



BPPIMT - NEWSLETTER

A Half-yearly In-House Magazine

of

B.P. Poddar Institute of Management and Technology

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Issue - 54, July 2023

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Vision

- To emerge as a progressive and premier Institute for Engineering and Technology education with ethical values for creative engineering solutions commensurate with global changes.

Mission

- Offer quality education through modern accessible, comprehensive and research oriented teaching – learning process.
- Create opportunities for students and faculty members in acquiring knowledge through research and development.
- Providing effective interface with industry by strengthening Industry-Institute interaction and developing entrepreneurial skills.
- Meet ever-changing needs for the nation through rational evolution towards sustainable and environment friendly technologies.

Balancing Academics, Internships and Campus Life in a Competitive Era

In today's highly competitive environment, students are expected to excel not only in academics but also in practical exposure and skill development. The pressure to secure good grades while pursuing internships, certifications, and extracurricular activities can often feel overwhelming. While these experiences are essential for career readiness, the challenge lies in maintaining a healthy balance.

Internships and skill-based learning provide real-world insights that classrooms alone cannot offer. However, constant hustle without adequate rest can affect mental well-being. Students must learn effective time management, prioritize tasks, and recognize the importance of breaks and self-care.

Colleges play a crucial role in supporting this balance. By offering flexible academic structures, accessible counselling services, and opportunities for experiential learning, institutions can foster holistic growth. Encouraging a culture that values both achievement and well-being is key.

Ultimately, success is not just about productivity but sustainability. A balanced approach ensures that students grow not only as professionals but also as healthy, well-rounded individuals ready to face future challenges.

Prof. (Dr.) Sutapa Mukherjee
Principal
BPPIMT

ACADEMIC NEWS:

Publications:

Journal:

- Smart Recognition System for High Security Zone, **Ivy Majumdar, Surajit Mandal**, February 2023 (Google Scholar Journal (IJRASET))
- Efficient Storage and Encryption of 32-Slice CT scan Images Using Phase Grating, **Arijit Saha**, February 2023 (SCIE journal).
- Ultra-low voltage adenine based gas sensor to detect H₂ and NH₃ at room temperature: First-principles paradigm, **Debarati Dey Roy**, February 2023 (SCI).
- Bio-molecular nano scale devices using *first principle* paradigm: A comprehensive survey, **Debarati Dey Roy**, April 2023. (Scopus)
- Review on the Evolution of 6G and Terahertz Communication for high speed information processing, **Pia Sarkar, Arijit Saha**, January 2023. (Scopus)
- Factory Monitoring and Alert System, **Surajit Mandal, Ivy Majumdar**, January 2023. (IJRASET)
- Factory Monitoring and Alert System, Arko Sen, Agrika Gupta, Ankit Banerjee, January 2023. (IJRASET). Student Publication

- Optimal switching scheme of thyristor-controlled LC compensator to enhance the power quality in unbalance distribution system, **Anushree Roy**, March 2023.
- Detection of changes in synthetic aperture radar images using Modified Gauss-Log ratio and Fuzzy Information C-Means clustering, **Bikromaditya Mondal**, April 2023

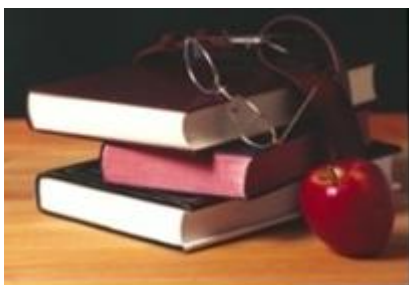
Conferences:

- Implementation and Investigation of Quantum Characteristics of Cytosine Single-walled Nanotube Transistor: A DFT based Approach, **Debarati Dey Roy**, February 2023
- An Efficient Targeted Influence Maximization based on Modified IC Model, **Soumi Tokdar, Ananya Kanjilal**, February 2023.

Book Chapters:

- Design of Super-Achromatic Phase Controlling Assemblies for THz Spectro-Polarimetric Imaging System Using Metaheuristic Optimization technique, **Arijit Saha**, April 2023.

PATENTS & COPYRIGHT



- Electrically doped DNA and iron quantum dot spintronic model, **Debarati Dey Roy, Arijit Saha**, March 2023.
- A Novel Artificial Intelligence based Earthquake Simulator for Investigation and Disaster Response Prediction, **Mousam Chatterjee, Vedatrayee Chakrabort, Susmita Biswas, Rashmita Mishra, Somali Sikdar**, March 2023.
- Novel IOT based Smart baby monitor, with Heart rate & Oxygen as Sleep Quality Indicators, **Mousam Chatterjee**, February 2023.
- A Novel IOT based Integrity Lifecycle Recumbent Device for Disabilities, **Mousam Chatterjee**, March 2023.

