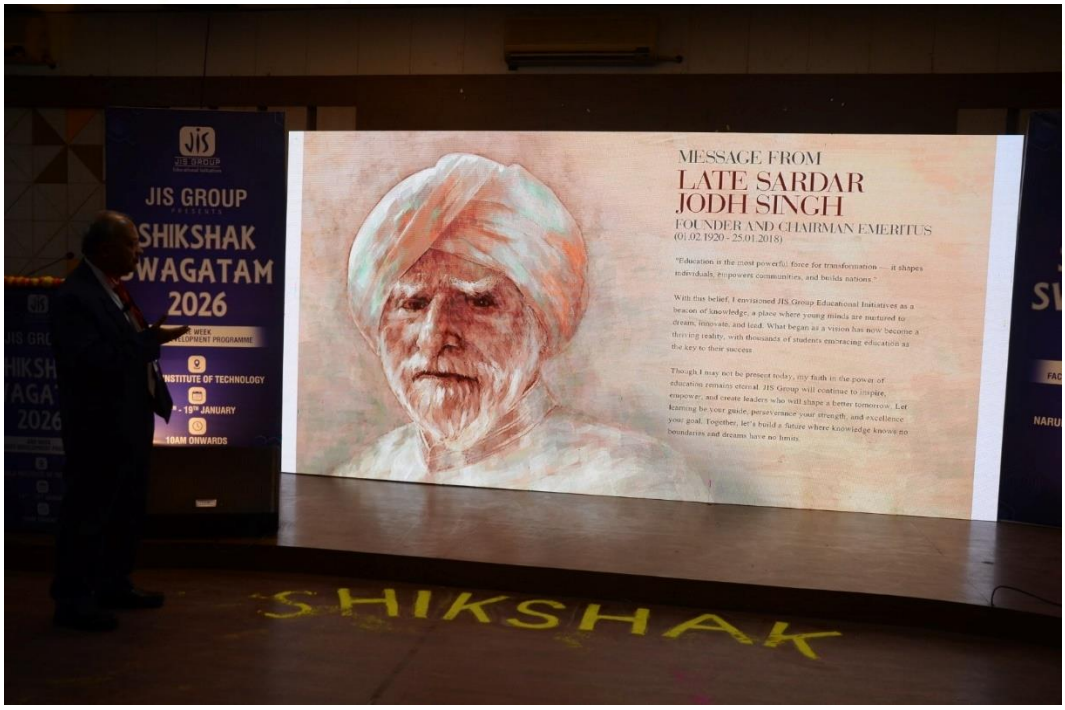
	Marcelline Salome Gomes, Somnath Chakraborty	Women Entrepreneurship in the 21st Century: Trends, Challenges, and Opportunities	Chyren	978-93-7143-075-3	Apr-26
	Marcelline Salome Gomes	The Architecture of Human Capital: Reimagining HRM for Strategy,People, and Performance	Chyren	978-93-7880-928-6	May-26
	Marcelline Salome Gomes, Somnath Chakraborty,Rupa Saha	Financial well-being and its impact on West Bengal economy	Crown	97 89370000 000	01-06-2026

Faculty Orientation Program

❖ Sikshak Swagatam: Faculty Development Programme Inaugurated at Narula Institute of Technology

SikshakSwagatam, the Faculty Development Programme of the JIS Group of Institutions, was inaugurated at Narula Institute of Technology with great enthusiasm and academic fervour. The programme welcomed over **225 faculty members** from across JIS Group institutions, fostering a spirit of collaborative learning and professional excellence. The inaugural session commenced with **Saraswati Vandana** and the celebration of **Makar Sankranti**, symbolising the harmonious blend of tradition and education. The event was graced by Taranjit Singh, Managing Director, JIS Group; Shankar Biswas, Joint Director, JIS Group; Neeraj Saxena, Pro-Chancellor, JIS University; Subhram Das, Principal-in-Charge, Narula Institute of Technology; and Nidhi Singh, Registrar, Narula Institute of Technology.The academic sessions featured insightful talks on educational initiatives, research methodology, publication ethics, digital teaching platforms, and outcome-based education, delivered by senior academic leaders and industry experts, including faculty from Indian Institute of Technology Kharagpur.

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JUSPAY
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Highest Package
27 LPA
Multiple Job Offers
75+
Average Package
5.00 LPA
Last Three Years Placement Percentage
88%
89%
90%


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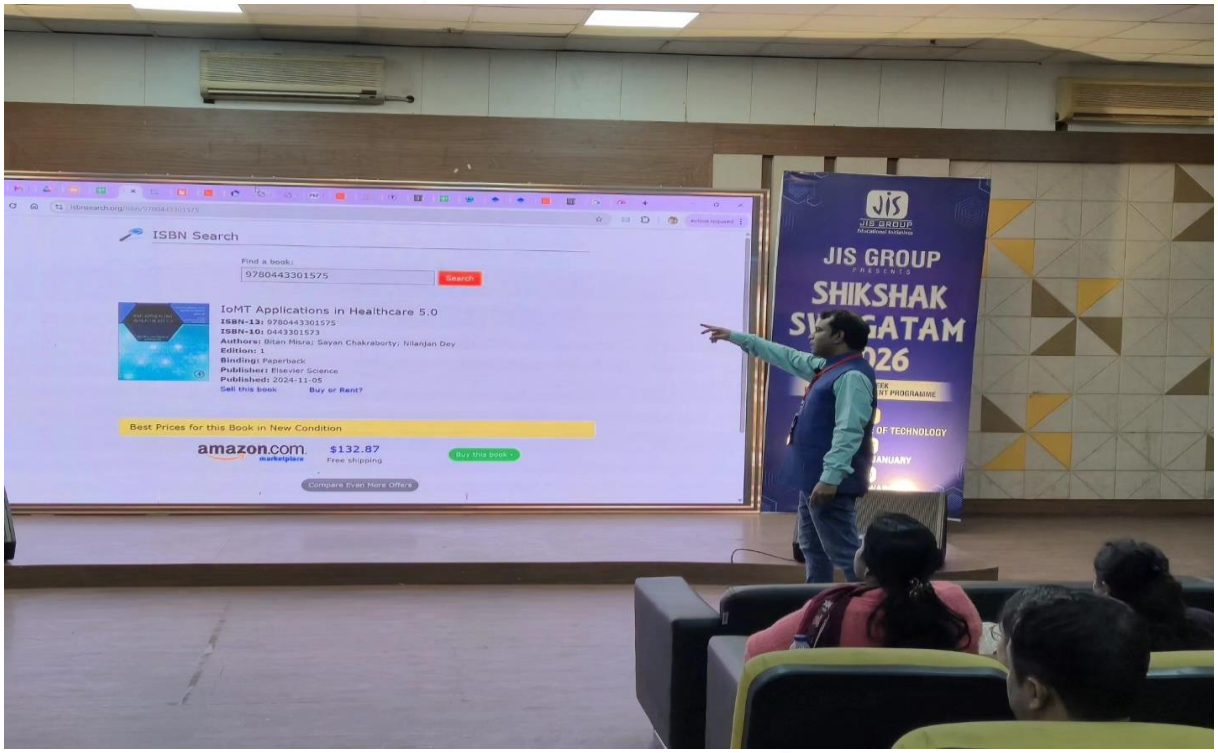
JUSPAY
EY
IBM
Schneider
27 LPA
5.00 LPA
88%
2022
89%
2023
90%
2024

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Chapter 6

STUDENT ADVANCEMENTS AND CAMPUS LIFE

INDUCTION PROGRAMME FOR 1ST YEAR STUDENTS

SWAGATAM 2K25

Narula Institute of Technology welcomed its new students through Swagatam 2026, the official Student Induction Programme designed to introduce them to the academic, cultural, and professional environment of the institute.

The multi-faceted programme featured vibrant cultural performances, engaging interactions with industry leaders, and academic felicitations. These experiences offered students an early glimpse into the holistic learning and growth opportunities at NiT.

As they begin their four-year journey, these young minds will develop technical expertise, participate in campus initiatives, nurture leadership skills, and take their first steps towards successful professional careers.




WE ♥ NIT
SWAGATAM 2026


SWAGATAM 2026
Narula Institute of Technology
SWAGATAM 2026


Agnimitra Paul
Narula Institute of Technology
SWAGATAM 2026


SWAGATAM


Dhono Dhanyo
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Narula Institute of Technology
SWAGATAM 2026
EMPOWERING THE LEADERS OF TOMORROW
INDUCTION PROGRAM FOR NEWCOMERS
Freshie Era
Campus Mode


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MEDIA COVERAGE



2 दैनिक जागरण, Jamshedpur, 14 August 2026

सनी देओल ने 'स्वागतम 2026' में किया संवाद

PIC: DAINIK JAGRAN I NEXT

नारुला इंस्टीट्यूट ऑफ टेक्नोलॉजी के इंडक्शन प्रोग्राम में कई दिग्गज हुए शामिल

KOLKATA (13 Aug) : कोलकाता के धनो धान्यो ऑडिटोरियम में नारुला इंस्टीट्यूट ऑफ टेक्नोलॉजी (एनआईटी) के 'स्वागतम 2026' इंडक्शन प्रोग्राम का आयोजन हुआ. जेआईएस ग्रुप की पहल के तहत आयोजित कार्यक्रम में नए बैच के स्टूडेंट्स का स्वागत किया गया. कार्यक्रम में पश्चिम बंगाल सरकार की मंत्री अग्निमित्रा पॉल, अभिनेता सनी देओल, फिल्म डायरेक्टर राजकुमार संतोषी, कार्डियोवैस्कुलर सर्जन डॉ. कुनाल सरकार, एमएकेएयूटी के कुलपति प्रो. तापस चक्रवर्ती, बेलूर मठ के स्वामी वेदातितानंद जी महाराज समेत जेआईएस ग्रुप और एनआईटी के वरिष्ठ अधिकारी शामिल हुए. सनी देओल ने स्टूडेंट्स से बातचीत करते हुए फिल्म इंडस्ट्री के अपने सफर के अनुभव साझा किए और अपनी आगामी फिल्म 'बटवारा 1947' के बारे में भी बताया.

360 डिग्री डेवलपमेंट का संदेश

कार्यक्रम में वक्ताओं ने स्टूडेंट्स को कॉन्फिडेंस, डिसिप्लिन, क्यूरियोसिटी और पॉजिटिव सोच के साथ नए अकादमिक सफर की शुरुआत करने के लिए मोटिवेट किया. वक्ताओं ने कहा कि हायर एजुकेशन सिर्फ पढ़ाई और एग्जाम तक सीमित नहीं है, बल्कि यह पर्सनैलिटी, वैल्यूज और लीडरशिप स्किल्स डेवलप करने का भी समय है. कार्यक्रम में कम्युनिकेशन, क्रिएटिविटी, इनोवेशन, टीमवर्क और सोशल रिस्पॉन्सिबिलिटी पर भी जोर दिया गया.

तैयार होंगे फ्यूचर प्रोफेशनल्स

जेआईएस ग्रुप के मैनेजिंग डायरेक्टर सरदार तरनजीत सिंह ने कहा कि एजुकेशन सिर्फ क्लासरूम और एग्जाम तक सीमित नहीं है. इसका उद्देश्य स्टूडेंट्स में कॉन्फिडेंस, कैरेक्टर और बदलती दुनिया के साथ आगे बढ़ने की क्षमता विकसित करना है. उन्होंने नए स्टूडेंट्स का स्वागत करते हुए उनके अकादमिक सफर को सीखने, ग्रोथ और नई उपलब्धियों से जोड़ने की उम्मीद जताई. फ्यूचर रेडी प्रोफेशनल

एक्टर सनी देओल ने स्टूडेंट्स से किया संवाद

PIC: DAINIK JAGRAN I NEXT

नारुला इंस्टीट्यूट ऑफ टेक्नोलॉजी के इंडक्शन प्रोग्राम में कई दिग्गज हुए शामिल

KOLKATA (13 Aug) : कोलकाता के धनो धान्यो ऑडिटोरियम में नारुला इंस्टीट्यूट ऑफ टेक्नोलॉजी (एनआईटी) के 'स्वागतम 2026' इंडक्शन प्रोग्राम का आयोजन हुआ. जेआईएस ग्रुप की पहल के तहत आयोजित कार्यक्रम में नए बैच के स्टूडेंट्स का स्वागत किया गया. कार्यक्रम में पश्चिम बंगाल सरकार की मंत्री अग्निमित्रा पॉल, अभिनेता सनी देओल, फिल्म डायरेक्टर राजकुमार संतोषी, कार्डियोवैस्कुलर सर्जन डॉ. कुनाल सरकार, एमएकेएयूटी के कुलपति प्रो. तापस चक्रवर्ती, बेलूर मठ के स्वामी वेदातितानंद जी महाराज समेत जेआईएस ग्रुप और एनआईटी के वरिष्ठ अधिकारी शामिल हुए, सनी देओल ने स्टूडेंट्स से बातचीत करते हुए फिल्म इंडस्ट्री के अपने सफर के अनुभव साझा किए और अपनी आगामी फिल्म 'बटवारा 1947' के बारे में भी बताया.

360 डिग्री डेवलपमेंट का संदेश

कार्यक्रम में वक्ताओं ने स्टूडेंट्स को कॉन्फिडेंस, डिसिप्लि और पॉजिटिव सो अकादमिक सफर क के लिए मोटिवेट कि कहा कि हायर एजु और एग्जाम तक बल्कि यह पर्सनैलि लीडरशिप स्किल्स भी समय है. कार्यक्रम क्रिएटिविटी, इनोवेश सोशल रिस्पॉन्सिबि दिया गया.

तैयार होंगे फ्यूच

जेआईएस ग्रुप के मै सरदार तरनजीत एजुकेशन सिर्फ एग्जाम तक सीमित उद्देश्य स्टूडेंट्स कैरेक्टर और बदल आगे बढ़ने की क्षमत है. उन्होंने नए स्टूडे करते हुए उनके अक सीखने, ग्रोथ और न जोड़ने की उम्मीद ज नए सेशन के लिए प डिग्री स्टूडेंट डेवलप रेडी प्रोफेशनल तैया को सामने रखा.

अभिनेता सनी देओल ने छात्र-छात्राओं को किया प्रेरित

महानगर में आयोजित कार्यक्रम में अभिनेता सनी देओल व अन्य। पत्रिका

कोलकाता. @ पत्रिका. जेआईएस समूह की शैक्षणिक इकाई नारुला इंस्टीट्यूट ऑफ टेक्नोलॉजी (एनआईटी) की ओर से धनो धान्यो ऑडिटोरियम में इंडक्शन 'स्वागतम 2026-27' का आयोजन किया गया। कार्यक्रम के माध्यम से नए विद्यार्थियों का स्वागत करते हुए उनके शैक्षणिक सफर की शुरुआत प्रेरणा, उद्योग जगत के अनुभव और सर्वांगीण विकास के अवसरों के साथ की गई। कार्यक्रम में शहरी विकास एवं नगरपालिका मामलों की प्रभारी मंत्री अग्निमित्रा पॉल, अभिनेता सनी देओल, फिल्म निर्देशक, निर्माता एवं पटकथा लेखक राजकुमार संतोषी, कार्डियोवैस्कुलर एवं थोरेसिक उत्कृष्टता, नवाचार, नेतृत्व, मूल्यों और वास्तविक दुनिया के अनुभव को विद्यार्थियों के भविष्य की तैयारी के लिए महत्वपूर्ण बताया। नए विद्यार्थियों को अतिथियों ने उन्हें आत्मविश्वास, हहता, अनुशासन, जिज्ञासा और खुले परिदृश्य के साथ नए अध्याय की शुरुआत करने के लिए प्रेरित किया। उन्होंने कहा कि उच्च शिक्षा केवल शैक्षणिक उपलब्धियों तक सीमित नहीं है, बल्कि यह व्यक्तित्व, मूल्यों, नेतृत्व क्षमता और पेशेवर आकांक्षाओं को आकार देने वाला परिवर्तनकारी दौर भी है।कार्यक्रम में विद्यार्थियों को पारंपरिक कक्षा शिक्षा से आगे विभिन्न क्षेत्रों को जानने और समझने के अवसर उपलब्ध कराने

एनआईटि'र नवीन बरणे सानि

३७९ दिन। जि.आई.एस ग्रुपर उद्योग नारुला परिचालक राजकमार सन्तोषीर साथे ष्वरावि ওয়ারা

...रुला इंस्टीट्यूट ऑफ टेक्नोलॉजी के 'स्वागतम 2026' को...

6 दैनिक जागरण, Patna, 14 August 2026

सनी देओल ने स्टूडेंट्स से किया संवाद, दिए टिप्स

नारुला इंस्टीट्यूट ऑफ टेक्नोलॉजी में इंडक्शन प्रोग्राम

patna@inext.co.in

PATNA (13 AUG): दिग्गजों की मौजूदगी में नए सेशन की शुरुआत : कोलकाता के धनो धान्यो ऑडिटोरियम में नारुला इंस्टीट्यूट ऑफ टेक्नोलॉजी (एनआईटी) के 'स्वागतम 2026' इंडक्शन प्रोग्राम का आयोजन हुआ. जेआईएस ग्रुप की ओर आयोजित कार्यक्रम में नए बैच के स्टूडेंट्स का स्वागत किया गया. कार्यक्रम में बंगाल सरकार की मंत्री अग्निमित्रा पॉल, एक्टर सनी देओल, फिल्म डायरेक्टर राजकुमार संतोषी, कार्डियोवैस्कुलर सर्जन डॉ. कुनाल सरकार, एमएकेएयूटी के कुलपति प्रो. तापस चक्रवर्ती, बेलूर मठ के स्वामी वेदातितानंद जी महाराज जेआईएस ग्रुप और एनआईटी के वरिष्ठ अधिकारी शामिल हुए.

शिक्षा से आगे बढ़कर तैयार होंगे फ्यूचर प्रोफेशनल्स

जेआईएस ग्रुप के मैनेजिंग डायरेक्टर सरदार तरनजीत सिंह ने कहा कि एजुकेशन सिर्फ क्लासरूम और एग्जाम तक सीमित नहीं है. इसका उद्देश्य स्टूडेंट्स में कॉन्फिडेंस, कैरेक्टर और बदलती दुनिया के साथ आगे बढ़ने की क्षमता विकसित करना है. उन्होंने नए स्टूडेंट्स का स्वागत करते हुए उनके अकादमिक सफर को सीखने, ग्रोथ और नई उपलब्धियों से जोड़ने की उम्मीद जताई. कार्यक्रम ने नए सेशन के लिए एनआईटी के 360 डिग्री स्टूडेंट डेवलपमेंट और फ्यूचर रेडी प्रोफेशनल तैयार करने की दिशा को सामने रखा.

नारुला इनस्टिटिउट अफ टेकनोलजिर स्वागतम-२०२... इन्डाकशन प्रोग्रामेर अनुष्ठाने अभिनेता सानि देओल

बनि सिंह

जेआईएस ग्रुपर एकटि शिक्षामूलक उद्योग नारुला इनस्टिटिउट अफ टेकनोलजि (एनआइटि) तार २०२६-२०२७ शिक्षाबर्षेर इन्डाकशन प्रोग्रामेर आयोजन करलेन बुधबार कलकाताय धनधान्य अडिटोरियामे। शिक्षागत ... एवं सामाजिक विकाशे प्रतिश्रुतिबद्ध एई ...टिउट। नतुन ब्याचेर शिक्षार्थीदेर ...दिनेर स्वागत जानानो हय एदिन। एदिन ... अलंकृत करेन पश्चिमबङ्ग सरकारेर ...मन्त्री अग्निमित्रा पाल एछाड़ा एदिनेर ...आकर्षण छिल प्रख्यात अभिनेता सानि ... उपस्थित छिलेन चलचित्र परिचालक ओ ... राजकुमार सन्तोषी, जिआईएस ग्रुपेर ...पना परिचालक सर्दार तरञ्जिৎ सिং, উপ

नारुला इंस्टीट्यूट में "स्वागतम 2026" सनी देओल ने छात्रों की हौसला अफजाई की

सनी देओल ने नरूला इंस्टीट्यूट ऑफ़ टेक्नोलॉजी के 'स्वागतम 2026' में छात्रों को किया प्रेरित



कोलकाता। जेआईएस ग्रुप की एक एजुकेशनल पहल, नरूला इंस्टीट्यूट ऑफ़ टेक्नोलॉजी (नीट) ने - जो एकेडमिक एक्सीलेंस और सर्वांगीण विकास के लिए प्रतिबद्ध है - कोलकाता के धन धान्यो ऑडिटोरियम में अपना इंडक्शन प्रोग्राम 2026-27 आयोजित किया। इस प्रोग्राम में छात्रों के नए बैच का स्वागत किया गया और प्रेरणा, इंडस्ट्री के अनुभव और सर्वांगीण विकास के अवसरों के साथ उनकी एकेडमिक यात्रा की शुरुआत हुई। इस प्रोग्राम में सार्वजनिक जीवन, शिक्षा, हेल्थकेयर, सिनेमा, आध्यात्मिकता और इंडस्ट्री से जुड़ी जानी-मानी हस्तियां शामिल हुईं। खास मेहमानों में पश्चिम बंगाल सरकार में शहरी विकास और नगरपालिका मामलों की कैबिनेट मंत्री श्रीमती अग्निमित्रा पॉल; मशहूर भारतीय अभिनेता सनी देओल; मशहूर फिल्म डायरेक्टर, प्रोड्यूसर और स्क्रीनराइटर राजकुमार संतोषी; कार्डियोवैस्कुलर और थोरेसिक सर्जरी के डायरेक्टर और सीनियर कंसल्टेंट डॉ. कुणाल सरकार; मौलाना अबुल कलाम आज़ाद यूनिवर्सिटी ऑफ़ टेक्नोलॉजी (मकाउत), पश्चिम बंगाल के वाइस-चांसलर प्रो. तापस चक्रवर्ती; बेलूर मठ के स्वामी वेदतितानंद जी महाराज; जेआईएस ग्रुप के मैनेजिंग डायरेक्टर सरदार तरनजीत सिंह; जेआईएस ग्रुप के डिप्टी मैनेजिंग डायरेक्टर सरदार अमरीक सिंह; जेआईएस ग्रुप के डायरेक्टर सरदार सिमरप्रीत सिंह; जेआईएस ग्रुप के ट्रस्टी सरदार हरिंदर पाल सिंह और नरूला इंस्टीट्यूट ऑफ़ टेक्नोलॉजी के प्रिंसिपल प्रो. (डॉ.) सुभ्रम दास के साथ-साथ जेआईएस ग्रुप और नरूला इंस्टीट्यूट ऑफ़ टेक्नोलॉजी का सीनियर मैनेजमेंट शामिल था। इस प्रोग्राम की एक खास बात सनी देओल की मौजूदगी थी, जिन्होंने छात्रों से बातचीत की और भारतीय फिल्म इंडस्ट्री में अपनी शानदार यात्रा के बारे में अपने अनुभव साझा किए। उन्होंने अपनी आने वाली फिल्म 'बंटवारा 1947' के बारे में भी बात की। छात्रों के साथ उनकी बातचीत ने इंडक्शन प्रोग्राम को एक अनोखा आयाम दिया, जिससे युवा दर्शकों को एक मशहूर हस्ती से जुड़ने और उनके अनुभवों और यात्रा से प्रेरणा लेने का मौका मिला। मकाउत, जादवपुर यूनिवर्सिटी और कलकत्ता यूनिवर्सिटी के जाने-माने एकेडमिक लीडर्स के साथ-साथ सिनेमा, हेल्थकेयर, आध्यात्मिकता और इंडस्ट्री की कामयाब हस्तियों की मौजूदगी ने शिक्षा के प्रति बहुआयामी दृष्टिकोण के महत्व को और मजबूत किया। नए छात्रों को संबोधित करते हुए, खास मेहमानों ने उन्हें आत्मविश्वास, दृढ़ता, अनुशासन, जिज्ञासा और खुले दिमाग के साथ इस नए अध्याय को अपनाने के लिए प्रोत्साहित किया। उन्होंने इस बात पर ज़ोर दिया कि हायर एजुकेशन सिर्फ़ एकेडमिक अचीवमेंट से कहीं ज़्यादा है; यह एक ऐसा बदलाव लाने वाला दौर है जो व्यक्तित्व, मूल्यों, लीडरशिप क्षमताओं और प्रोफेशनल लक्ष्यों को आकार देता है। यह प्रोग्राम छात्रों के सर्वांगीण विकास (360-डिग्री डेवलपमेंट) के प्रति निट की मजबूत प्रतिबद्धता को दर्शाता है, जो सीखने वालों को पारंपरिक क्लासरूम शिक्षा से परे अलग-अलग क्षेत्रों को जानने के अवसर देता है। कामयाब हस्तियों, इंडस्ट्री लीडर्स, इनोवेटर्स, शिक्षाविदों और विचारकों से मिलने-जुलने का मकसद छात्रों के नजरिए को व्यापक बनाना और उन्हें आत्मविश्वास से भरे, हालात के अनुसार ढलने वाले और भविष्य के लिए तैयार प्रोफेशनल्स बनने में मदद करना है। इस मौके पर बोलते हुए, जेआईएस ग्रुप के मैनेजिंग डायरेक्टर सरदार तरनजीत सिंह ने कहा, इंडक्शन प्रोग्राम हमारे छात्रों के लिए एक रोमांचक नए अध्याय की शुरुआत है। जेआईएस ग्रुप में, हमारा मानना है कि शिक्षा क्लासरूम और परीक्षाओं से कहीं आगे की चीज़ है; यह आत्मविश्वास, चरित्र, जिज्ञासा और तेज़ी से बदलती दुनिया में आगे बढ़ने की क्षमता विकसित करने के बारे में है। हमें अपने नए छात्रों का स्वागत करते हुए खुशी हो रही है और उम्मीद है कि नरूला इंस्टीट्यूट ऑफ़ टेक्नोलॉजी में उनका सफ़र खोज, विकास और सार्थक उपलब्धियों से भरा होगा। प्रोग्राम में एकेडमिक एक्सीलेंस के साथ-साथ कम्युनिकेशन, क्रिएटिविटी, लीडरशिप, इनोवेशन, सहयोग और सामाजिक ज़िम्मेदारी को बढ़ावा देने के महत्व पर भी ज़ोर दिया गया। 'स्वागतम 2026' ने नए एकेडमिक सेशन के लिए एक प्रेरणादायक और ऊर्जावान माहौल तैयार किया, जिसमें छात्रों का जेआईएस खक्स ग्रुप के व्यापक इकोसिस्टम में स्वागत किया गया और उन्हें सीखने, इनोवेशन, सहयोग, मूल्यों और व्यक्तिगत बदलाव पर केंद्रित शैक्षिक माहौल से परिचित कराया गया। प्रोग्राम का समापन नरूला इंस्टीट्यूट ऑफ़ टेक्नोलॉजी की ओर से भविष्य के लिए तैयार प्रोफेशनल्स और ज़िम्मेदार नागरिकों को तैयार करने के नए संकल्प के साथ हुआ, जो न केवल ज्ञान और तकनीकी कौशल से लैस हों, बल्कि आत्मविश्वास, चरित्र, क्रिएटिविटी और समाज के प्रति ज़िम्मेदारी की मज़बूत भावना भी रखते हों।

জেআইএস-এনআইটি-এর 'স্বাগতম' অনুষ্ঠানে সানি দেওল, অগ্নিমিত্রা পাল







নারুলা ইনস্টিটিউট অফ টেকনোলজির 'ইন্ডাকশন প্রোগ্রাম ২০
গ্রুপের এমডি সর্দার তরণজিৎ সিং, ডেপুটি এমডি সর্দার অমরি
সিং, সর্দার সিমরপ্রীত সিং। বুধবার ধনধান্য অডিটোরিয়ামে।

...নদের স্বাগত জানাতে নরুল... দওল, পড়ুয়াদের অগ্নিমিত্রা...



নতুন শিক্ষাবর্ষে ...কে স্বাগত জানাল

তাপস চক্রবর্তী, বেদতিতানন্দজি

বেলুড় মঠের স্বামী মহারাজ এবং

তিনি। তাঁর আগামী ছবি 'বটওয়ারা ১৯৪৭' নিয়েও পড়ুয়াদের সঙ্গে কথা

...ন ने युवाओं को किय...



एनआईटी के कार्यक्रम में पहुंचे सनी देओल

...किये. उन्होंने अपनी आगामी फिल्म 'बंटवारा 1947' के बारे में भी चर्चा की.

शिक्षा केवल क्लासरूम तक सीमित नहीं: तरनजीत सिंह : जेआइएस ग्रुप के प्रबंध निदेशक तरनजीत सिंह ने कहा कि यह इंडक्शन प्रोग्राम

Sunny Deol inspires students at NiT's Swagatam 2026

STATESMAN NEWS SERVICE
Kolkata, 12 August

Narula Institute of Technology (NiT), a JIS Group Educa... Initiative, committ... academic excellence and... development, hoste... Induction Programme 20... at the Dhono Dh... Auditorium, Kolkata... programme welcome... new batch of student... marked the beginning o... academic journey.

Agnimitra Deol, who interacted with the students and shared insights from his remarkable journey in the Indian film industry.

एनआईटी के स्वागतम में शामिल हुए सनी देओल



...ষ্টটিউটের স্বাগতম অনুষ্ঠানে সানি দেওল



অভিজ্ঞতা ও জীবনের যাত্রা থেকে অনুপ্রেরণা নেওয়ার সুযোগ পান।

MAKAUT, যাদবপুর বিশ্ববিদ্যালয় ও কলকাতা বিশ্ববিদ্যালয়ের বিশিষ্ট শিক্ষাবিদদের পাশাপাশি চলচ্চিত্র, বলেন, উচ্চশিক্ষা শুধুমাত্র অ্যাকাডেমিক সাফল্যের মধ্যে সীমাবদ্ধ নয়, এটি এমন একটি রূপান্তরমূলক পর্যায়, যা একজন শিক্ষার্থীর ব্যক্তিত্ব, মূল্যবোধ, নেতৃত্বদানের সক্ষমতা আর পেশাগত আকাঙ্ক্ষাকে গড়ে তুলতে অনুষ্ঠানে বক্তব্য রাখতে গিয়ে জেআইএস গ্রুপের ম্যানেজিং ডিরেক্টর সরদার তরণজিৎ সিং বলেন, 'ইন্ডাকশন প্রোগ্রাম আমাদের শিক্ষার্থীদের জীবনে এক নতুন ও উত্তেজনাপূর্ণ অধ্যায়ের সূচনা করে। জেআইএস গ্রুপে আমরা বিশ্বাস করি, শিক্ষা শুধুমাত্র শ্রেণিকক্ষ ও পরীক্ষার মধ্যে সীমাবদ্ধ নয়, বরং আত্মবিশ্বাস, চরিত্র, কৌতূহল আর দ্রুত পরিবর্তনশীল বিশ্বের সঙ্গে মানিয়ে নেওয়ার সক্ষমতা গড়ে তোলাই শিক্ষার মূল উদ্দেশ্য। আমাদের নতুন শিক্ষার্থীদের স্বাগত জানাতে পেরে আমরা অত্যন্ত আনন্দিত আর আশা করি, নারুলা ইনস্টিটিউট অফ টেকনোলজিতে তাঁদের যাত্রা আবিষ্কার, বিকাশ আর অর্থপূর্ণ সাফল্যে পরিপূর্ণ হবে।'

অনুষ্ঠানে অ্যাকাডেমিক ঔৎকর্ষের পাশাপাশি যোগাযোগ দক্ষতা, সৃজনশীলতা, নেতৃত্ব, উদ্ভাবন, সহযোগিতার মানসিকতা আর সামাজিক দায়বদ্ধতার বিকাশের ওপরও বিশেষ গুরুত্ব দেওয়া হয়। বিশিষ্ট ব্যক্তিত্বদের সঙ্গে শিক্ষার্থীদের মতবিনিময় তাঁদের অধ্যবসায়, উচ্চাকাঙ্ক্ষা, নেতৃত্ব আর দৃঢ় সংকল্পের সঙ্গে নিজেদের লক্ষ্য ও স্বপ্ন পূরণের গুরুত্ব নিয়ে মূল্যবান দৃষ্টিভঙ্গি দেয়।

স্বাগতম ২০২৬ নতুন শিক্ষাবর্ষের জন্য এক অনুপ্রেরণামূলক ও প্রাণবন্ত পরিবেশের সূচনা করে। এর মাধ্যমে শিক্ষার্থীদের বৃহত্তর JIS Group পরিবারের সঙ্গে পরিচয় করিয়ে দেওয়া হয় আর তাঁদের এমন একটি শিক্ষাব্যবস্থার অংশ করে তোলা হয়, যা শিক্ষা, উদ্ভাবন,

...ী শহরী ...মলোঁ কী ...ত্রা পॉল, ...ী দেওল, ...র্গতা और ...জকুমার ...সর্জরী के ...কার ডাঁ. ...ল কলাম ...গ্রালয় के ...বেলুর মঠ ...মহারাজ, ...ডায়রেক্টর ...ী মৈনেজিং ...ক সিংহ, ...ংহ, ট্রস্টী ...র নারুলা

ইংস্টীট্যুট ऑफ টেক্নোলॉজী के प्रिंसिपल प्रो. (डॉ.) शुभ्रम दास सहित जेआईएस ग्रुप और छळढ के वरिष्ठ प्रबंधन के सदस्य शामिल थे। कार्यक्रम का मुख्य आकर्षण सनी देओल की उपस्थिति रही। उन्होंने छात्रों से संवाद किया और भारतीय फिल्म उद्योग में अपनी शानदार यात्रा के अनुभव साझा किए। उन्होंने अपनी आगामी फिल्म 'बंटवारा 1947' के बारे में भी बात की। छात्रों के साथ उनकी बातचीत ने इंडक्शन प्रोग्राम को एक खास आयाम दिया और युवाओं को एक प्रसिद्ध हस्ती से जुड़ने और उनके अनुभवों से प्रेरणा लेने का अवसर दिया।

❖ STUDENTS PUBLICATIONS

Department	Category	Paper / Patent Title	Students as Authors / Inventors (count)	Status	Indexing	Journal / Conference / Book Name	Authors / Inventors	Month, Year (latest in source)
CSE (AI & ML) (AIML)	Journal	Enhancing Trust and Transparency in Fraud Detection: From Machine Learning to Explainable AI	4	Accepted	SCOPUS	Sigma Journal of Engineering and Natural Sciences	Tathagata Chatterjee, Sagarika Chowdhury, Shreya Mitra, Piuli Saha, Srinjoy Mitra, Akash Maity, and Rajat Kumar Pal	Jan 2026
CSE (AI & ML) (AIML)	Journal	Fake News Detection Using Hybrid Style-Based and Evidence-Aware Contextual Models	4	Submitted	SCOPUS	Songklanakarin Journal of Science and Technology (SJST)	Alok Nath Pal, Tanmoy Ghosh, Dishani Roy, Srinjay Dasgupta, Bismit Bhawal, Anuroop Paul, Bhumika Das	Jan 2026
CSE (AI & ML) (AIML)	Conference	Integrating Explainable AI in Smart Farming for Transparent Crop Recommendation and Market Analysis	2	Published		ACROSET-2025	Rishav Bairagya, Sagarika Chowdhury, Tathagata Chatterjee, Arpan Das, and Prianka Dey	Dec 2025
CSE (AI & ML) (AIML)	Conference	Sign Language to Spoken Language Translation: A Comprehens	4	Published		SSITCON 2025 2nd International Conference on	Soham Hait, Souma Das, Soupayan Ghosh, Anusree Bag, Tathagata	22nd Jan, 2026

		ive Survey of Models and Techniques				Software, Systems and Information Technology	Chatterjee, Sagarika Chowdhury	
CSE (AI & ML) (AIML)	Conference	Identification Techniques of the Initial Phase of Alzheimer's Disease Built on Machine Learning Methods	4	Published		International Conference on Web 6.0 and Industry 6.0	Mainak Chatterjee, Sagarika Chowdhury, Arunava Banerjee, Sachin Sen & Manik Khan	Jan 2026
CSE (AI & ML) (AIML)	Conference	A review on analysis for responsive intentional assessment	6	Published		ISACS 2024	Rishav Bairagya, Souma Das, Soham Hait, Sarthak Dutta, Soupayan Ghosh, Tripti Kumari, Tanmoy Ghosh, Sagarika Chowdhury, Pushpita Roy	Nov 2025
CSE (AI & ML) (AIML)	Conference	Face Recognition Lock System in Lift Using IoT	4	Published		CICBA-2025	Pritam Baidya, Aniruddha Sen, Atanu Majumdar, Shwon Ghosh, Prianka Dey, Sagarika Chowdhury, Swarnali Daw, Ratul Chowdhury	21st May, 2026
CSE (AI & ML) (AIML)	Conference	Enhancing Disease Prediction using Advanced Machine Learning Algorithms	4	Published		CICBA-2025	Subham Dubey, Deba Ghosh, Akash Dey, Sreerupa Banik, Sagarika Chowdhury, and Prianka Dey	Apr 2026

CSE (AI & ML) (AIML)	Conference	Fraud Unmasked: Leveraging Explainable AI for Transparent Detection Systems	4	Published		EDCT-2025	Shreya Mitra, Piuli Saha, Srinjoy Mitra, Akash Maity, Sagarika Chowdhury, and Tathagata Chatterjee	May 2026
CSE (AI & ML) (AIML)	Conference	Financial Time Series Prediction with Hybrid Deep Learning Models	4	Published		EDCT-2025	Anuska Mridha, Sannidhi Maity, Aaditya Kumar Aagarwal, Devansh Shrivastwa, Tathagata Chatterjee, and Sagarika Chowdhury	May 2026
CSE (AI & ML) (AIML)	Conference	Real Time Depression Prediction Using Machine Learning	4	Published		IESIA 2025	Lekhan Roy (L), Niladri Kandar, Ritam Karmakar, Soham Ghosh, Sagarika Chowdhury	1st April, 2026
CSE (AI & ML) (AIML)	Conference	Empowering Emotion Detection in Bengali Speech with Hybrid Neural Networks	4	Presented		ICDMIS 2025	Sohini Mukherjee, Soumyadeep Dey, Suman Kayal, Sirsha Dey, Sagarika Chowdhury	Oct 2025
CSE (AI & ML) (AIML)	Conference	Integrative Machine Learning for Early Diagnosis and Prognosis of Cystic	4	Published		SSITCON-2025	Mukesh kumar, Sankalp Pandey, Shreya Bania, Pratham Khandelwal, Dishani Roy, Tanmoy Ghosh	JANUARY , 2026
CSE (AI & ML) (AIML)	Conference	Survey on Multimodal Approaches for Lung Cancer Prediction	4	Published		SSITCON-2025	Jayita Dey, Sneha Acharjee, Soura Pratim Roy, Prasun Pan, Tanmoy	JANUARY , 2026

		From Radiomics to Genomicsaper					Ghosh, Dishani Roy	
CSE (AI & ML) (AIML)	Conference	A Comprehensive Review of Reinforcement Learning Approaches for Automated Rubik's Cube Solving	4	Published		SIGNAS S2026	Tanushree Brajabasi, Kishalay Bairagi, Gopal Pramanik, Subhrotosh Chakraborty, MD Ariyan, Arkanil Karchaudhuri	Apr 2026
CSE (AI & ML) (AIML)	Conference	A Survey on Artificial Intelligence Approaches for Mental Health Assessment Using NLP and Cognitive Biometrics	4	Submitted		International Conference on AI and Security for Industrial IoT Systems AI-SIIS 2026	Tanmoy Ghosh, Dishani Roy, Debonil Sarkar, Gourav Acharjee, Barshan Kundu, Arkanil Karchaudhuri	Feb 2026
CSE (AI & ML) (AIML)	Conference	Decoding Minds Through Handwriting – Multi-Modal Handwriting Analysis to Detect Anxiety and Depression	2	Published		SIGNAS S2026	Parthasarathi De,Pushpita Roy,Tanushka Das,Deblina Goswami	Nov 2025
CSE (AI & ML) (AIML)	Conference	Real-Time Driver Drowsiness Detection System Using Eye and Mouth Aspect Ratios	3	Published		SIGNAS S2026	Parthasarathi De,Sagarika Chowdhury, Swastik Biswas,Debasmita Basak,Sreyanshi Das	21st April, 2026
CSE (AI & ML) (AIML)	Conference	Transforming Agricultural Disease Surveillance through ML–IoT Systems Empowered	4	Published		CCIC-2026	Sailaswar Mahanta, Anirban Guha Roy, Soumyadip Mohanta, Pintu	Apr 2026

		by xAI Interpretability					Mondal, Tathagata Chatterjee, and Ritwika Mukherjee	
CSE (AI & ML) (AIML)	Conference	Conversational AI in Medicine: Exploring the Role of Chatbots in Modern Healthcare	4	Published		CINE-2026	Suprabhat Adhikari, Sarthak Patra, Rishab Shaw, Shweta Maurya, Tathagata Chatterjee, and Jayita Pal	Jun 2026
CSE (AI & ML) (AIML)	Conference	Transfer Learning-based Deep Feature Extraction with XGBoost and xAI for Melanoma Detection	4	Published		IATMSI-2026	Ritwika Mukherjee, Shilpa Roy, Kushal Mondal, Swastik Nayek, Anish Halder, and Tathagata Chatterjee	Apr 2026
CSE (AI & ML) (AIML)	Conference	From Data to Decisions : A Survey of Machine Learning Techniques for Stock Market Prediction	4	Submitted		IEEE 6th International Conference on Computing, Power, and Communication Technologies	Ankush Bhattacharjee, Bappaditya Sinha, Romit Singh, Tathagata Chatterjee, Promita Dey	
CSE (AI & ML) (AIML)	Conference	SparseSpy : An Integrated Digital Forensic Framework for Detecting Online fraud and Malicious Activities on Social Media	4	Accepted		ICDMIS 2026	Alok Nath Pal, Parthasarathi De ,Kishalay Bairagi, Prince Raj,Isha Saha,Ayush Yadav,Ankit Das	May 2026

CSE (AI & ML) (AIML)	Conference	Crop Disease Detection Using Convolutional Neural Network	4	Submitted		WIN 6.0	Priyanshu Chakraborty , Priyanshu Halder , Shirshendu Sarkar , Debasissh Guha , Sagarika Chowdhury , Tanmoy Ghosh , Dishani Roy	May , 2026
CSE (AI & ML) (AIML)	Conference	Edge AI-Powered Real-Time Arrhythmia Detection: Ad-Vancements and Future Directions	4	Published		Intelligent Electrical Systems and Industrial Automation	Debajyoti Das, Sayandeep Paria, Shreya Ghosh, Anurag Singh, Jayita Pal & Tathagata Chatterjee	Apr 2026
CSE (AI & ML) (AIML)	Book Chapter	FUSE-FN: Hybrid Fake News Detection with Style-Based Classication and Evidence Verication	4	Accepted	SCOPUS	CIIR 2026	Srinjoy Dasgupta,Bismit Bhawal,Bhumika DSas,Anuroop Pal,Alok Nath Pal, Dr.Parthasarathi De,Pratap Chandra Roy	Mar 2026
CSE (AI & ML) (AIML)	Book Chapter	Leveraging Speech, Gait and Bioelectrical Signals for Early Alzheimer's Disease Detection: A Review	4	Published	ISBN	2nd International Conference on Recent Advancement in the field of Engineering and Technology(RAFET 2026)	Arkaprava Jana, Aniruddha Das, Anup Mondal, Anwesha Neogy, Sagarika Chowdhury, Mouli Das, Alok Nath Pal	May 2026

CSE (AI & ML) (AIML)	Book Chapter	Transforming Huntington's Disease Research with Machine Learning and Deep Learning Techniques."	4	Published	SCOPUS	2nd International Conference on Computational Intelligence and Information Retrieval (CIIR 2025)	Abhradip Mandal, Atanu Ghosh, Aman Kumar, Srijan Samanta, Dishani Roy, Tanmoy Ghosh, and Papri Ghosh.	Jan 2026
CSE (AI & ML) (AIML)	Book Chapter	SVEMI: An Innovative Method for PCOS Detection Using an Adapted Ensemble Machine Learning Approach.	4	Published	SCOPUS	Doctoral Symposium on Human Centered Computing 2025	Dishani Roy, Papri Ghosh, and Subhram Das	Jan 2026
CSE (AI & ML) (AIML)	Book Chapter	The Function of Ensemble Methods for ISA-based disease detection	4	Published	SCOPUS	2nd International Conference on Computational Intelligence and Information Retrieval (CIIR 2025)	Satadru Naskar, Rohit Raha, Parthib Mondal , Promit Paul , Rohit Raha , Dishani Roy, Tanmoy Ghosh, Sagarika Chowdhury	Jan 2026
CSE (AI & ML) (AIML)	Patent	Blueprint of the Automated E-Commerce Inventory Management System with Real-Time Stock Tracking and Reorder Alerts	2	Published			Dr. Sagarika Chowdhury, Prianka Dey, Bikram Koley, Sayan Bera	Apr 2026

CSE (AI & ML) (AIML)	Patent	STU-GUARD : A Smart Dashcam-Driven Platform for Automated Student Boarding Verification and Monitoring	4	Published			Arshia Saha ,Snigdha Dey ,Harsh Kumar Thakur, Arkanil Karchaudhuri ,Tanmoy Ghosh, Aloknath Pal, Dishani Roy	May 2026
CSE (AI & ML) (AIML)	Patent	A STAND-ALONE EAR-BASED WEARABLE SYSTEM FOR SIGN LANGUAGE DETECTION AND SPEECH SYNTHESIS	3	Published			Soumodipta Sarkar, Sagnik Basu, Jishnu Paul, Dishani Roy, Tanmoy Ghosh, Dr. Parthasarathi De	May 2026
CSE (AI & ML) (AIML)	Patent	IoT-Enabled Greenhouse Roof Ventilation System with Synchronized Fan Control and Rain Override Mechanism	4	Filed			Ms. Anushka Mazumdar, Mr. Sayan Banerjee, Mr. Ronik Chatterjee, Mr. Rajrup Das, Ms. Jayita Pal, Mr. Tathagata Chatterjee, Ms. Swarnali Daw	Apr 2026
Business Administration (BA)	Journal	ESG Practices in Indian Firms: A Systematic Literature Review	2	Published	NON INDEXED	IJARSCT	Marcelline Salome Gomes , Somnath Chakraborty , Simran Duley , Chandrani Banerjee	26/06/2026.
Business Administration (BA)	Conference	Holistic Health and Well-Being: Integrating Mind, Body, and Spirit for Sustainable Human Development	2	Not stated		International Conference on Interfaith Dialogue & Human Enrichm	Dr.Sriparna Guha,Saniya Khan,Mahima Shaw	Accepted for publication

						ent (CIH-2026)		
Business Administration (BA)	Book Chapter	Impact of Climate Change on Eco System: Case Study Based on East Kolkata Wetland	2	Published	NON INDEXED	A Handbook on Environmental Crisis and its Management through Multidisciplinary Approach (Vol.III)	Marcelline Salome Gomes, Pitamber Kumar Singh, Somnath Chakraborty, Nikhilesh Sil,Dipanjan Biswas	Apr 2026
Business Administration (BA)	Patent	Smart Agriculture Monitoring System	5	Published			1. Mr. Sourav Pal, Student 2. Mr. Sanu Mondal, Student 3. Ms. Solanki Singha, Student 4. Mr. Aritra Ghosh, Student, 5. Mr. SK Nasim Ali, Student, 6. Ms. Suseta Datta, Faculty, 7. Mrs. Subhasree Bhattacharjee, 8. Ms. Marcelline Salome Gomes,	April
Basic Science & Humanities (BSHU)	Conference	Innovative Irrigation Technologies and Their Role in Sustainable Agricultural Water Management	2	Presented		1 st International Conference on Advancement of Intelligent Computing in	Debrupa Pal, Debopriya Dey, Pranjal Das, Abhipriya Halder, Dhruba Das Judge	Dec 2025

						Data Analysis and Knowledge Discovery		
Basic Science & Humanities (BSHU)	Conference	Sustainable Hydrogen Through Biological Systems: Current Trends in Production and Storage Solutions	3	Published		International Conference on Sustainable Technology in Energy and Power Systems (2025)	Sreyasree Basu, Indrajit Bhattacharjee, Mainak Debnath, Sarbani Ganguly, Kamalika Banerjee,Dhanajay Kr. Tripathi	Apr 2026
Basic Science & Humanities (BSHU)	Conference	OPTICS–Fuzzy Intuitionistic Modeling for Robust Image Denoising	3	Presented		International Conference on Signal Analysis for Smart Systems (SIGNASS-2026),	Ritika Dhar, Aritra Bandyopadhyay, Shilpi Pal, Shubhendu Banerjee, Divyaansi Singh, Ankesh Samanta, Samrat Talukdar.	Apr 2026
Basic Science & Humanities (BSHU)	Conference	Handwritten Digit Recognition using Machine Learning	4	Published		EDCT2025	Debrupa Pal, Mrinmay Guria, Debopriya Dey,	Apr 2026
Basic Science & Humanities (BSHU)	Conference	Exploring Predictive Models for Lung Cancer: A Machine Learning perspective	3	Published		STEPCON2025	Debrupa Pal, Debopriya Dey,Mrinmay Guria	Apr 2026
Basic Science & Humanities (BSHU)	Conference	DiabPredict: An Explainable and Deployment-Ready Machine Learning Framework	4	Published		ICICACS 2026	Mrinmoy Guria, Debrupa Pal, Debopriya Dey, Arindam Hui, Ankan Saha, Vikas Kumar Singh,	Jun 2026

		for Early Diabetes Risk Assessment					Bishnupada Maity	
Basic Science & Humanities (BSHU)	Patent	A Decentralized Control Architecture and Apparatus for Continuous-Motion Waste Receptacle Transfer Using a Compliant End-of-Arm Tool and Active Posture Control	4	Published			1. Sayan Ghosh 2. Moitreyo Ghosh 3. Srinjay Dasgupta 4. Debasmrita Banerjee 5. Dr. Shilpi Pal 6. Dr. Sarbani Ganguly 7. Dr. Subhendu Banerjee	May 2026
Computer Applications (CA)	Journal	A Review on Quantum Computing for Business Applications	3	Accepted	OTHER	International Journal of Engineering and Management	Sneha Nej, Subhasree Bhattacharjee , Sudakshina Mandal , Rupa Saha , Jaya Kumari , Sreya Dey	May'2026
Computer Applications (CA)	Journal	Three-Tier WBAN Communication: Design and Performance Evalution	4	Published	OTHER	International Journal of Advanced Research in Science, Communication and Technology	SUDIP DAS, ASHMITA KARMAKAR, RITIKA ROY, SOHINI ADHIKARY, SANTANU DAS	Aug 2025
Computer Applications (CA)	Journal	Enhancing WABAN Security using Biologically Inspired Cryptographic Keys	4	Published	OTHER	International Journal of Advanced Research in	SUDIP DAS, ANUSUA BISWAS, SUBHOMITA ROY, JINIA SAHA, PRITHA BHADRA	Sep 2025

						Science, Communication and Technology		
Computer Applications (CA)	Journal	The Comprehensive Review of Quantum Computing for Business Applications	3	Submitted	SCOPUS	International Journal of Information Technology and Computer Science	Sneha Nej, Subhasree Bhattacharjee , Sudakshina Mandal , Rupa Saha , Jaya Kumari , Sreya Dey	February '2026
Computer Applications (CA)	Journal	Assessing the Vulnerability of Sundarban Island to Sea Level Rise and Estuarine Dynamics	4	Published	OTHER	International Journal of Advanced Research in Science, Communication and Technology	Sudip Das, Megha Konar, Kankana Kundu, Tanistha Saha, Megha Ghosh	Apr 2026
Computer Applications (CA)	Conference	Robustness of Machine Learning Models in Agricultural Yield Prediction Across Statistical Data Preprocessing Techniques	2	Published		2nd International Conference on Emerging Trends in Electronic Devices and Computational Techniques (EDCT 2025)	Indrajeet Mondal, Sumana Das, Suseta Datta, Debrupa Pal, Subhasree Bhattacherjee	May 2026
Computer Applications (CA)	Conference	Bilingual Sentiment Analysis with Emoticons	4	Published		2nd International Conference on Emerging Trends	Shubhangi Sarkar, Sristi Paul, Toshani Dutta, Sumedha Das,	May 2026

						in Electronic Devices and Computational Techniques (EDCT 2025)	Debrupa Pal, Suseta Datta, Mrinmoy Guria	
Computer Applications (CA)	Conference	An Efficient AI-Powered Face Recognition System Using ResNet-34 A Comparative Evaluation with LBPH, Eigenfaces, and FaceNet Models	4	Submitted		IEEE Conference on Intelligent Electronics and Computational System (IECS2026)	SUDIP DAS, SUBHASREE BHATTACHARJEE, RUPA SAHA, SOUMYADEEP MUKHERJEE, RITMAY MAITY, JEET PATRA, SAYAN NASKAR	Feb 2026
Computer Applications (CA)	Conference	A Novel Global proximity centric qubit mapping technique for satisfying the CNOT constraints	3	Presented		Quantum Kol 2025	Apurba Haldar, Sneha Roy, Bishal Barman,Subhasree Bhattacherje e, Kunal Das	Nov 2025
Computer Applications (CA)	Conference	Predictive Techniques in Machine Learning for Heart Disease	4	Published		2025 International Conference on Computing, Intelligence, and Application (CIACON)	Mrinmoy Guria, Debrupa Pal, Soumyadipta Seal, Sourasish Bag, Krishna Pranab Chatterjee, Avirup Biswas	Oct 2025
Computer Applications (CA)	Conference	Handwritten Digit Recognition Using Machine Learning	4	Published		2nd International Conference on Emerging Trends	Joyshree Hembram, Uday Narayan, Ananya Adak, Shabeena	May 2026

						in Electronic Devices and Computational Techniques (EDCT 2025)	Perween, Debrupa Pal, Mrinmoy Guria, Debopriya Dey	
Computer Applications (CA)	Conference	Leveraging HITL Approaches for Safeguarding Public Health Against Online Misinformation	2	Published		2nd International Conference on Emerging Trends in Electronic Devices and Computational Techniques (EDCT 2025)	Prgyna Paramita Garai, Debrupa Pal, Dola Saha, Prodop Deb, Amrita Mitra, Kakali Das, Pijush Dutta	May 2026
Computer Applications (CA)	Conference	Innovative Irrigation Technologies and Their Role in Sustainable Agricultural Water Management	2	Presented		International Conference on Advancement of Intelligent Computing in Data Analysis and Knowledge Discovery (AICDAKD 2025)	Debrupa Pal, Debopriya Dey, Abhipriya Halder, Pranjal Das, and Dhruba Das Judge	Nov 2025
Computer Applications (CA)	Conference	Exploring Brain Computer Interfaces for Healthcare: Perspectives and	2	Presented		International Conference on Advancement of Intelligent	Arghadeep Indra, Dolan Biswas, Debrupa Pal, Subhasree Bhattacherjee, Suseta Datta	Nov 2025

		Research Insights				Computing in Data Analysis and Knowledge Discovery (AICDAKD 2025)		
Computer Applications (CA)	Conference	UPDRS Score Estimation from Telemonitoring Voice Data Using Hybrid Ensemble Methods	4	Published		2025 IEEE Pune Section International Conference (IEEE PuneCon 2025)	Srinjay Dasgupta,Debopriya Dey, Debrupa Pal, Samadrita Karmakar, Prabuddha Chatterjee, Anik Baul, Mrinmoy Guria	Feb 2026
Computer Applications (CA)	Conference	The Convergence of Artificial Intelligence and Brain-Computer Interfaces: New Frontiers and Possibilities	3	Published		International Conference on Green Technology & Smart Systems 2025	Debrupa Pal, Mrinmoy Guria, Sudakshina Mandal, Poulami Majumdar, Srishti Bhattacharya, Avilash Hait	May 2026
Computer Applications (CA)	Conference	Blockchain Technology: Structure, Consensus Mechanisms, and Emerging Directions	5	Submitted		4th International Conference on Innovations in Data Analytics	Debrupa Pal, Sudakshina Mandal, Lipan Majumder, Abhronila Das, Rupayan Bera, Mousumi Baidya and Chiranjib Dutta	May 2025
Computer Applications (CA)	Conference	Comprehensive Survey on Federated Learning for Privacy-Preserving	3	Published		International Conference on Intelligent Computing, Networks and	Rupa Saha, Subhasree Bhattacharjee, Sudakshina Mandal, Mandira Basak, Sahim Khan,	Jun 2026

						Security ((IC-ICNS 2026)	Anushree Paul	
Computer Applications (CA)	Conference	Sleep Pattern Analysis for Elderly Using Wearables	3	Published		International Conference on Computer Electrical & Communication Engineering (ICCECE 2026)	Rupa Saha, Sudip Das, Koushik Karmakar, Arnab Laha, Ronit Banerjee, Suman Pramanick,	Apr 2026
Computer Applications (CA)	Conference	AI-Powered Anomaly Detection in Remote Patient Monitoring	3	Published		Digital Technology Developments Connecting the Future of Applications of Computing (DTDCFAC)	Riya Nandy, Udita Sarkar, Rupa Saha, Sudip Das, Reshmi Mondal	May 2026
Computer Applications (CA)	Conference	Quantum Simulation of a New Multivariate Prediction Model SEIRDVIms to Assess the Impacts of Social Restriction and Vaccination on Spreading Disease Transmission and Mortality Show abstract	4	Published		3rd International Conference on Emerging Trends in Engineering and Medical Sciences (ICETEMS,2026)	Subhasree Bhattacharjee, ,Kunal Das, Arindam Sadhu, Debrupa Pal, Poulomi Karmakar, Priyasha Sikdar, Aniruddha Adhikary, Peu Saha,	Apr 2026

Computer Applications (CA)	Conference	Gaussian Differential Privacy Driven Federated Learning Approach For Robust Malware Classification	3	Published		International Conference on Signal Analysis for Smart Systems (SIGNASS-2026)	Sudakshina Mandal, Debrupa Pal, Rupa Saha, Rohan Bhowmik, Anis Das, Sayantani Sadhukhan	Apr 2026
Computer Applications (CA)	Conference	A GA-DQN Based Crossover Guided Method for Self - Adaptive Cloud Resource Scheduling	3	Published		1st International Conference on Artificial Intelligence and Machine Learning in Communication and Power Systems (AIMLCPS-2026)	Sudakshina Mandal, Debrupa Pal, Rupa Saha, Soumyajit Dutta, Madhuli Paul ,Arpan Sadhukhan	Feb 2026
Computer Applications (CA)	Conference	ML-Powered System to Detect and Recognize Multiple Faces for Automated Attendance	3	Submitted		4th Doctoral Symposium on Human Centered Computing (Human-2026)	Souvik Kumar Baguli, Ranita Ghanta, Ankit Chakladar, Kaushik Karmakar, Rupa Saha	Dec 2025
Computer Applications (CA)	Conference	Transparent Threat Detection: Innovative Strategies and Future Pathways for Explainable IDS	3	Published		4th International Conference on Knowledge Engineering and Communication Systems (ICKECS 2026)	Suseta Datta, Debrupa Pal, Subhasree Bhattacharjee, Maitreyee Banik, Dewashish Anand Poddar, Bhawana Agarwal	May 2026

Computer Applications (CA)	Conference	Multiclass Satellite Imagery Segmentation Using Deep Encoder–Decoder Networks	4	Published		4th International Conference on Knowledge Engineering and Communication Systems (ICKECS 2026)	Sukalyan Chakraborty, Aritra Roy, Aditya Kumar Roy,Satyam Sarkar,Papri Ghosh,Debrupa Pal,Md. Ashifuddin Mondal,Subhram Das	May 2026
Computer Applications (CA)	Conference	Depth and Error Optimized Qubit Mapping using GNB Approach	4	Submitted		3rd International Conference on Data Science and Business Systems	Aritra Roy;	Feb 2026
Computer Applications (CA)	Conference	GreenScan: Deep Learning-Powered Agricultural Disease Analytics	4	Published		4th International Conference on Integrated Circuits and Communication Systems (ICICACS - 2026)	Mrinmoy Guria, Debrupa Pal, Rishav Kumar, Apurv Sinha, Anjali Sharma, Raghav Kumar, Tanvir Habib Sardar	Feb 2026
Computer Applications (CA)	Conference	DiabPredict: An Explainable and Deployment-Ready Machine Learning Framework for Early Diabetes Risk Assessment	4	Published		4th International Conference on Integrated Circuits and Communication Systems (ICICACS - 2026)	Mrinmoy Guria, Debrupa Pal, Arindam Hui, Ankan Saha, Vikas Kumar Singh, Bishnupada Maity	Feb 2026

Computer Applications (CA)	Conference	Lightweight Deep Learning Model Architecture for Affective State Recognition from Wearable Physiological Sensors	3	Accepted		CIACON 2026	Rajeev Nayan, Indrajeet Mondal, Susmita Bera, Suseta Datta, Debrupa Pal, Subhasree Bhattacharjee	Jun 2026
Computer Applications (CA)	Book Chapter	Future Trends and Roadmap for Quantum-AI in Sustainable Supply Chains	3	Submitted	Routledge & CRC Press	Quantum Computing for Sustainable Supply Chain Management: Integrating Artificial Intelligence for Eco-Efficient Operations and Strategic Optimization	Soumita,Somhrita, Riya Mahata, Subhasree Bhattacharjee	Aug 2025
Computer Applications (CA)	Book Chapter	Smart applications and challenges of Internet of Things: a review	2	Published	(CRC) Scopus	Recent Trends in Data Analytics and Computing	Debrupa Pal, Nirmalya Chowdhury, Sreya Dey	Aug 2025
Computer Applications (CA)	Patent	AI-Powered Attendance System Using ResNet-34 Based Facial Recognition with Comparative Multi-Model Analysis	4	Published			SUDIP DAS, SUBHASREE BHATTACHARJEE, RUPA SAHA, SOUMYADEEP MUKHERJEE, RITMAY MAITY, JEET PATRA, SAYAN NASKAR	Apr 2026

Computer Applications (CA)	Patent	Intelligent Switch System With Remote Control and Automation	4	Published			Anurag Chakraborty, Ishita Biswas, Shubra Banik, Ankush Panda, Papri Ghosh, Subhram Das, Debrupa Pal, Swarnali Daw	Oct 2025
Computer Applications (CA)	Patent	SmartStock ML: Machine Learning Techniques for Predicting Stock Market Trends	2	Published			Aman Kumar, Nikhil Kumar Singh, Debrupa Pal, Papri Ghosh, Subhram Das, Ashifuddin Mondal	Sep 2025
Computer Applications (CA)	Patent	combined wind and solar energy systems for sustainable energy production	2	Published			Moloy Dhar, Pallabi Das, Susevan Dutta,Subhasree Bhattacharjee	May'2026
Computer Applications (CA)	Patent	AI Powered Sensor Based Smart Facemask for Honey Collector of Sunderban to Prevent Sudden Attack of Tiger	2	Published			Md. Ashifuddin Mondal, Gopal Dutta, Deepta Roy, Subhram Das, Papri Ghosh, Debrupa Pal	Oct 2025
Computer Applications (CA)	Patent	Human Driving Gesture Detection	2	Published			Diptayan Paul, Sulagna Roy, Rupa Saha	May 2026
Computer Applications (CA)	Patent	smart-safe: a multi-modal, real-time women safety alert system with intelligent emergency response	2	Published			Subhasree Bhattacharjee, Suseta Datta, Debrupa Pal, Moloy Dhar, Ashmita Karmakar,	Jun 2026

							Sohini Adhikary	
Computer Applications (CA)	Patent	SMART AGRICULTURE MONITORING SYSTEM	5	Published			Sourav Pal, Sanu Mondal, Solanki Singha, Aritra Ghosh, Sk Nasim Ali, Suseta Datta, Subhasree Bhattacharjee, Marcelline Salome Gomes	Apr 2026
Computer Applications (CA)	Patent	next gen-sos: smart health-sos: an ai-based predictive medical emergency response system	2	Published			Subhasree Bhattacharjee,Rupa Saha, Sudip Das, Shreya Majumder, Swastika Khamrui	May'2026
Civil Engineering (CE)	Conference	Seismic Performance and Cost Optimization of Asymmetrical RC Buildings: A Performance Based Approach	2	Presented		RACE2025	Abhishek Hazra	Jul 2025
Civil Engineering (CE)	Conference	Seismic Performance Evaluation of Multi-storeyed RC building using pushover analysis with displacement coefficient and capacity spectrum methods	2	Presented		AMMM2025	Abhishek Hazra	Jul 2025
Civil Engineering (CE)	Conference	Block shear failure of the gusset plate	2	Presented		AMMM2025	Abhishek Hazra	Jul 2025

		with a riveted joint						
Civil Engineering (CE)	Conference	Influence of thermal stresses on the dynamics of Functionally Graded Composite Beams	3	Presented		NITCon2025	Abhishek Hazra	Jan 2026
Civil Engineering (CE)	Patent	Smart Formwork Panels with AI-Based Prediction and Automated Removal Mechanism	2	Published			1. DIPAN PAUL 2. SABIR ALI 3. ANASUYA MONDAL 4. SUBHENDU BANERJEE 5. PRAJES DAS	May 2026
Civil Engineering (CE)	Patent	Pre-Backfilling Smart Joint Integrity Verification Device for Pipelines	2	Published			1. MR. DIPAN PAUL 2. MR.APURBA DAS 3. MS. ANASUYA MONDAL 4. MR. SABIR ALI 5. DR. SHUBHENDU BANERJEE	May 2026
Computer Science & Business Systems (CSBS)	Journal	Enhancing Crop Price Prediction Using Machine Learning: A Scalable and Robust Ensemble Approach	4	Under review		SN Computer Science	Prianka Dey, Ratul Chowdhury, Sambit Sanyal, Gunjan Saha, Ankana Saha, Arghya Biswas	November, 2025
Computer Science & Business Systems (CSBS)	Journal	UMPCG: A Unified Method under Pair of Classified Groups for Comparison of Protein Sequence from Numerical	3	Submitted		Journal of Computational Physics	Jayanta Pal, Soumen Ghosh, Sumanta Kundu, and Dilip Kumar Bhattacharya	Oct 2025

		Representation of Amino Acids						
Computer Science & Business Systems (CSBS)	Conference	An Innovative Machine Learning Approach for Cervical Cancer Prediction	3	Published		2nd International Conference on Smart Systems and Wireless Communication	Diya Gupta, Ayshi Chattopadhyay, Debasreeta Debnath, Ratul Chowdhury, Prianka Dey	November
Computer Science & Business Systems (CSBS)	Conference	Integrating Explainable AI in Smart Farming for Transparent Crop Recommendation and Market Analysis	2	Published		IEEE International Conference on Advances in Computing Research on Science Engineering and Technology (ACROSET 2025)	Rishav Bairagya, SAGARIKA CHOWDHURY, Tathagata Chatterjee, Arpan Das, Prianka Dey	October, 2025
Computer Science & Business Systems (CSBS)	Conference	Machine Learning-Driven Analysis for Fetal Health Classification Using CTG Data- A Survey	4	Presented		6th International Conference on Frontiers in Computing and Systems	Prianka Dey, Piyush Priyam Prasad Gupta, Vanshika Agarwal, Mehul Shaw, Gargi Shubham, Swarnali Daw	October, 2025
Computer Science & Business Systems (CSBS)	Conference	Secure EV Charging and Communication: A Hybrid GNN-IDS and Post-Quantum	4	Published		IEEE 5th International Conference on Sustainable Energy	Prianka Dey, Ratul Chowdhury, Soumadip Mondal, Shankhadeep Purkait , Nisha	October, 2025

		Cryptographic Approach				and Future Electric Transportation (SEFET 2025)	Mishra, Sudipto Chatterjee	
Computer Science & Business Systems (CSBS)	Conference	A Comparative Prediction of Dropouts of Students from Massive Open Online Courses Using Machine Learning Algorithms	4	Published		2025 International Conference on Emerging Trends in Industry 4.0 Technologies (ICETI4T)	Anubhab Biswas; Anik Maity; Bipren du Poddar; Kun al Mondal; Swa rnali Daw; Prianka Dey	August,2025
Computer Science & Business Systems (CSBS)	Conference	An Analysis and Study of Spoofing Detection In Face Recognition System	4	Published		Seventh International Conference on Computational Intelligence in Communications and Business Analytics	Aniruddha Sen, Pritam Baidya, Shwon Ghosh, Atanu Majumdar, Prianka Dey, Sagarika Chowdhury, Swarnali Daw	November,2025
Computer Science & Business Systems (CSBS)	Conference	Enhancing Disease Prediction using Advanced Machine Learning Algorithms	4	Published		Seventh International Conference on Computational Intelligence in Communications and Business Analytics	Subham Dubey, Deba Ghosh, Akash Dey, Sreerupa Banik, Sagarika Chowdhury, Prianka Dey	November,2025
Computer Science & Business Systems (CSBS)	Conference	A Machine Learning Framework for Understanding the Link between	4	Presented		2nd International Conference on Artificial Intelligence &	Swastika Manna, Tiyas Biswas, Dipyendu Das, Abhijit	July, 2025

		Parental Education, Socioeconomic Sta-tus, and Student Performance				Sustainable Computing	Pasari, and Jayanta Pal	
Computer Science & Business Systems (CSBS)	Conference	Facial Expression Recognition Using Autoencoder - A Robust Alternative to PCA	4	Accepted		2nd International Conference on Artificial Intelligence & Sustainable Computing	Ayan Bhattacherjee, Utsav Biswas, Devbrat Kumar, Aman Shankar, and Jayanta Pal	July, 2025
Computer Science & Business Systems (CSBS)	Conference	NADA: Noise Adaptive Denoising Autoencoder - An Improved Method of Image Denoising Across Varied Datasets and Noise Models	4	Submitted		2nd International Conference on Artificial Intelligence & Sustainable Computing	Sayak Bhowmick, Srinjoy Ghosal, Souhardya Saha, Triparna Naha, and Jayanta Pal	July, 2025
Computer Science & Business Systems (CSBS)	Conference	Protein Sequence Comparison Using Dynamic Time Warping from Graphical Representation	4	Submitted		2nd International Conference on Artificial Intelligence & Sustainable Computing	Rittick Mishra, Aditya Sharma, Ujjwal Roy, Rupesh Kumar, and Jayanta Pal	July, 2025
Computer Science & Business Systems (CSBS)	Patent	A System and Method for Controlling a Drone Using an Android Smartphone Motherboard with Real-Time Wireless Communicati	4	Published			Mr. Arindam Das, Dr. Jayanta Pal, Ms. Promita Dey, Dr. Sumanta Kundu, Mr. Sudip Hansda, Mr. Debargha Das, Ms. Anamika	

		on, Video Streaming, GPS Tracking, and OTA Update					Roy, Ms. Anisha Roy, Ms. Prity Konar	
Computer Science & Business Systems (CSBS)	Patent	S-system and method for controlling a drone using an android smart phone motherboard with real time wireless connection, video streaming, GPS tracking and OTA update	4	Published			Arindam Das, Dr. Jaynata Pal, Dr.Sumanta Kundu, Pramita Dey, Sudip Hansda, Debarghya Das, Anamika roy, Anisha Roy, Priti Konar	Aug 2025
Computer Science & Engineering (CSE)	Journal	A Hybrid CNN – LSTM Approach for Accident Tweet Classification.	4	Published	SCOPUS	International Research Journal of Multidisciplinary Scope	Ushnish Pal, Sayandeep Mondal, Md Ashifuddin Mondal, Rajdip Kundu, Saikat Roy, Subhram Das, Papri Ghosh	Jul 2025
Computer Science & Engineering (CSE)	Journal	Efficient DNA Sequence Classification through Machine Learning Techniques	2	Published	SCOPUS	International Research Journal of Multidisciplinary Scope	Papri Ghosh, Subhram Das, Debrupa Pal, Soumyabrata Saha, Suparna Dasgupta	Jul 2025
Computer Science & Engineering (CSE)	Journal	Classification of Imbalanced data sets utilizing the synthetic minority oversampling method in conjunction with machine learning techniques	2	Published	SCOPUS	Iran Journal of Computer Science	Shrayasi Datta, Chinmoy Ghosh & J. Pal Choudhury	Sep 2025

Computer Science & Engineering (CSE)	Conference	Brain Tumor Segmentation using MRI Images	2	Published	SCOPUS	International Conference on Sustainable Technology in Energy and Power Systems (STEPCon2025)	Ayon Pal, Sanat Mandal and Anukul Maity	February, 2026
Computer Science & Engineering (CSE)	Conference	Transfer Learning-based Deep Feature Extraction with XGBoost and xAI for Melanoma Detection	4	Published	SCOPUS	4th IEEE International conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI)	Ritwika Mukherjee, Shilpa Roy, Kushal Mondal, Swastik Nayek, Anish Halder, Tathagata Chatterjee	Apr 2026
Computer Science & Engineering (CSE)	Conference	IoT-Based Surveillance System: An Enhanced Security Application	5	Published	SCOPUS	International Conference On Signal Analysis For Smart Systems (IEEE SIGNASS 2025)	Anukul Maity;Bingshati Mondal;Rahul Kundu;Subham Bhuin;Rahul Hansda;Sourav Adak;Rahin Bairagi	Published
Computer Science & Engineering (CSE)	Conference	A Review of Intelligence Aerial Technologies for Next Generation Avalanche Search and Rescue	4	Published	SCOPUS	2nd International Conference on Emerging Trends in Electronic Devices and Computa	Avijit Bhadra, Saptarshi Rajan Mandal, Omshri Deb Nath, Suhaila Bhattacharya, Sohinee Mondal, Ritama Sharma	May 2026

						tional Techniques (EDCT2025)		
Computer Science & Engineering (CSE)	Conference	SMOTE-Enhanced Random Forest Classifier with Bayesian Optimization for Lung Cancer Prediction	4	Published	SCOPUS	International Conference On Signal Analysis For Smart Systems	Ritwika Mukherjee, Md Ashifuddin Mondal, Arnanil Mitra, Arko Pal, Sankhyayan Dey, Sourayan Sur	Apr 2026
Computer Science & Engineering (CSE)	Conference	CardioXBoost: An Extreme Gradient Boosting Approach for Early Detection of Heart Disease	4	Published	SCOPUS	EDCT2025	Sayan Ghosh, Uditanshu Das, Samirup Karmakar, Manish Kumar Jha, Dishani Roy, Tanmoy Ghosh	May 2026
Computer Science & Engineering (CSE)	Conference	Interpretable Weighted Averaging Ensemble Model for Chronic Kidney Disease Detection	4	Published	SCOPUS	International Conference on Sustainable Technology in Energy and Power Systems, IEEE, 2025	Kanishka Kumar Shaw, Rohini Nandi, Debaleena Nandy, Debopratim Biswas, Md Ashifuddin Mondal, Subhram Das, Papri Ghosh	Apr 2026
Computer Science & Engineering (CSE)	Conference	GANHSS: A Generative Adversarial Network-Based Hospital Staff Scheduler	4	Published	SCOPUS	2025 IEEE Bangalore Chapter, 17th International Conference on Electronics, Computing and	Bibhasan Podder, Anurag Das, Soura Bose, Sattwik Sarkar, IPSITA DALUI, Sohinee Mondal	Jan 2026

						Communication Technologies (CONECCT)		
Computer Science & Engineering (CSE)	Conference	Drone-Enabled Lift Zone Surveillance and Hazard Detection	4	Published	SCOPUS	IEEE STEPCON2025	Chandrima Chakrabarti, Bingshati Mondal, Krishnendu Roy,Disha Basu, Rakesh Ghosh, Swapnendu Kolay	Apr 2026
Computer Science & Engineering (CSE)	Conference	CNN-Powered Brain Tumor Classification and Detection Using MRI based on Deep Learning Methods	4	Published	SCOPUS	International Conference On Signal Analysis For Smart Systems (SIGNASS 2026)	Bingshati Mondal, Ritwika Mukherjee, Sekh Aship, Sanjida Khatun, Mukesh Kumar, Priyanshu Kumar	Apr 2026
Computer Science & Engineering (CSE)	Conference	New Route Approach Towards Disaster Management Using Delay Tolerant Network	4	Published	SCOPUS	International Conference On Signal Analysis For Smart Systems (SIGNASS 2026)	Bingshati Mondal, Chandrima Chakrabarti, Nabanita Das, Anurag Manna, Adarsha Karfa, Samprit Mondal, Saptadi Sasmal	Apr 2026
Computer Science & Engineering (CSE)	Conference	Data Driven Fish Cultivation Recommendation Based on Aquatic Parameters with Neural Network	4	Published	SCOPUS	International Conference on Computing Technologies (ICOCT) 2025	Arpan Biswas; Aastha Chhetri; Bivek Samanta; Subham Kumar; Subhram Das; Papri Ghosh, Md. Ashifuddin Mondal.	Aug 2025

Computer Science & Engineering (CSE)	Conference	Convolutional Neural Networks for Robust Deepfake Detection in Digital Photography	4	Published	SCOPUS	International Conference on Computing Technologies (ICOCT) 2025	Saikat Kundu; Akas Bera; Suman Kumar Neogi; Niraj Jaiswal; Papri Ghosh; Subhram Das; Md. Ashifuddin Mondal	Aug 2025
Computer Science & Engineering (CSE)	Conference	A Comparative Prediction of Dropouts of Students from Massive Open Online Courses Using Machine Learning Algorithms	4	Published	SCOPUS	International Conference on Emerging Trends in Industry 4.0 Technologies (ICETI4T)	Anubhab Biswas, Anik Maity, Biprendu Poddar, Kunal Mondal, Swarnali Daw and Prianka Dey,	Aug 2025
Computer Science & Engineering (CSE)	Conference	Transfer Learning Techniques for Detecting Emotions in Text	4	Published	SCOPUS	Third International Conference on Networks, Multimedia and Information Technology (NMITCON 2025), IEEE	Shubhendu Banerjee, Pushpita Roy, Soumalya Roy, Rupsha Singha Ray, Panchatapa Mondal, Saptarshi Halder	Oct 2025
Computer Science & Engineering (CSE)	Conference	Predictive Techniques in Machine Learning for Heart Disease	4	Published	SCOPUS	2025 International Conference on Computing, Intelligence, and Application (CIACON)	Mrinmoy Guria, Debrupa Pal, Soumyadipta Seal, Sourasish Bag, Krishna Pranab Chatterjee, Avirup Biswas	Oct 2025

Computer Science & Engineering (CSE)	Conference	An Ensemble Approach to Stock Price Prediction: LSTM and Random Forest Integration	4	Published	SCOPUS	2nd-International Conference on Integration of Computational Intelligent System	Md Ashifuddin Mondal, Ritwika Mukherjee, Pranta Saha, Arijit Mondal, Pratik Dutta, Ayan Chel	Feb 2026
Computer Science & Engineering (CSE)	Conference	A Review on Analysis for Responsive Intentional Assessment	6	Published	SCOPUS	ISACS2024	Rishav Bairagya, Souma Das, Soham Hait, Sarthak Dutta, Soupayan Ghosh, Tripti Kumari, Tanmoy Ghosh, Sagarika Chowdhury, Pushpita Roy	Nov 2025
Computer Science & Engineering (CSE)	Conference	The Function of Ensemble Methods for ISA-based disease detection	4	Published	SCOPUS	CIIR2025	Satadru Naskar, Rohit Raha, Parthib Mondal, Promit Paul, Tanmoy Ghosh, Dishani Roy, Sagarika Chowdhury	Jan 2026
Computer Science & Engineering (CSE)	Conference	Transforming Huntington's Disease Research with Machine Learning and Deep Learning Techniques	4	Published	SCOPUS	CIIR2025	Abhradip Mandal, Atanu Ghosh, Aman Kumar, Srijan Samanta, Dishani Roy, Tanmoy Ghosh, Papri Ghosh	Jan 2026
Computer Science & Engineering (CSE)	Conference	Finding Segmentation of Orthogonal Polyhedron using 3D Straight Skeleton	4	Published	SCOPUS	International Conference On Signal Analysis For Smart	Anukul Maity, Ritwika Mukherjee, Aditya Naha, Abir Mallick, Dipankar Hira, and	Apr 2026

						Systems (IEEE SIGNASS 2025)	Moupiya Ghosh	
Computer Science & Engineering (CSE)	Conference	Conversational AI in Medicine: Exploring the Role of Chatbots in Modern Healthcare	4	Published	SCOPUS	7th International Cconference on Computational Intelligence and Networks	Suprabhat Adhikari, Sarthakpatra, Shawrish, Shweta Maurya, Tathagata Chatterjee, Jayita Pal	May 2026
Computer Science & Engineering (CSE)	Conference	Optimizing Apple cultivation in West Bengal using machine learning	4	Published	SCOPUS	7th International Conference on Energy, Power and Environment (ICEPE 2025)	Priyevart Kumar, Divyansh Sinha, Divyanshu Sharma, Krishan Kumar, SOHINEE MONDAL, Avishek Nath, Pritusna Banik	Sep 2025
Computer Science & Engineering (CSE)	Conference	Mapping the Spatial Distribution and Hotspots of Child Abuse in West Bengal Using Kernel Density Estimation	4	Published	SCOPUS	Third International Conference on Augmented Intelligence and Sustainable Systems ICAISS-2025	Sayan Ghosh, Samarpan Basu, Soumili Biswas, Ankan Mondal, SOHINEE MONDAL, Ipsita Dalui	Aug 2025
Computer Science & Engineering (CSE)	Conference	Benchmarking BERT and DistilBERT for Text-Based Fake News Classification Tasks	4	Published	SCOPUS	SIGNASS 2026	Kanishka Kumar Shaw, Rohini Nandi, Debaleena Nandy, Debopratim Biswas, AVISHEK NATH, Ipsita Dalui,	Feb 2026

							Debjani Chakraborty	
Computer Science & Engineering (CSE)	Conference	Rank-Driven Route Guidance for Electric Vehicles: A Smart Charging Station Selection Model for Urban Roads	3	Published	SCOPUS	SIGNASS 2026	Anirban Dutta, Tusan Haque, Sanjana Saha, IPSITA DALUI, Debjani Chakraborty, Sohinee Mondal	Feb 2026
Computer Science & Engineering (CSE)	Conference	Risk Adjusted Irrigation Decision(RAID): A Pest-Aware Smart Irrigation System Enabled by Federated Learning	3	Published	SCOPUS	SIGNASS 2026	Mayank Keshri, Aveek Panda, Soumik Mitra, IPSITA DALUI, Avishek Nath, Debjani Chakraborty	Feb 2026
Computer Science & Engineering (CSE)	Conference	Weighted Ensemble Classification for Misinformation Detection using Optimized TF-IDF Features on a Large-Scale News Dataset	5	Published	SCOPUS	STEPCon 2026	Arpan Kumar Shill, Pushpita Roy, Shubhendu Banerjee, Shounak Sinha, Shreyashi Saha, Rishiraj Chakraborty, Debjit Mondal, Mouli Das	Apr 2026
Computer Science & Engineering (CSE)	Conference	Sustainable Hybrid Book Recommendation System Using Truncated SVD and DeepFM with Semantic	5	Published	SCOPUS	STEPCon 2026	Mayuri Chakrabarty, Aritra Bandyopadhyay, Shubhendu Banerjee, Roushik Manna, Sourav	Apr 2026

		Relationship Integration via DistilBERT Embeddings					Nandi, Tiyasha Saha, Pramit Kanti Saha	
Computer Science & Engineering (CSE)	Conference	Number Plate Recognition System: An Overview of Approaches, Difficulties, and Opportunities	4	Published	SCOPUS	ICSMS 2026	Tisha Gupta, Prushottam Verma, Ravi Pandey, Ankit Gupta, Tanmoy Ghosh, Dishani Roy, Pushpita Roy	Apr 2026
Computer Science & Engineering (CSE)	Conference	Comparative Performance Analysis of Machine Learning, Deep Learning, and Ensemble Models for Diabetes Prediction	4	Published	SCOPUS	2026 1st International Conference on Emerging Trends in Advancements and Applications of Computational Intelligence Techniques (ETAACT), Bhubaneswar, India	Swarnali Daw, Bingshati Mondal, Devadeepa Chakraborty, Suparna Paul, Ishika Halder, Bidyajani Maji	Jun 2026
Computer Science & Engineering (CSE)	Conference	A Deep Learning Approach for Facial Emotion Detection and Classification .	4	Published	SCOPUS	2026 Eight International Conference on Computational Intelligence and Communication Technologies (CCICT),	Swarnali Daw, Prianka Dey, Arijit Roy, Harshit Prakash Srivastava, Aayush Sinha, Aditya Kumar.	Jun 2026

Computer Science & Engineering (CSE)	Conference	From Equations to Intelligence: The Rise of AI-Based Weather Forecasting	4	Published	SCOPUS	Eight International Conference on Computational Intelligence and Communication Technologies (CCICT), 2026	Subhodeep Halder, Piyush Kumar Yadav, Alekhya Dey, Barun Shaw; Jayita Pal, Tathagata Chatterjee	Jun 2026
Computer Science & Engineering (CSE)	Conference	Transfer Learning Techniques for Detecting Emotions in Text	4	Published	SCOPUS	Third International Conference on Networks, Multimedia and Information Technology (NMITCON 2025), IEEE	.Shubhendu Banerjee, Pushpita Roy, Soumalya Roy, Rupsha Singha Ray, Panchatapa Mondal, Saptarshi Halder	October, 2025
Computer Science & Engineering (CSE)	Conference	Decoding Minds Through Handwriting — Multi-Modal Handwriting Analysis to Detect Anxiety and Depression	2	Published	SCOPUS	International Conference on Signal Analysis for Smart Systems (SIGNASS), 2026	Deblina Goswami, Tanushka Das, Parthasarathi De, Pushpita Roy	April, 2026
Computer Science & Engineering (CSE)	Conference	OPTICS-Fuzzy Intuitionistic Modeling for Robust Image Denoising	3	Published	SCOPUS	SIGNASS 2026	Ritika Dhar; Aritra Bandyopadhyay; Shilpi Pal; Divyaansi Singh; Ankesh Samanta; Samrat Talukdar, Shubhendu Banerjee	April, 2026

Computer Science & Engineering (CSE)	Book Chapter	A New Method for Improving the Accuracy of an Attendance System with Facial Recognition.	4	Published	Other	International Conference on Advanced Computing and Systems. AdComSys 2024, Algorithms for Intelligent Systems. Springer	Gaurav Chakraborty, Ekak Basu, Manvendra Patel, Akash Raj, Papri Ghosh, Pushpita Roy, Subhram Das	Jul 2025
Computer Science & Engineering (CSE)	Book Chapter	Mapping the Spatial Distribution and Hotspots of Child Abuse in West Bengal Using Kernel Density Estimation	4	Published	SCOPUS	Third International Conference on Augmented Intelligence and Sustainable Systems ICAISS-2025	Sayan Ghosh, Samarpan Basu, Soumili Biswas, Ankan Mondal,SOHINEE MONDAL, Ipsita Dalui	Sep 2025
Computer Science & Engineering (CSE)	Book Chapter	Optimizing Apple cultivation in West Bengal using machine learning	4	Published	SCOPUS	7th International Conference on Energy, Power and Environment (ICEPE 2025)	Priyevart Kumar, Divyansh Sinha, Divyanshu Sharma, Krishan Kumar, SOHINEE MONDAL, Avishek Nath, Pritusna Banik	Oct 2025
Computer Science & Engineering (CSE)	Book Chapter	Face Recognition Lock System in Lift Using IoT	4	Published	SCOPUS	CICBA 2025	Aniruddha Sen, Pritam Baidya, Shwon Ghosh, Atanu Majumdar, Prianka Dey, Sagarika Chowdhury, Swarnali	May 2026

							Daw, and Ratul Chowdhury.	
Computer Science & Engineering (CSE)	Book Chapter	OBJECT CLASSIFICATION AND DETECTION WITH LIQUID NEURAL NETWORKS	4	Published	SCOPUS	CICBA 2025	Sagar Jana, Bishal Chandra Debnath, Swarnali Daw, Anjana Kumari Das, Aishik Debnath,	May 2026
Computer Science & Engineering (CSE)	Book Chapter	Edge AI-Powered Real-Time Arrhythmia Detection: Ad-Vancements and Future Directions	4	Published	SCOPUS	Intelligent Electrical Systems and Industrial Automation (IESIA) 2025	Debajyoti Das, Sayandeep Paria, Shreya Ghosh, Anurag Singh, Jayita Pal & Tathagata Chatterjee	Apr 2026
Computer Science & Engineering (CSE)	Book Chapter	Data Augmentation for Image Classification: A Survey	4	Published	SCOPUS	2nd International Conference on Smart Systems and Wireless Communication(SSWC 2025)	Sayak Bhattacharya, Preetish Ray , Sandipta Ghosh, Akash Bhattacharjee, Ipsita Dalui, Sohinee Mondal, Aparajita Paul	Jun 2026
Computer Science & Technology (CST)	Journal	An Analysis and Prediction of Prices of the Essential Commodities using Machine Learning	4	Submitted	SCOPUS	Computational economics	K. Karmakar, Ms. Karobi Sarkar, Ms. Pritusna Banik et. al	Dec 2025
Computer Science & Technol	Journal	A Comparative Analysis of Failure Modes in Mental	4	Submitted	SCOPUS	IJDSA	K Karmakar, Rupa Saha et. al	January, 2026

ogy (CST)		Health Text Classification Using TF–IDF and Transformer Models						
Computer Science & Technology (CST)	Conference	Deep Convolutional LSTM based Predictive Model for Spatiotemporal Forecasting of Soil Moisture over the Indo-Gangetic Plains	4	Presented		International Conference on Advancement of Intelligent Computing in Data Analysis and Knowledge Discovery (AICDAKD 2025)	Karobi Sarkar, Krishnendu Sarkar, Soumik Mondal, Souvik Basu, Koustabh Nag, Asit Kumar Das	December,2025
Computer Science & Technology (CST)	Conference	Deep Learning–Enabled (UAV)s System for Automated Structural Damage Detection	4	Presented		International Conference on Advancement of Intelligent Computing in Data Analysis and Knowledge Discovery (AICDAKD 2025)	Karobi Sarkar, Kundan Raj Singh, Roshni Kumari, Rahul Kumar, Vishal Kumar Dangi	December,2025
Computer Science & Technology (CST)	Conference	Deep Learning for Sustainable Agriculture: Early Detection of Potato Leaf Diseases	4	Submitted		SIGNASS 2025	Pritusna Banik Soham Das, Snehajyoti Maity, Bikram Koley, Sayan Bera	Nov 2025

Computer Science & Technology (CST)	Conference	Optimizing Apple cultivation in West Bengal using machine learning	4	Published		ICEPE 2025	Priyevart Kumar, Divyansh Sinha, Divyanshu Sharma, Krishan Kumar, SOHINEE MONDAL, Avishek Nath, Pritusna Banik	September, 2025
Computer Science & Technology (CST)	Conference	ML-Powered System to Detect and Recognize Multiple Faces for Automated Attendance	3	Submitted		HUMAN 2026	Souvik Kumar Baguli, Ranita Ghanta, Ankit Chakladar, Koushik Karmakar, Rupa Saha	January, 2026
Computer Science & Technology (CST)	Conference	Automated Opinion Classification for E-commerce Product Reviews	4	Submitted		HUMAN 2026	Koushik Karmakar, Soumalya Das, Sneha Chakraborty, Medha Roy, Atanu Mardanya, Rupa Saha	January, 2026
Computer Science & Technology (CST)	Conference	Sleep Pattern Analysis for Elderly Using Wearables	3	Presented		ICCECE 2026	Rupa Saha, Koushik Karmakar	Apr 2026
Computer Science & Technology (CST)	Conference	Smart Attendance System using Face Recognition	3	Accepted		AGC 2026	Ahasan Habib Mallick, Rohan Kumar Bhatt, AravaTanesu, EddumuPushkar, Koushik Karmakar, Rupa Saha	March, 2026

Computer Science & Technology (CST)	Conference	AI-Enabled Learning Management System with Personalized Roadmaps	4	Accepted		AGC 2026	Aditya Agarwal, Ayush Mishra, Ashutosh Kumar, Saurabh Dubey, Koushik Karmakar, Rupa Saha	March, 2026
Computer Science & Technology (CST)	Conference	ML-Powered System to Detect and Recognize Multiple Faces for Automated Attendance	3	Submitted		4th International Conference on Data Analytics and Insights	Koushik Karmakar, Souvik Baguli, Ranita Ghanta, Ankit Chakladar, Rupa Saha	`
Computer Science & Technology (CST)	Conference	Deep Learning for Sustainable Agriculture: Early Detection of Potato Leaf Disease	4	Submitted		ICVCS 2026	Soham Das, Snehajyoti Maity, Bikram Koley, Sayan Bera, Pritusna Banik, Ritama Sharma	May, 2026
Computer Science & Technology (CST)	Conference	Breast Cancer Detection Using Machine Learning	4	Submitted		R10-HTC 2026	Samir Lohar, Suman Samanta, Samayatri Das, Akash Mallick, Pritusna Banik	May, 2026
Computer Science & Technology (CST)	Book Chapter	Optimizing Apple cultivation in West Bengal using machine learning	4	Published	yes	IEEE explore	Priyevart Kumar, Divyansh Sinha, Divyanshu Sharma, Krishan Kumar, SOHINEE MONDAL, Avishek Nath, Pritusna Banik	January, 2026

Computer Science & Technology (CST)	Book Chapter	AI Face Recognition Attendance System	4	Published	yes		Madhabendra Maity, Pritusna Banik, Aditya Raj Yadav, Sayan Dutta, Jit Das, Sohinee Mondal, Dr.Chandrima Chakrabarti , Dr. Nabanita Das	June, 2026
Computer Science & Technology (CST)	Book Chapter	An Analysis and Prediction of Prices of the Essential Commodities using Machine Learning	4	Published	No	Indian Journal of Natural Sciences	Partha Pratim Paul, Subhadip Upadhyay, Rahul Maitra, Souvik Saha, Koushik Karmakar, Soumya Bhattacharyya, Karobi Sarkar and Pritusna Banik	June, 2026
Computer Science & Technology (CST)	Patent	Arduino-Based Smart Irrigation System with Remote Monitoring and Weather Adaption.	5	Submitted			1. AYUSH MISHRA 2. ASHUTOSH KUMAR 3. ROHIT KUMAR 4. ARIJIT ROY 5. SIDDHARTH KARN 6. KOUSHIK KARMAKAR	April, 2026
Computer Science & Technology (CST)	Patent	AI & IoT-Powered Advanced Biodegradable and Non-Biodegradable Waste Segregation and Monitoring System	4	Submitted			Anubhab Kundu, Sumit Pal, Arijita Paria, Tuhin Mishra, Koushik Karmakar	April, 2026

Computer Science & Technology (CST)	Patent	AquaClean: Water Impurity And Wastage Measurement Device	4	Submitted			Srishti Patel, Saheli Mondal, Sony Kumari Mishra, Bipula Singh, SOHINEE MONDAL, Ipsita Dalui, Avishek Nath, Pritushna Banik	April, 2026
CSE - Data Science (DS)	Conference	Drone-Enabled Lift Zone Surveillance and Hazard Detection	4	Published		International Conference on Sustainable Technology in Energy and Power Systems (STEPCon)	Chandrima Chakrabarti; Bingshati Mondal; Krishnendu Roy; Disha Basu; Rakesh Ghosh; Swapnendu Kolay	Apr 2026
CSE - Data Science (DS)	Conference	Enhanced MRI-Based Brain Tumor Classification Using Wiener Filter, U-Net++ and Inception V4	4	Published		2nd International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE)	Chandrima Chakrabarti; Sayak Bhunia; Rajarshi Nath; Subhraneel Saha; Saket Srivastava	May 2026

CSE - Data Science (DS)	Book Chapter	A Predictive HR Analytics Framework for Optimizing Employee Promotion Cycles in MNCs using Machine Learning	4	Published	non indexed with ISBN	2nd International Conference on Recent Developments and Applications in Materials Science and Engineering RDAMSE 2026	Mr. Shashank Shekhar, Dr. Chandrima Chakrabarti, Ms. Jayita Pal, Dr. Nabanita Das, Mr. Rohit Kumar, Mr. Ashish Raj, Mr. Rishi Kumar Manjhi	May 2026
CSE - Data Science (DS)	Book Chapter	AI Face Recognition Attendance System	4	Published	non indexed with ISBN	2nd International Conference on Recent Developments and Applications in Materials Science and Engineering RDAMSE 2026	Madhabendra Maity, Pritusna Banik, Aditya Raj Yadav, Sayan Dutta, Jit Das, Sohinee Mondal, Dr. Chandrima Chakrabarti, Dr. Nabanita Das	May 2026
CSE - Data Science (DS)	Book Chapter	Hybrid Deep Learning Approach for Skin Lesion Classification Using Image and Metadata Fusion	5	Published	non indexed with ISBN	2nd International Conference on Recent Developments and Applications in Materials Science and Engineering RDAMSE 2026	Mr. Sandipan Biswas, Ms. Jayita Pal, Dr. Chandrima Chakrabarti, Debsurya Das, Sharanya Sinha, Amarjit Dey, Arunabha Bhattacharyya	May 2026

CSE - Data Science (DS)	Patent	Safety-prioritized navigation and route optimization system (rakshamarg)	3	Published			1. Arindam Das 2. Nabanita Das 3. Nivriti Pandey 4. Deep Saha 5. Aman Raj Bharti 6. Arya Bhagat	May 2026
CSE - Data Science (DS)	Patent	ai-powered self-healing drone mesh network for disaster management	2	Published			1. Ms. Bingshati Mondal 2. Dr. Nabanita Das 3. Ms. Swarnali Daw 4. Priyanshu Singh 5. Aditya Nandi	May 2026
CSE - Data Science (DS)	Patent	integrating wiener filters with u-net++ and inception v4 for advanced mri brain tumor classification	4	Published			1. Dr. Chandrima Chakrabarti 2. Dr. Nabanita Das 3. Ms. Jayita Pal 4. Mr. Rajarshi Nath 5. Mr. Saket Srivastava 6. Mr. Subhraneel Saha 7. Mr. Sayak Bhunia	May 2026
CSE - Data Science (DS)	Patent	gps-denied medical delivery drones in disaster management	4	Published			1. Dr. Chandrima Chakrabarti 2. Dr. Nabanita Das 3. Ms. Subhasree Bhattacharje e 4. Mr. Krishnendu Roy 5. Ms. Disha Basu 6. Mr. Swapnendu Kolay 7. Mr. Rakesh Ghosh	May 2026

CSE - Data Science (DS)	Patent	iot based lpg leakage detection and prevention system using gsm module	2	Published			1. Dr. Nabanita Das 2. Dr. Chandrima Chakrabarti 3. Dr. Jayanta Pal 4. Aniket Das 5. Dishari Ghosh	May 2026
Electronics & Communication Engg. (ECE)	Conference	Assessing the Effectiveness of a Temperature Sensor for Detection and Identification of a Faulty LED Strip Panel	4	Published		IEEE 6th INDISCON, NIT Rourkela, 2025	Samrat Kumar Das, Souvik Jana, Tamal Manna, Souradeep Ghosh, Abhijit Dey, Subrata Mazumder, and Dipankar Saha	Aug., 2025
Electronics & Communication Engg. (ECE)	Conference	An Adaptive FSM-Discrete Logic Framework for Cost-Effective Smart Traffic Signal Control with IOT and V2I Integration	2	Published		IEEE Signass 2026	Amit Nigam, Sangita Roy, Abhirup De, Sraman Chatterjee	April, 2026
Electronics & Communication Engg. (ECE)	Book Chapter	AI in Smart Cities	3	Published	No	AI Utkarsh: Chronicles of Next-Gen AI	Anirudha Sarkar, Ishan Sengupta, Soham Mondal, and Pranab Hazra	April, 2026
Electronics & Communication Engg. (ECE)	Book Chapter	A. R. I. S. E.: Automated Reception Interface for Support and Enquiries	5	Published	No	AI Utkarsh: Chronicles of Next-Gen AI	Dipankar Saha	April, 2026
Electronics & Communication Engg. (ECE)	Book Chapter	Job Tracker with Smart AI Career Assistant	3	Published	No	AI Utkarsh: Chronicles of Next-Gen AI	Kaushik Sarkar	April, 2026

Electronics & Communication Engg. (ECE)	Book Chapter	22 nm PTM Based Digital Designs: Interfacing Single-Threshold Ultra-Low Power Circuits with Long Interconnects	4	Published	No	2nd RDAMSE-2026	Sagnik Mukherjee, Samagata Das, Samadrita Das, Amarnath Samanta, Arun KP, Jehan Taraporewalla, Abhijit Ghosh, Dipankar Saha	April, 2026
Electronics & Communication Engg. (ECE)	Book Chapter	Synergy of Materials Science and Antenna Technology: Recent Developments	3	Published	No	2nd RDAMSE-2026	Souvik Dinda, Rupsa Kar, Mayukh Saha, Arpita Santra, Abhijit Ghosh, Soumen Pal	April, 2026
Electronics & Communication Engg. (ECE)	Book Chapter	AGRIGUARD: A MULTIMODAL GEMINI-POWERED AI SYSTEM FOR PRECISION AGRICULTURE AND UNMIXING-AWARE CROP HEALTH ANALYSIS	4	Published	No	NiT-BSHU bookchapter Aritificial Intelligence - Amulti dimentional approach of knowledge	Sandhya Pattanayak, Bipasha Chakrabarti Banik, Soumen Pore,Sayan Paul, Sourajit Chakravarty, Dipanjan Sarkhel	May, 2026
Electronics & Communication Engg. (ECE)	Book Chapter	Face Recognition Based Attendance Management System Using Python	4	Published	No	Aritificial Intelligence - Amulti dimentional approach of knowledge	Swati Barui Abhijit Ghosh Sandhya Pattanayak Shreya Mitra Sakshi Gupta Promit Bera Sanshoptok Paul	May, 2026
Electronics & Communication Engg. (ECE)	Book Chapter	A Self-Navigating Vehicle with Intelligent Obstacle Perception	6	Published	No	Aritificial Intelligence - Amulti dimentional approac	Sangita Roy, Swati Barui Sandhya Pattanayak, Sudeep Sarkar, Arikta Dutta	May, 2026

						h of knowledge	Pritam Paul Utsab Mondol Sayandeep Mahata Tuhin Mondol	
Electronics & Communication Engg. (ECE)	Book Chapter	AI-Powered Optimization of Renewable Energy Grids	2	Published	No	Environmental Science and Engineering	Rohit Das, Muskan Deep, Arpita Santra, Swati Barui, Sandhya Pattanayak	May, 2026
Electronics & Communication Engg. (ECE)	Book Chapter	Machine Fault Detection Via Audio Signal Analysis	5	Published	No	Environmental Science and Engineering	Soumik Saha, Anunay Das Bairagya, Soumen Goswami, Apurbo Mallick, Divya Ghoshal, Arpita Santra, Sandhya Pattanayak, Sangita Roy	May, 2026
Electronics & Communication Engg. (ECE)	Patent	VOICE-CONTROLLED DESKTOP MANAGEMENT SYSTEM AND A METHOD THEREOF	4	Published			Pranab Hazra, Sayandip Kumar, Mainak Dey, Sudipa Sadhukhan, Shreyan Dutta	Sept., 2025
Electronics & Communication Engg. (ECE)	Patent	LOW-COST ARDUINO-BASED RADAR SYSTEM FOR OBJECT DETECTION AND MAPPING	2	Published			Sangita Roy, Swati Barui, Moupali Roy ; Pranab Hazra ; Abhijit Ghosh, SAYAN KUMAR SUR, AGNISH SAMAJPATI	Aprl., 2026

Electronics & Communication Engg. (ECE)	Patent	Automated Onion Seedling Plantation for efficient and sustainable farming.	6	Published			Anish Ghosh, Soumyajit Roy, Aagnik Dey, Sayar Basu, Subham Das, Anuska Gayen, Sandhya Pattanayak, Sangita Roy, Kaushik Sarkar, Abhijit Ghosh	May, 2026
Electronics & Communication Engg. (ECE)	Patent	Obstacle & Motion Detecting Smart Robot using Arduino	4	Published			Monami Kumar, Aniket Ghosh, Ankhi Panja, Shubhodeep Mukherjee, Abhijit Ghosh, Sandhya Pattanayak, Swati Barui, and Sangita Roy	May, 2026
Electronics & Communication Engg. (ECE)	Patent	Econix Plantcare: A Smart Agriculture through AI-Based Plant Health Management	6	Published			Pranab Hazra, Priyanka Bhadra, Sayak Mukherjee, Srijeeta Goswami, Soham Ganguly, Muskan Deep, and Arijeet Das	May, 2026
Electronics & Communication Engg. (ECE)	Patent	DEEP LEARNING BASED MACHINE FAULT DETECTION	3	Published			ARPITA SANTRA, DIVYA GHOSHAL, ANUNAY DAS BAIRAGYA, and SOUMEN GOSWAMI	May, 2026

Electronics & Communication Engg. (ECE)	Patent	Reimagining Rural Classrooms Through Adaptive Artificial Intelligence: A Study on Inclusive Digital Learning Ecosystems	6	Published			Moupali Roy, Priti Karmakar, Keshav Kishore, Tushar Pandey, Tanmoy Kayal, Angana Ghosh, and Debapriya Das	June, 2026
Electronics & Instrumentation / ECS (ECS)	Book Chapter	Design of an EMG and EEG-based Bionic Hand using Haptic Sensation and Thermal Feedbac	5	Published	SCOPUS	Cognitive Biomarkers and BCI Applications Proceedings of MBCC 2025, Volume 2	Sparsho Chakraborty, Sayantan Mitra, Md. Avaish Siddiqui, Md. Alamgir, Rahul Raj, Susmita Das	Jun 2026
Electronics & Instrumentation / ECS (ECS)	Book Chapter	Integrating Machine Learning for Skin Cancer detection by Image Processing and Pattern Recognition	3	Published	NA	Machine Intelligence and Materials for Sustainable Development, Ideal Publication	Bikas Mondal, Sanghamitra Layek, Sayan Mondal, Anirban Saha, Somshubhra Bose, Bikash Panja	Jul 2025
Electronics & Instrumentation / ECS (ECS)	Book Chapter	Design of Bionic Eye with Synthetic Vision and AI Assistance	5	Published	NA	AI FOR ATMANIRBHAR BHARAT : EMPOWERING SELF-RELIANT INDIA THROUGH INTELLIGENT TECHNOLOGIES	Susmita Das, Ankit Kar, Hritabrata Ghosh, Aniruddha Mitra, Priyanshu Das, Ayitri Dhar	May 2026

Electronics & Instrumentation / ECS (ECS)	Book Chapter	Human Mood Detection System with Cognitive Computing	5	Published	NA	AI FOR ATMANIRBHAR BHARAT : EMPOWERING SELF-RELIANT INDIA THROUGH INTELLIGENT TECHNOLOGIES	Susmita Das, Ankit Kar, Hritabrata Ghosh, Aniruddha Mitra, Priyanshu Das, Ayitri Dhar	May 2026
Electronics & Instrumentation / ECS (ECS)	Book Chapter	Trespasser Tracker Flying Security Pilot	5	Published	NA	AI FOR ATMANIRBHAR BHARAT : EMPOWERING SELF-RELIANT INDIA THROUGH INTELLIGENT TECHNOLOGIES	Susmita Das, Ankit Kar, Hritabrata Ghosh, Aniruddha Mitra, Priyanshu Das, Ayitri Dhar	May 2026
Electronics & Instrumentation / ECS (ECS)	Book Chapter	Automated Surveillance Tree Bot for Wildlife Protection	5	Published	NA	AI FOR ATMANIRBHAR BHARAT : EMPOWERING SELF-RELIANT INDIA THROUGH INTELLIGENT TECHNOLOGIES	Susmita Das, Alin Sen, Arkasnata Bandyopadhyay, Rupsha Das, Avirup Mukherjee, Prashun Shaw	May 2026

Electronics & Instrumentation / ECS (ECS)	Book Chapter	Automated Medicine Vending Device with Intelligent System Integration	3	Published	NA	AI FOR ATMANIRBHAR BHARAT : EMPOWERING SELF-RELIANT INDIA THROUGH INTELLIGENT TECHNOLOGIES	Susmita Das, Ardhendu Biswas, Abhishek Kumar, Adarsh Kumar Jha	May 2026
Electronics & Instrumentation / ECS (ECS)	Book Chapter	AI Assisted Smart Dining System of Healthy Eating	4	Published	NA	Artificial Intelligence: A Multidimensional Approach to Knowledge, 1st Edition, Ideal Publication	Susmita Das Subhasree Bhattacharya Rupa Saha Ankit Kar Hritabrata Ghosh Priyanshu Das Aniruddha Mitra	May 2026
Electronics & Instrumentation / ECS (ECS)	Patent	Intelligent Energy-Efficient Home Automation System	5	Published			Bikas Mondal, Sanghamitra Layek, Sayan Bag, Sagar Hait, Prinon Kumar Das, Suman Manna, Suraj Kumar	24-04-2026
Electronics & Instrumentation / ECS (ECS)	Patent	Design and Development of Smart Mirror for Health Parameters Check-ups	5	Published			Sanghamitra Layek, Bikas Mondal,Avrajeet Ghosh,Soumayadeep Pal, Ankita Show,Swarup Saha,Sudipta Das	24-04-2026
Electronics & Instrumentation /	Patent	IoT-Enabled Solar Tracking and Predictive	2	Published			Bikas Mondal, Sanghamitra Layek,	24-04-2026

ECS (ECS)		Energy Management					Mayuri Manna, Anusuya Sarkar	
Electronics & Instrumentation / ECS (ECS)	Patent	Organic Live Plant-Based Air Filtration System	6	Published			Bikas Mondal, Sanghamitra Layek, Shams Tanveer, Amit Kumar, Ashutosh Bhardwaj, Sonu Kumar Modi, Rahul Roy, Suraj Kumar	Oct 2026
Electronics & Instrumentation / ECS (ECS)	Patent	A Portable Non-Contact Tonometry Device for Glaucoma Monitoring	4	Published			Dr. Bikas Mondal, Sanghamitra Layek, Anuska Bharati, Jinnat Saba, Soumyata Singh, Akash Bhattacharyya, Apurba Basumallick	26-09-2025
Electronics & Instrumentation / ECS (ECS)	Patent	Design and Development of a Water Cleaning Bot for all water bodies	5	Published			Dr. Bikas Mondal, Mrs. Sanghamitra Layek, Anirban Saha, Somshubhra Bose, Anuska Bharati, Devdipro Bhaduri, Sayan Bag, Soumya Bhattacharyya, Dr. Sourav Saha	Oct 2026
Electronics & Instrumentation / ECS (ECS)	Patent	A Multi-Sensor Proactive Rider Assistance and SafePull Stabilizer System for Two-Wheelers	2	Published			Dr. Bikas Mondal, Mrs. Sanghamitra Layek, Aditya Kumar Prajapati, Devdipro Bhaduri	15-05-2026

Electronics & Instrumentation / ECS (ECS)	Patent	AI based Biodiversity Drone to detect fire using Image processing	3	Published			Dr. Bikas Mondal, Mrs. Sanghamitra Layek, Anirban Saha, Somshubhra Bose, Prachi Shaw	15-05-2026
Electronics & Instrumentation / ECS (ECS)	Patent	A SYSTEM AND METHOD FOR ARTIFICIAL INTELLIGENCE-BASED DRUG DISCOVERY AND CLINICAL DECISION SUPPORT	3	Submitted			Dr. Bikas Mondal, Mrs. Sanghamitra Layek, Shams Tanveer, Amit Kumar	Apr 2026
Electronics & Instrumentation / ECS (ECS)	Patent	Wearable Real Time Posture Monitoring and Correction Device	4	Published			Mrs. Sanghamitra Layek,Dr. Bikas Mondal,Jeet Adhikary,Ahona Chowdhury, Deep Biswas,Shishir Pal	29-05-2026
Electronics & Instrumentation / ECS (ECS)	Patent	A SYSTEM AND METHOD FOR ARTIFICIAL INTELLIGENCE-BASED DRUG DISCOVERY AND CLINICAL DECISION SUPPORT	2	Published			Dr. Bikas Mondal,Mrs. Sanghamitra Layek,Shams Tanveer, Amit Kumar	15-05-2026
Electronics & Instrumentation / ECS (ECS)	Patent	Emergency Life Support System for Rural People with Health Monitoring Ventilation System	2	Published			Dr. Susmita Das, Avrajeet Ghosh, Soumyadeep Pal	Oct 2026

Electronics & Instrumentation / ECS (ECS)	Patent	Assistive Humanoid Bot for Elderly Care with Intelligent Data Visualization	6	Published			Dr. Susmita Das, Soumayadeep Pal, Avrajeet Ghosh, Jeet Adhikary, Ahona Chowdhury, Ankit Kar, Raktim Dutta	17-04-2026
Electronics & Instrumentation / ECS (ECS)	Patent	Bionic Hand with Haptic Sensation and Thermal Feedback	5	Published			Dr. Susmita Das, Sparsho Chakraborty, Sayantan Maitra, Md Avaish Siddiqui, Mohammad Alamgir, Rahul Raj	17-04-2026
Electronics & Instrumentation / ECS (ECS)	Patent	Swarm Bot for Defence and Medical application	2	Published			Dr. Susmita Das, Soumayadeep Pal, Avrajeet Ghosh	17-04-2026
Electronics & Instrumentation / ECS (ECS)	Patent	Spoonie: Self-Stabilizing Feeding Spoon for Tremored Hands	4	Published			Susmita Das, Ankit Kar, Hritabrata Ghosh, Priyanshu Das, Aniruddha Mitra	17-05-2026
Electronics & Instrumentation / ECS (ECS)	Patent	NutriSync: an AI Meal Planner and Smart Eating Monitor	4	Published			Susmita Das, Ankit Kar, Hritabrata Ghosh, Priyanshu Das, Aniruddha Mitra	17-05-2026
Electronics & Instrumentation / ECS (ECS)	Patent	Intelligent Oxygen and Temperature-Regulated Room Heater with Automatic Cut-Off and Emergency Alert System	2	Published			Dr Jayanta Pal, Dr Susmita Das, Dr Nabanita Das, Sumanta Kundu, Dr. Srabani Biswas, Dr. Ipsita Saha, Ripam Naskar,	17-05-2026

							Rohan Majumdar , Soumalya Das , Souvik Konar	
Electrical Engineering (EE)	Journal	Sensorless Torque and Speed Metering and IoT based Remote Monitoring of a Coulomb Friction Dominated Brushed DC Motor	3	Published	SCI	Procedia Computer Science, Elsevier	Rudrajit Biswas, Biswajit Halder, Pallav Dutta, Sanjini Chakraborty, Shrestha Ghosh	Feb 2026
Electrical Engineering (EE)	Conference	Analysis and Control of Multi-Input Zeta Converter fed from Renewable Sources for Grid-Tied Inverters	4	Published		IEEE International Conference on Sustainable Technology in Energy and Power Systems (STEPCon2025)	Sayantan Chowdhury, Sujoy Bhowmik, Arkendu Mitra, Amritesh Kumar, Chayan Bhattacharjee	Apr 2026
Electrical Engineering (EE)	Conference	A Community Microgrid Aggregation for Optimal Use of Renewable Resources	7	Published		IEEE International Conference on Sustainable Technology in Energy and Power Systems (STEPCon2025)	Ambarnath Banerji, Sudhangshu Sarkar, Bansari Deb Majumder, Subimal Roy Barman, Akash Banerjee, Trisha Samanta, Subhamoy Dey, Debabrata Bhaumik, Rekha Singha, Susmita Adhikary,	Apr 2026

							Tirthankar Datta, Epsita Das	
Electrical Engineering (EE)	Conference	Sustainable Hydrogen Through Biological Systems: Current Trends in Production and Storage Solutions	2	Published		IEEE International Conference on Sustainable Technology in Energy and Power Systems (STEPCon2025)	Sarbani Ganguly,Dhananjay Kr. Tripathi,Kamalika Banerjee,Sreyasree Basu,,Indrajit Bhattacharjee,Mainak Debnath	Apr 2026
Electrical Engineering (EE)	Conference	Design of Fuzzy based Linearizer to eliminate the effect of Swelling and Shrinkage for accurate level measurement in Industrial Boiler	2	Published		2025 International Conference on Sustainable Technology in Energy and Power Systems (STEPCon2025)	Abir Das; Bansari Deb Majumder; Moumita Ghosh; Tanmay Sinha Roy; Joyanta Kumar Roy	
Electrical Engineering (EE)	Conference	BIPV Based Community Microgrid Aggregation for Net Zero Energy Building	9	Published		2025 IEEE North-East India International Energy Conversion Conference and Exhibition (NE-IECCE)	Ambarnath Banerji; Abir Das; Ranadip Pal; Debabrata Bhaumik; Srijan Saha; Sufal Dhar; Souvik Das; Ankur Mondal; Trisha Samanta; Akash Banerjee;	Oct 2025

							Kamalika Banerjee; Subimal Roy Barman; Sudhangshu Sarkar; Bansari Deb Majumder; Sujit K. Biswas	
Electrical Engineering (EE)	Book Chapter	Evolution of linear electrical model of non-branded white LEDs and its application in the field of dimmable driver design	2	Published	SCOPUS	Recent Trends in Engineering, Science and Technology	Shibangi Bhattacharya, Khushi Rao, Sudhangshu Sarkar, Pallav Dutta, Biswadeep Gupta Bakshi	19.08.2025
Electrical Engineering (EE)	Book Chapter	IoT-Based Monitoring of the Health of Dam	6	Published	SCOPUS	Lecture Notes in Civil Engineering ((LNCE,volume 699))	Ambarnath Banerji, Abir Das, Sabyasachi Nandy, Sufal Dhar, Tiyasha Sarkar, Ankur Mondal, Souvik Das, Pallav Dutta, Bansari Deb Majumder & Subimal Roy Barman	Jan 2026
Electrical Engineering (EE)	Book Chapter	Modeling of Laboratory Scale Electrically Heater Boiler Using Artificial Neural Network	5	Published	SCOPUS	Springer Nature LNNS series	Bansari Deb Majumder, Moumita Ghosh, Subha Koley, Joy Halder, Joyanta Kumar Roy & Tanmay Sinha Roy	Oct 2025
Electrical Engineering (EE)	Book Chapter	EEG Based Mental State Classification Using AdaBoost Model	3	Published	SCOPUS	Springer Nature LNNS series	Tanmay Sinha Roy, Joyanta Kumar Roy, Nirupama Mandal,	Oct 2025

							Bansari Deb Majumder & Moumita Ghosh	
Electrical Engineering (EE)	Book Chapter	Prediction of external quantum efficiency for organic tin based perovskites	2	Published	SCOPUS	Recent Trends in Engineering, Science and Technology	Saurabh Basak, Tanmay Sinha Roy, Bansari Deb Majumder	Aug 2025
Electrical Engineering (EE)	Book Chapter	Advanced Integrated Frameworks for Fault Detection and Predictive Maintenance in Industrial Cyber-Physical Systems: A Multi-Domain System atic Investigation	3	Published	NA	Green Energy AI and Intelligent Management Applications for Sustainable Power Systems	Rajdeep Sadhukhan, Pra dyumn Deb, Sayna Datta, Maitrayee Chakrabarty	22/06/2026
Electrical Engineering (EE)	Book Chapter	Smart Cities and Intelligent Energy Management	3	Published	NA	Green Energy AI and Intelligent Management Applications for Sustainable Power Systems	Pradyumn Deb, Sayna Datta, Rajdeep Sadhukhan, Maitrayee Chakrabarty, Bansari Deb Majumder	22/06/2026
Electrical Engineering (EE)	Book Chapter	Application of Artificial Intelligence in Solar and Wind Energy Forecasting for Sustainable Power Systems	3	Published	NA	Green Energy AI and Intelligent Management Applications for Sustainable Power Systems	Sayna Datta, Pradyumn Deb, Rajdeep Sadhukhan, Maitrayee Chakrabart	22/06/2026

Electrical Engineering (EE)	Book Chapter	ADVANCED MILITARY SPYING AND BOMB DISPOSAL ROBOT	5	Published		AI UTKARSJ SUMMIT 2026	Shovan Porey, Neha Halder, Alsina Haque, Sayanjit Roy, Subho Shaw and Dipu Mistry	15/06/2026
Electrical Engineering (EE)	Book Chapter	Weather Adaptive Vision Stick: A Smart Assistive Device for Visually Impaired Navigation.	5	Published		AI UTKARSJ SUMMIT 2026	Aman Kumar Singh, Bivas Mondal, Aditya Kumar Pandey, Nipun Bhadani, Amit Kumar Mondal, and Maitrayee Chakrabarty	15/06/2026
Electrical Engineering (EE)	Book Chapter	RotoGuard : Continuous Machine Health Monitoring via Acoustic Analysis	2	Published			Raisi Das, Tanya Upadhyay,Subhankito Roy Chowdhury, Tamal Bose,Sourav Sarkar4	
Electrical Engineering (EE)	Book Chapter	Digital Twin of Thyristor Based HVDC System	2	Published	NA	Green Energy AI and Intelligent Management Applications for Sustainable Power Systems	Akash Banerjee, Bansari Deb Majumder, Subimal Roy Barman, Trisha Samanta	22/06/2026
Electrical Engineering (EE)	Book Chapter	AI-Driven Solar-Powered Precision Agriculture System: Integrating IoT, Smart Irrigation, and Dis ease Detection	5	Published	NA	Green Energy AI and Intelligent Management Applications for Sustainable Power Systems	Debanshu Chakraborty, Shaunak Chatterjee, Ishan Biswas, Rahit Das, Soumyadip Das	22/06/2026

Electrical Engineering (EE)	Patent	SMART SAFETY HELMET FOR ELECTRICAL WORKERS	5	Submitted			Kamalika Banerjee, Maitreyee Chakrabarty, Neepa Biswas, Sarbani Ganguly, Swambrata Sarkar, Somanjan Pachal, Gourab Mahapatra, Sudip Mandal, Amit Kumar	NA
Electrical Engineering (EE)	Patent	OVER-VOLTAGE AND UNDER-VOLTAGE PROTECTION SYSTEM USING ARDUINO	4	Published			Kamalika Banerjee, Sarbani Ganguly, Bansari Deb Majumder, Maitrayee Chakrabarty, Sonu Kumar Tiwari, Prabhat Kumar Singh, Zaid,Ahmed, Md Khalid Miraj	NA
Electrical Engineering (EE)	Patent	SYSTEM AND METHOD FOR PLANT DISEASE DETECTION USING MULTI-LENS IMAGE AND ARTIFICIAL INTELLIGENCE	3	Published			Shubhendu Banerjee, Pushpita Roy, Ankesh Samanta, Sudhangshu Sarkar, Divyaansi Singh, Saptarshi Halder	NA
Electrical Engineering (EE)	Patent	SMART WASTE SEGREGATOR	4	Published			Sudhangshu Sarkar, Maitrayee Chakrabarty, Bansari Deb Majumder, Suvojit Saha, Vivek Gupta, Anirban Chakraborty,	NA

							Swarnabha Nayek	
Electrical Engineering (EE)	Patent	IOT BASED AQI DETECTION AIR PURIFICATION MODEL	4	Published			Maitrayee Chakrabarty, Bansari Deb Majumder, Kamalika Banerjee, Sudhangshu Sarkar, Antara Ghosh, Souvik Halder, Subham Das, Saibur Rahaman	NA
Electrical Engineering (EE)	Patent	A BIODEGRADABLE BOTTLE INTEGRATED WITH NATURAL FIBER REINFORCEMENT	2	Published			Sharmistha Basu, Sudhangshu Sarkar, Ankesh Samnata, Aparijata Paul, Md. Ashik Khuda	NA
Electrical Engineering (EE)	Patent	A PORTABLE SOLAR ENERGY HARVESTING AND SMART CHARGING SYSTEM INTEGRATED INTO A SCHOOL BAG	5	Published			Sharmistha Basu, Sudhangshu Sarkar, Ankesh Samanta, Sudhanshu Maurya, Md. Sadab Ali, Sahil Rajak, Skand Jha, Partaha Sarathi Tikader, Anuj Kumar Shaw	NA
Electrical Engineering (EE)	Patent	CLAP SWITCH LIGHT	4	Published			Kamalika Banerjee, Subhra Mukherjee, Arkendu Mitra, Hemanta Kumar, Ritik Kumar,	NA

							Mriganko Paul, Bidyut Das	
Electrical Engineering (EE)	Patent	Lighting Dimmer Circuit Using TRAIC and DIAC	3	Filed			Arkendu Mitra, Subhra Mukherjee, Kamalika Banerjee, Priyangshu Dey, Gopal Krishna Paul, Shuvradipto Kundu	NA
Electrical Engineering (EE)	Patent	An Autonomous Solar-Powered Street Light Indicator and Control System	5	Published			Subhra Mukherjee, Sudhangshu Sarkar, Arkendu Mitra, Soyel Hossain, Rrisab Biswas, Rupankar Das, Subham Shaw, Sayan Ari	NA
Electrical Engineering (EE)	Patent	DESIGN AND IMPLEMENTATION OF AN IOT-ENABLED WEATHER MONITORING SYSTEM	5	Published			Sudhangshu Sarkar, Bansari Deb Majumder, Pallav Dutta, Ankit Dey, Aindrila Rakshit, Hena Roy, Indrajit Dawn, Abhismith Maitra	NA
Electrical Engineering (EE)	Patent	AN AUTOMATED STREET LIGHT FAULT DETECTION AND MONITORING SYSTEM AND METHOD	6	Published			DUTTA, Pallav, GOPE, Soumojit, MAJHI, Sayantan, DHANG, Taniya, BALMIKI, Megha, BAIDYA, Soumen,	NA

							DAS, Romik, BANERJEE, Kamalika, PAUL, Aparajita	
Electrical Engineering (EE)	Patent	“an embedded electro-thermal fault diagnosis system for improving reliability of constant”	4	Published			Sudhangshu Sarkar, Bansari Deb Majumder, Sharmistha Basu, Ankit Kumar, Mohammad Zubaid, Md. Hamzah, Charandeep Singh, Khan Mohd Faiz Jafarul Hasa	NA
Electrical Engineering (EE)	Patent	“a smart tracking and dynamic commute optimization system for public buses ("aamaar kolkata bus")	6	Published			Sharmistha Basu, Debasmita Sen, Sudhangshu Sarkar, Deep Saha, Pranjal Gupta, Shakshi Kotwala, Saksham Singh, Aman Raj Bharti, Ayush Prasad Sonar	NA
Electrical Engineering (EE)	Patent	“an ai-powered personal finance assistant for smart money management (finwise ai)”	5	Published			Sharmistha Basu, Sudhangshu Sarkar, Debasmita Sen, Neha Guin, Subhamita Ghosh, Sanyukta Ghosh, Diljeet Singh, Atulya Raj Sinha	NA

Electrical Engineering (EE)	Patent	"geriatric home-hospital system"	2	Published			Sharmistha Basu, Sudhangshu Sarkar, Debasmita Sen, Shantanu Chakravarty, Debasmita Roy Chowdhury, Cinderella Ghosh	NA
Electrical Engineering (EE)	Patent	"ai-detector hybrid smart classroom system"	6	Published			Sharmistha Basu, Sudhangshu Sarkar, Debasmita Sen, Aditya Banerjee, Tisyaketu Chowdhury, Subhrodip Paul, Oliviaa Bose, Tanisha Biswas, Saksham Gupta	NA
Electrical Engineering (EE)	Patent	"transparent verification tracker"	3	Published			Sharmistha Basu, Sudhangshu Sarkar, Debasmita Sen, Sonali Sharma, Harsh Kharwar, Debangan Das	NA
Electrical Engineering (EE)	Patent	"vaani - adaptive ai-based real-time bidirectional sign communication platform"	6	Published			Sharmistha Basu, Debasmita Sen, Sudhangshu Sarkar, Sania Sarkar, Joyeeta Chaudhuri, Chiradipta Behera, Ayantika Roy, Tushar Giri, Subarna Saha	NA

Electrical Engineering (EE)	Patent	"yatrix: an ai-powered intelligent smart luggage and travel companion system for secure, organized, and hassle-free travel"	6	Published			Sharmistha Basu, Sudhangshu Sarkar, Adrika Saha, Soumya Kashyap, Shreya Ghosh, Tanushree Samanta, Srijita Biswas, Sayantani Sen	NA
Electrical Engineering (EE)	Patent	SMART VISION STICK: A MULTI-PHASE AI-ASSISTED NAVIGATIONAL AID FOR THE VISUALLY IMPAIRED	2	Published			MAITRAYEE CHAKRABARTY BANSARI DEB MAJUMDER AMAN KUMAR SINGH PRATIK TIWARI	NA
Information Technology (IT)	Conference	An Adaptive System for Detecting Anomalies in Smart Electric Grids Using *** Models	4	Published		International Conference on Applied Algorithms (ICAA) 2026		Jan 2026
Information Technology (IT)	Conference	A Comprehensive Approach for Real-Time 3D Model Manipulation Using Hand Gestures	4	Published		2025 International Conference on Computing, Intelligence, and Application (CIACON)		Oct 2025
Information Technology (IT)	Conference	Optimizing CNN Architectures for Cat and Dog Classification with Focus on	4	Published		2025 International Conference on Computing, Intelligen		Oct 2025

		Generalization and Robustness				ce, and Application (CIACON)		
Information Technology (IT)	Conference	Hybrid Sentiment Analysis Models: Combining Logistic Regression and LSTM Predictions	4	Published		The Seventh International Conference on Computational Intelligence in Communications and Business Analytics (CICBA 2025)		May 2026
Information Technology (IT)	Conference	Real-Time Driver Drowsiness Detection Using CNN-Based Eye Blink Analysis for Accident Prevention	4	Published		The Seventh International Conference on Computational Intelligence in Communications and Business Analytics (CICBA 2025)		May 2026
Information Technology (IT)	Conference	An AI-Powered Fake News Detection System: Analyzing Misinformation in Digital Media	4	Published		The Seventh International Conference on Computational Intelligence in Communications and Business Analytics		May 2026

						(CICBA 2025)		
Information Technology (IT)	Conference	Comparative Analysis of Apache Spark and Apache Kafka for Efficient Data Integration for Real-Time Data Processing	4	Published		The Seventh International Conference on Computational Intelligence in Communications and Business Analytics (CICBA 2025)		May 2026
Information Technology (IT)	Conference	A Study on Multimodal Brain Tumor Segmentation Using Enhanced 2D U-Net Architecture	5	Published		2nd International Conference on Smart Systems and Wireless Communication		May 2026
Information Technology (IT)	Conference	Proactive Handoff Mechanisms in 6G Mobile Networks: AI-Driven Innovations for Seamless Mobility	3	Published		SIGNASS 2026		Feb 2026
Information Technology (IT)	Conference	A Novel RGB Feature Based Coral Bleaching Detection Using SLIC Superpixel Segmentation	4	Published		Advanced Computational and Communication Paradigms (ICACCP 2025)		Feb 2026

Information Technology (IT)	Conference	Evaluating the Performance of Machine Learning Integrated SMOTE Analysis for Prediction of Risk Factors of Seismic Hazards	2	Published		ICISS 2024		Jul 2025
Information Technology (IT)	Conference	Automated Risk Prediction Model of Hepatitis B Patients with Potential Attributes Data Using Machine Learning Approach	2	Published		ICISS 2024		Jul 2025
Mechanical Engineering (ME)	Patent	IoT-Driven Driver-Less Power Tiller with Real-Time Soil and Weather Adaptive Control	2	Published			1. ADRIJA MUKHOPADHYAY 2. KUNTAL DAS 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA	May 2026
Mechanical Engineering (ME)	Patent	AN ECO-FRIENDLY INSECT REPELLENT DEVICE USING FORCED DROUGHT MECHANISM AND WET TYPE AIR FILTER	2	Published			1.PIU NANDI 2. AYUSHMAN PAL 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJAMAN SARKAR	May 2026
Mechanical Engineering (ME)	Patent	BLOCKCHAIN ENABLED REGENERATIVE BRAKING SYSTEM AND METHOD FOR ELECTRIC THREE-	2	Published			1. ADRIJA MUKHOPADHYAY 2. KUNTAL DAS 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJ	May 2026

		WHEELER VEHICLE (TOTO)					AMAN SARKAR	
Mechanical Engineering (ME)	Patent	IOT-ENABLED MECHANICAL REGENERATIVE BRAKING SIMULATOR FOR SUPERCAPACITOR TESTING AND VALIDATION	2	Published			1. ADRIJA MUKHOPADHYAY 2. KUNTAL DAS 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJAMAN SARKAR	May 2026
Mechanical Engineering (ME)	Patent	REGENERATIVE BRAKING SYSTEM FOR A CONVENTIONAL BUS USING A SUPERCAPACITOR AS AN ENERGY STORAGE DEVICE	2	Published			1. ADRIJA MUKHOPADHYAY 2. KUNTAL DAS 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJAMAN SARKAR	May 2026
Mechanical Engineering (ME)	Patent	REGENERATIVE BRAKING SYSTEM FOR A CONVENTIONAL MOTORCYCLE USING A SUPERCAPACITOR AS AN ENERGY STORAGE DEVICE	2	Published			1. ADRIJA MUKHOPADHYAY 2. KUNTAL DAS 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJAMAN SARKAR	May 2026

Mechanical Engineering (ME)	Patent	SELF-CHARGING THREE-WHEELER AUTO USING MULTI-SOURCE ENERGY RECOVERY WITH INTELLIGENT HYBRID STORAGE MANAGEMENT	2	Published			1. ADRIJA MUKHOPADHYAY 2. KUNTAL DAS 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJAMAN SARKAR	May 2026
Mechanical Engineering (ME)	Patent	SUPPLY CHAIN OPTIMIZATION SYSTEM USING REGENERATIVE BRAKING ENERGY ANALYTICS FOR TOTO (E-RICKSHAWS)	2	Published			1. ADRIJA MUKHOPADHYAY 2. KUNTAL DAS 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJAMAN SARKAR	May 2026
Mechanical Engineering (ME)	Patent	Self Charging Electric Bus Using Multi Source Energy Recovery with Intelligent Hybrid Storage Management	2	Published			1. ADRIJA MUKHOPADHYAY 2. KUNTAL DAS 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJAMAN SARKAR	May 2026
Mechanical Engineering (ME)	Patent	Multi Layer Natural Fiber Composite Enclosure for Supercapacitor Regenerative Braking Systems in TOTO (E Rickshaws)	2	Published			1. ADRIJA MUKHOPADHYAY 2. KUNTAL DAS 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJAMAN SARKAR	May 2026

Mechanical Engineering (ME)	Patent	4D-PRINTED, THERMALLY MORPHING MULTI-MATERIAL LATTICE FOR SELF-OPTIMIZING EV BATTERY THERMAL RUNAWAY PROTECTION AND STRUCTURAL REINFORCEMENT	2	Published			1. ADRIJA MUKHOPADHYAY 2. KUNTAL DAS 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJAMAN SARKAR	May 2026
Mechanical Engineering (ME)	Patent	ELECTROMAGNETIC ACTIVE BRAKE DUST CAPTURE SYSTEM (EABCD) WITH ADAPTIVE CONTROL FOR MOTORCYCLES	2	Published			1. ADRIJA MUKHOPADHYAY 2. KUNTAL DAS 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJAMAN SARKAR	May 2026
Mechanical Engineering (ME)	Patent	IoT-Enabled Driver-Less OEE Monitoring and Control System for Punching and Press-Brake Cells with Real-Time Load, Cycle, and Scrap Analytics	2	Published			1. SREEJA SEN 2. JAYANTA DEY 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJAMAN SARKAR	May 2026

Mechanical Engineering (ME)	Patent	MULTI-LAYER, MULTI-FUNCTIONAL COMPOSITE BATTERY ENCLOSURE FOR ELECTRIC VEHICLES WITH INTEGRATED THERMAL RUNAWAY CONTAINMENT, ELECTROMAGNETIC SHIELDING, AND STRUCTURAL HEALTH MONITORING	2	Published			1. ADRIJA MUKHOPADHYAY 2. KUNTAL DAS 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJAMAN SARKAR	May 2026
Mechanical Engineering (ME)	Patent	3-in-1 Transformable Car	2	Published			1. RUPAYAN ROY 2. TIYASH DAS 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJAMAN SARKAR	Jun 2026
Mechanical Engineering (ME)	Patent	An Intelligent Smart Cricket Bowling Machine with Automated Speed, Line, and Length Control Using Sensor-Based and IoT-Enabled System	2	Published			1. HIMADRI SEKHAR MITRA 2. SANTANU DEBNATH 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJAMAN SARKAR	Jun 2026
Mechanical Engineering (ME)	Patent	Automatic Buoyancy System	2	Published			1. RUPAYAN ROY 2. DR. SUMIT CHABRI 3. ARGHYA GUPTA 4.	Jun 2026

							AKHTARUJJAMAN SARKAR	
Mechanical Engineering (ME)	Patent	SELF-EVOLVING ELECTRIC VEHICLE SYSTEM WITH DISTRIBUTED LEDGER-BASED DIGITAL TWIN MAINCHAIN AND CLOSED-LOOP ADDITIVE MANUFACTURING FOR AUTONOMOUS SUPPLY CHAIN RESPONSE	2	Published			1. ADRIJA MUKHOPADHYAY 2. KUNTAL DAS 3. DR. SUMIT CHABRI 4. ARGHYA GUPTA 5. AKHTARUJJAMAN SARKAR	Jun 2026

Industry visits

DEPARTMENT	VISITED COMPNY	DATE	NUMBER OF STUDENTS
AI & ML	Euphoria GenX	18th, 19th, and 21st August 2025	78
ECE	Dronestech Lab at IIM Calcutta Innovation Park	August 20, 2025.	25

CSE	Variable Energy Cyclotron Centre (VECC)	13th August 2025	15
CST	Euphoria GenX	25th and 28th August 2025	30
CSE	Convolution Tech, Godrej Genesis Building, Sector 5, Bidhannagar, Kolkata	On 29th August 2025	20
CE	UltraTech RMC Plant, Baidyabati,	September 2025	25
CE	Hydraulic Model Centre at Syama Prasad Mookerjee Port (SMPK), Garden Reach	26–27 November 2025	30
CA	**Prasarnet Consulting Services Pvt. Ltd., Salt Lake Sector V, Kolkata,**	on **12th December 2025**	20
CST	Cronus Consultant	Friday, 24 April 2026	30
AI & ML	CRONUS CONSULTANTS	18th and 19th May 2026	25
ME	**Central Glass and Ceramic Research Institute (CGCRI)**	**10th June 2026**	30

National Social Service (NSS) Activities

The NSS Unit of Narula Institute of Technology organised and participated in various community-oriented initiatives during the reporting period. These programmes focused on social responsibility, health awareness, environmental conservation, inclusion and community welfare.

✓ Walk & Talk to Support Dyslexia

Objective of the Program: The event aimed to raise awareness about dyslexia, promote understanding and acceptance of individuals with dyslexia, and encourage inclusive education and equal learning opportunities. The participation also aimed to sensitise young people to the learning experiences of individuals with dyslexia and encourage a more supportive and respectful approach towards different learning needs.



Number of Participants: 80 students from different departments; faculty participants included Dr. Kishalay Bairagi and Ms. Debasmita Sen

Description of the Program: The NSS Unit of Narula Institute of Technology participated in the "Walk & Talk for Dyslexia" event at the Indian Museum, Asutosh Birth Centenary Hall, Kolkata. The programme was organised in collaboration with the Anjali Association for Dyslexia and other institutions. The event included a walkathon and a panel discussion on inclusive education, policy implementation and effective learning practices for children with dyslexia. A delegation of 80 students from different departments participated, along with faculty members Dr. Kishalay Bairagi and Ms. Debasmita Sen. The walkathon offered a visible platform for spreading the message of awareness, while the panel discussion provided an opportunity to understand issues related to learning support and inclusive educational practices. The participation of students from different departments reflected an institute-wide engagement with the cause.





Outcome of the Program: The event enhanced awareness and understanding of dyslexia among students and faculty members. It promoted empathy, inclusion and equal learning opportunities and encouraged participants to support inclusive educational practices and community welfare. The programme encouraged participants to look beyond misconceptions about dyslexia and appreciate the need for patience, understanding and appropriate educational support. It also strengthened students' awareness of inclusion as an important aspect of social responsibility.

✓ Blood Donation Camp on 8th October 2026



Objective of the Program: The camp aimed to cultivate empathy and a spirit of volunteerism and to create awareness about the importance of voluntary blood donation for patients requiring blood during medical emergencies, surgeries and treatment. The programme also sought to motivate young people to recognise voluntary blood donation as a meaningful form of community service and to understand the importance of following medical guidance during the donation process.

Number of Participants: 107 blood donors



Description of the Program: The NSS Unit of Narula Institute of Technology organised Blood Donation Camp 2026 in collaboration with HMC Rotary Blood Centre, Howrah, under the guidance of Dr. Animesh Roy. The medical team supervised the camp and ensured that the donation process followed the necessary medical and safety procedures. Donors completed registration and preliminary screening before donation. The importance of donor eligibility, hygiene and post-donation care was also emphasised. The camp witnessed an encouraging response, with 107 individuals donating blood. The involvement of the medical team ensured that the camp was conducted under professional supervision, while the screening and post-donation guidance helped maintain attention to donor safety. The participation of 107 donors reflected a positive response to the appeal for voluntary contribution.

Outcome of the Program: The camp contributed to the availability of blood for patients in need and reinforced the importance of regular voluntary blood donation. The participation of donors reflected a spirit of humanity, compassion and willingness to serve the community. The successful conduct of the camp highlighted the value of organised blood donation initiatives in supporting healthcare needs. It also promoted a culture of compassion and voluntary service among the institute community.

✓ Surya Shakti Abhiyan: Promoting Solar Energy through NSS on 6th OCTOBER

Objective of the Program: The programme aimed to create awareness among local shopkeepers, restaurant owners and community members about the benefits and applications of solar energy and to encourage the adoption of renewable energy for domestic and commercial use. Another important objective was to enable students to communicate technical concepts in a simple and practical manner while interacting with members of the local community.

Number of Participants: 30 first-year Electrical Engineering students



Description of the Program: The NSS Unit organised "Surya Shakti Abhiyan: Promoting Solar Energy through NSS" at Nilgunj Road. Thirty first-year Electrical Engineering students participated by demonstrating innovative models related to solar energy and its practical applications. The activity was conducted with the guidance and motivation of the NSS Unit, with faculty member Kamalika Banerjee. Students interacted with local shopkeepers, restaurant owners and community members, explaining how solar energy can reduce electricity consumption and energy costs while minimising environmental pollution. Through model demonstrations and discussions, they highlighted the use of solar energy in domestic and commercial settings. The use of student-developed models helped make the discussion more interactive and offered local residents a practical introduction to solar-energy applications. The programme connected classroom-based technical learning with community awareness and the wider goal of sustainable energy use.





Outcome of the Program: The programme enhanced awareness of renewable energy and sustainable energy practices among local residents. It also helped students develop technical communication, teamwork, leadership and community-engagement skills while encouraging environmental responsibility. The initiative provided students with valuable exposure to public interaction and community engagement while allowing them to apply their technical knowledge beyond the classroom. It also reinforced the importance of renewable energy in reducing dependence on conventional electricity sources.

✓ The Drug-Free Pledge Campaign on 10th AUGUST

Objective of the Program: The campaign aimed to create awareness about the harmful effects of drug abuse and promote a healthy, disciplined and addiction-free lifestyle among students and members of the institution. The campaign further aimed to encourage students to act as responsible members of society by supporting awareness efforts and promoting healthy choices within their peer groups.

Description of the Program: The Drug-Free Pledge Campaign was organised by the Brahma Kumaris at the J.C. Bose Auditorium, Narula Institute of Technology. The programme sensitised students to the physical, psychological, social and economic consequences of substance abuse. Representatives of the Brahma Kumaris highlighted the importance of self-discipline, positive thinking, emotional well-being and responsible decision-making. Students were encouraged to resist peer pressure and spread awareness about the dangers of substance abuse among their peers, families and communities. As part of the programme, participants took the Drug-Free Pledge and committed themselves to staying away from drugs and other harmful addictive substances. The discussions and pledge together conveyed that prevention of substance abuse involves awareness, personal commitment and support from the wider community. The programme placed emphasis on positive values and informed choices as important elements in leading a healthy life.

Outcome of the Program: The campaign reinforced the importance of a drug-free lifestyle, responsible citizenship and youth well-being. It encouraged students to make informed choices and contribute towards creating a healthier and drug-free society. The campaign provided a platform for students to reflect on the consequences of substance abuse and their role in promoting a safe and supportive environment. It strengthened the message of collective responsibility in working towards a drug-free society.

✓ Eye Testing Camp on 10th AUGUST

Objective of the Program: The camp aimed to promote eye-health awareness and provide basic vision-screening facilities to students, faculty members, staff and members of the local community. The initiative also focused on encouraging early attention to vision-related difficulties and helping participants understand the importance of seeking professional advice when symptoms arise.

Description of the Program: The NSS Unit of Narula Institute of Technology organised an Eye Testing Camp at Room 503 in collaboration with a team of qualified ophthalmologists and optometrists from an eye-care organisation. The camp included vision screening, detection of refractive errors and consultations on eye-related issues. Participants received professional guidance on eye-care practices, the use of corrective lenses and measures to prevent eye strain caused by prolonged use of digital devices. Individuals requiring further medical attention were advised to consult specialised eye-care centres. NSS volunteers assisted with registration, guided participants through the screening process and helped maintain orderly arrangements. The presence of eye-care professionals enabled participants to receive guidance based on their screening and consultation. The NSS volunteers supported the smooth conduct of the camp by helping participants move through the different stages of registration and examination.

Outcome of the Program: The camp highlighted the importance of preventive healthcare, early detection and regular eye examinations. It also provided NSS volunteers with an opportunity to develop organisational skills, empathy and a sense of responsibility towards public health. The camp strengthened awareness of eye care within the institute and the surrounding community. It also demonstrated how preventive health initiatives organised on campus can help connect people with basic screening and professional guidance.

✓ Celebration of International Yoga Day 2026

Objective of the Program: The programme aimed to promote health and harmony and to create awareness among students about the importance of yoga for physical and mental well-being. It also sought to familiarise students with simple practices that can be incorporated into their daily routine to support physical fitness, mental calmness and a balanced lifestyle.

Number of Participants: 56 students

Description of the Program: The NSS Unit of Narula Institute of Technology celebrated International Yoga Day 2026 in association with Simurali Yog Prashikhan Kendra. Ms. Nirupama Saha Mondal was associated with the programme as the resource person. Instructors guided the participants through various yoga practices and exercises, highlighting the benefits of regular yoga, including improved flexibility, concentration, stress management and overall well-being. The session also emphasised correct posture, breathing techniques, discipline and mindfulness. The

guided session provided participants with practical exposure to yoga and mindfulness rather than limiting the celebration to an awareness talk. Students were encouraged to pay attention to their breathing, posture and concentration while performing the exercises.





Outcome of the Program: The programme helped students understand techniques for stress management and anxiety reduction and ways to improve focus and concentration. It also encouraged participants to respond calmly to challenges and recognise the value of incorporating yoga into daily life. The celebration reinforced the relevance of yoga as a regular practice for maintaining health and harmony. It encouraged students to apply the techniques introduced during the session in their daily lives.

✓ World Earth Day 2026: Environment Awareness Programme

Objective of the Program: The programme aimed to create awareness about environmental protection and conservation, promote sustainable practices and encourage students to contribute to a greener environment. The programme also aimed to make students aware that environmental protection requires individual as well as collective efforts, and that small actions can contribute to a healthier and more sustainable campus.



Number of Participants: First-year students from various departments

Description of the Program: World Earth Day 2026 was celebrated by the Environment Club, ECO Vision Club, in association with the NSS Unit of Narula Institute of Technology. The celebration featured poster-making and oral presentation activities based on the theme "Our Power, Our Planet". Students presented informative posters and PowerPoint presentations highlighting environmental issues and sustainable practices. Participants also took part in a tree plantation drive by planting flowering plants. The activities provided a platform for students to express their ideas on protecting the planet and maintaining ecological balance. The combination of creative presentations and practical plantation activities enabled students to engage with the theme through both discussion and action. The activities also encouraged them to reflect on the role they can play in protecting natural resources and maintaining ecological balance.





Outcome of the Program: The programme enhanced students' awareness of environmental issues and the importance of sustainable living. It encouraged participants to adopt eco-friendly practices and reinforced the importance of collective responsibility in preserving the environment. The programme provided an opportunity for students to communicate environmental concerns, share ideas and take part in a constructive campus-level conservation activity. It reinforced the message that environmental awareness should be reflected in everyday habits and responsible choices.

✓ Blanket Distribution Programme on 25th december

Objective of the Program: The programme aimed to provide warmth and comfort to underprivileged individuals during the winter season and to encourage empathy, kindness and social responsibility among students. The initiative also sought to translate the values of compassion and community service into practical action by encouraging students to identify and respond to the needs of vulnerable members of society.

Description of the Program: The students of Narula Institute of Technology organised a Blanket Distribution Programme as part of their social outreach initiative. Blankets were collected through donations and contributions from students and staff members and distributed in nearby areas among needy individuals, including elderly people, daily wage workers and homeless residents. The initiative was led by student volunteers with guidance and support from faculty members. The volunteers participated in organising and managing the distribution in a disciplined and systematic manner. The activity gave students an opportunity to engage directly in a community-oriented initiative and understand how collective contributions can provide timely assistance to people facing difficult circumstances during winter.





Outcome of the Program: The programme provided essential protection against the winter cold. The beneficiaries expressed their gratitude for the timely support. The initiative strengthened compassion, unity and a spirit of community service among the students. Beyond the immediate support provided to the beneficiaries, the programme encouraged students to recognise the importance of extending help to people in need and participating in similar social welfare activities.

✓ Diya of Hope: Visit to SHOISHOB Foundation

Objective of the Program: The outreach programme aimed to spread festive joy and inclusion, support emotional well-being through bonding, share the cultural values of Diwali, provide essential items and build lasting bonds of care. The initiative also aimed to make the festival meaningful for the children by creating an opportunity for shared celebration, participation and interaction with student volunteers.

Number of Participants: 75 students

Description of the Program: The NSS Unit of Narula Institute of Technology organised an outreach programme titled "Diya of Hope" at SHOISHOB Foundation as part of its community-engagement initiative. The programme was conducted in the spirit of Diwali and included cultural and interactive activities such as dance performances, singing sessions and a drawing competition. A supervised lighting of firecrackers was also organised. NSS volunteers distributed festive goodies and essential items among the children. The range of activities allowed children to participate according to their interests and provided an informal setting for interaction between the children and volunteers. The distribution of festive goodies and essential items complemented the cultural activities and supported the outreach objective of the visit.

Outcome of the Program: The programme encouraged confidence, creativity and emotional connection among the children and enhanced the festive spirit. It also strengthened the NSS volunteers' sense of social responsibility, empathy, humanitarian values, teamwork and commitment to community service. The programme created a shared festive experience and offered the volunteers an opportunity to understand the value of sensitive and inclusive community engagement. It reinforced the role of student-led outreach in promoting care, connection and social responsibility.





Chapter 7

CAREER GUIDANCE, TRAINING & PLACEMENTS

Overview:-

The Training and Placement Cell plays an important role in connecting students with employment opportunities and supporting their transition from academic learning to professional careers. The Cell coordinates with industries and organizations, facilitates campus recruitment activities, and supports students through career guidance and employability-development initiatives.

The Cell also encourages students to strengthen their technical knowledge, aptitude, communication skills and interview readiness. Orientation programmes, grooming sessions, mock interviews, workshops and industry interactions are among the activities that support students in preparing for recruitment processes.

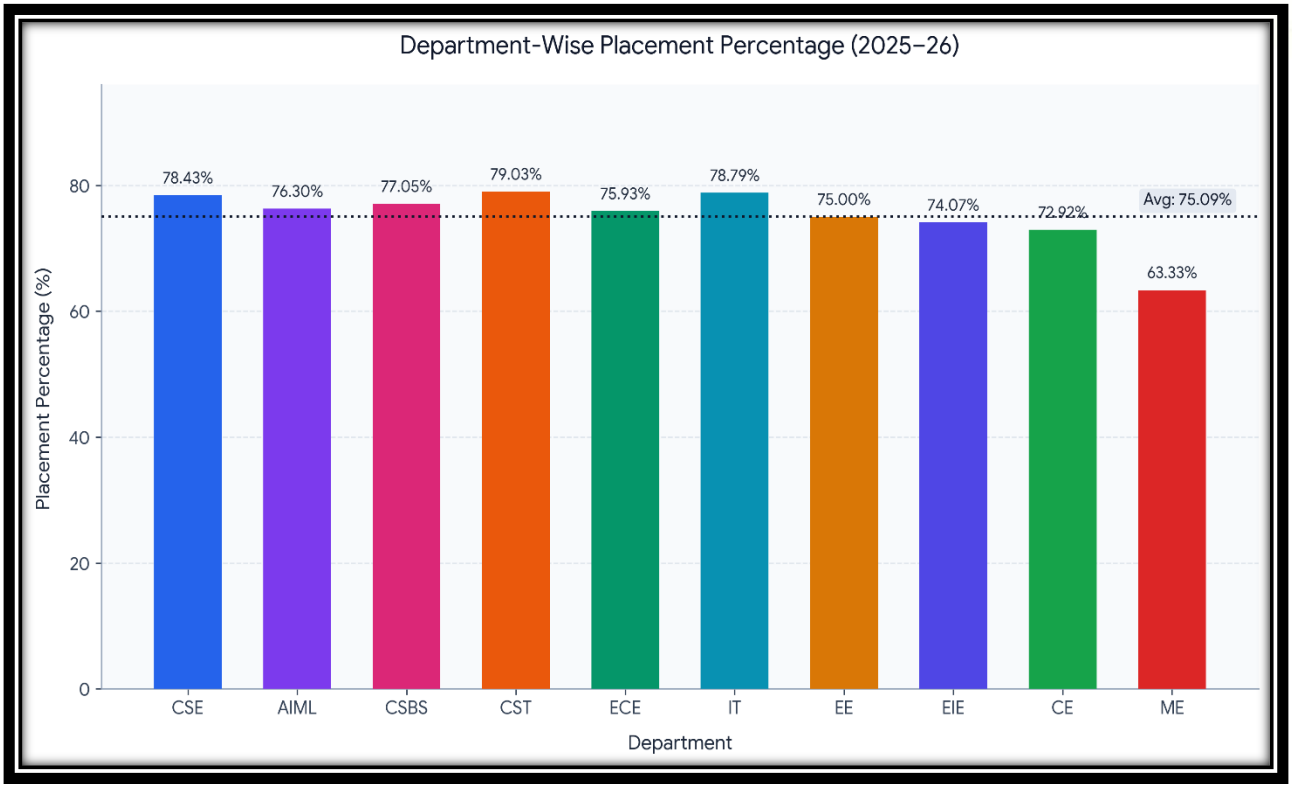
7.1 Placement Records

2026 Pass-out Batch

STREAM	TOTAL STUDENTS	NO. OF PLACED STUDENTS	PLACEMENT %
CSE	204	160	78.43%
AIML	135	103	76.30%
CSBS	61	47	77.05%
CST	62	49	79.03%
ECE	162	123	75.93%
IT	132	104	78.79%
EE	56	42	75.00%
EIE	27	20	74.07%
CE	48	35	72.92%
ME	30	19	63.33%
TOTAL	**917**	**702**	**76.55%**

The placement records above present the department-wise number of students, placed students and placement percentage for the two respective pass-out batches.

7.2 Analysis:



Overall placement performance increased from 76.28% in 2024–2025 to 76.55% in 2025–2026. The number of placed students increased from 685 to 702, while total student strength increased from 898 to 917.

7.3 Comparative Analysis :

Department	Placement % 2024–25	Placement % 2025–26
CSE	77.29%	78.43%
AIML	78.57%	76.30%
CSBS	83.33%	77.05%
CST	84.85%	79.03%
ECE	80.86%	75.93%
IT	79.20%	78.79%
EE	65.82%	75.00%
EIE	70.00%	74.07%
CE	65.52%	72.92%
ME	59.18%	63.33%

7.4 Key Observations:

- Total student strength increased from 898 in 2024–25 to 917 in 2025–26.
- The number of placed students increased from 685 to 702.
- The overall placement percentage improved from 76.28% to 76.55%.
- The largest department-wise decline was in CSBS (−6.28 percentage points), followed by ECE (−4.93 percentage points).
- Department-wise placement percentages increased in CSE, EE, EIE, CE and ME, while AIML, CSBS, CST, ECE and IT recorded a decline between the two batches.

7.5 Training and Placement Activities:

The supplied Training and Placement Cell notices document technical training and aptitude/soft-skill training for the 2024 and 2025 pass-out batches. The notices include batch-wise class schedules, department/section allocations, training time slots and the name of the conducting officer/trainer where specified. The schedules are reproduced below, and the original notices are included in Appendices A–D.

The supplied notices establish the announced commencement dates and schedules; they do not state attendance totals, completion rates, student feedback or measurable training outcomes. Such figures have therefore not been inferred.

7.6 Notes:

The 2025–2026 figures are taken from the 2026 pass-out batch placement record previously supplied. The placement data contains department-wise total students, placed students and placement percentages. The additional notices provide training schedules for the 2025 and 2026 pass-out batches. Company participation counts, company-wise offers, salary/package information, higher-studies statistics, student-status breakdowns and training attendance/outcome figures were not provided and have not been assumed.

7.6.1 Technical Training – 2025 Pass-out Batch

Notice dated 2 November 2023: technical training classes for the 2025 pass-out B.Tech. and MCA batch were announced to commence from 6 November 2023.

Day	11:20 a.m.–12:40 p.m.	1:20–2:40 p.m.	3:20–4:40 p.m.	Conducted by
Monday	CSE 3C & 3B	CSE 3A & CSAIML 3	BCA 2	Mr. Debanjan Mitra
Wednesday	CSBS 3 & CST 3	—	—	Room No. 303
Thursday	EE 3, EIE 3, CE 3, ME 3	ECE 3A & 3B	IT 3A & 3B	—

The notice states that all students must attend the training programme. The conducting officer and room number are given in the notice as Mr. Debanjan Mitra, Room No. 303.

7.6.2 Aptitude and Soft Skill Training – 2025 Pass-out Batch

Notice dated 10 February 2024: aptitude and soft-skill training classes for the 2025 pass-out B.Tech. and MCA batch were announced to commence from 15 February 2024.

Day	Trainer 1	Trainer 2	Trainer 3
Monday	ECE-A	CSE-A	ECE-B
Tuesday	IT-A & IT-B	CE & ME	CSE-C & AIML
Wednesday	CSE-C & AIML	MCA & CSBS	EE & EIE
Thursday	CSE-A	ECE-A	ECE-B
Friday	IT-A & IT-B	CE & ME	CSE-C & AIML
Saturday	CSE-C & AIML	MCA & CSBS	EE & EIE

The notice specifies Monday-to-Friday classes from 10:00 a.m. to 12:00 noon and states that all students must attend the programme. The supplied timetable also lists Saturday allocations.

7.6.3 Summary of Documented Training Activities

Pass-out batch	Training programme	Notice date	Announced commencement
2025	Technical training	2 November 2023	6 November 2023
2025	Aptitude & soft-skill training	10 February 2024	15 February 2024

These records document planned training schedules for the 2025 and 2026 pass-out batches. They are included as supporting evidence of Training and Placement Cell activities.

CORE FEATURES

A safe and peaceful environment • Relevant and responsive to the changing needs of our students and the society • Academic autonomy and flexibility • Sustainable and all-inclusive growth, including community outreach programs • Lifelong commitment to learning • Encouragement of merit • Passion and motivation for work • Professionalism • Respect for law • Concern for the improvement of the society • Transparency in functioning of the Institute • Dedication to the Institute Values • Meritocracy • Unparalleled quality and excellence • Honesty, Integrity, Sincerity and Devotion • Trust and freedom with accountability • Appreciation and celebration of creativity • Willingness to try new ideas and make mistakes • Social and Moral responsibility • Respect for every individual, and diversity

WE THUS TARGET

To build and develop an excellent institution for creating and imparting knowledge at the undergraduate, post graduate and doctoral levels, contributing to the development of the nation and the humanity at large.

- To develop leaders with vision, creative thinking, social awareness and respect for our values.
- To foster excellence in teaching and research to make a global impact.
- To be the leader for academic and industrial collaborations in various disciplines, nationally and internationally.
- To create awareness of the true significance of learning and teaching.
- To enrich local schools and communities through value-added interactions.
- To encourage excellent language skills as part of the institutional culture.
- To prepare students not just for their first job but last job as well.

I thus thanking all the stakeholders of this Institute conclude presenting the annual report of 2025-26.