INSTITUTIONAL NEWS:

New Academic session

- The Even semester class for the session 2022-23 for 3rd year and 4th year of B. Tech and 2nd year MCA commenced on 10th January, 2023 and 1st year & 2nd year B. Tech and 1st year MCA & M. Tech commenced on 21st February, 2023.

Students Achievements:

- BPPIMT CSE Students Wins First Prize In 'Rural-Le-Carte', Amiphoria'2023, Amity University's Fest.
- Final year MCA students, Abhinandan Ghosh, Akash Dey, Esita Mishra & Shreelekha Saha of BPPIMT got selected in the final round of Young Engineers Award organized by YPS Section, IET Kolkata Local Network, Technical Collaboration with Patent Information Centre (PIC), West Bengal State Council of Science & Technology on 07/05/2023 for the Project "Early Detection of Autism & Autism Spectrum Disorder in Children using Machine Learning Techniques"

- The students of B.P. Poddar Institute of Management and Technology have once again come up with flying colours at an *Inter College Management and Cultural Fest* organised by ICFAI Business School, Kolkata at Swabhumi on 12th and 13th January 2023. Adrija Ghosh (1st year, ECE) participated in solo singing event and she has successfully brought us the 1st Runner up Position. Kanchan Tantubay (3rd year, CSE) also participated and presented a great performance. Both of them were skillfully accompanied by Uddipan Ghosh (2nd year, ECE) on guitar.



- Suryansh Gupta and Komal of CSE Department, BPPIMT took part in a business event, where they pitched their idea: 'VRAMAN' an eco-tourism venture with an aim of enhancing the lives of the localities of the place. They pitched their idea for investment in front of the panel, alongside they also marketed it to them.
- On the occasion of National Science Day 28th February, 2023, students of the department of

Electronics and Communication Engineering participated in a program organized by Science Association of Bengal in collaboration with SEED and Computer Society of India at Ramakrishna Mission Institute of Culture, Golpark where renowned Scientist, Doctors, Academicians delivered lectures. Students took part in model exhibition showing human following robot and CNC drawing machine model. Students also



participated and won prizes in extempore competition.

"MARGDARSHAN"

- The department of Electronics and Communication Engineering, B. P. Poddar Institute of Management and Technology (BPPIMT), Kolkata organized a two days' interactive sessions "MARGDARSHAN", for the budding Engineers on 29/04/23 & 06/05/23. First speaker Mr. Rupam Chowdhury, Jr. Engineer, Eastern Railway made aware the students on Public sector opportunities available to ECE students. Second speaker Mr. Soham Chatterjee, Application Developer Team Lead, Accenture informed the ECE audience about Opportunities in the IT sector.



Industrial visit

- On April 11th, 2023, the IET Kolkata Network organized a one-day industrial visit to the Water Treatment Plant in New Town, Action Area-I, Kolkata. Twelve 3rd-year students participated in the visit, which was supervised by Mr. Subhasish Das from the Department of Electrical Engineering and Mr. Aritra Ghosh, the YP Chair of the IET Kolkata Network, who ensured the smooth organization of the event.

Student Chapter Activities:

- SPIE Student Chapter, BPPIMT conducted an Orientation Program coordinated by students of 3rd Year ECE department, on 18th January, 2023 to share deep review about SPIE activities such as the industrial visits, quiz, workshops, model competitions and seminars.
- The Google Developers Cloud Group Kolkata organised an in-person meetup about Careering Cloud on January 21st, 2023 at the Institute. The event focused on "Cloud Careers: How to Get Started with Cloud Technologies and Google Cloud Certifications".
- SPIE Student Chapter, BPPIMT conducted a Social Awareness Program on 21st January, 2023 at G-Plot, Sundarban. The students along with Faculty Advisor Dr Ivy Majumdar and Dr Surajit Mandal, reached out to the children of Vivekananda Nivedita Study Centre, with the supply of Solar panel and light for their educational purpose.
- Students of Electronics and Communication Engineering department organised a School Awareness Program (SAP) on behalf of SPIE student chapter, BPPIMT on 1st March, 2023 in Nabagram Hiralal Paul Balika Vidyalaya, Rishra on the Basics of Ethical Hacking and Cyber Security.
- On 6th April 2023, the IEEE Student Branch Inauguration was held at B.P Poddar Institute of Management and Technology. The event was graced by four notable speakers, Ms. Nita Patel, President of IEEE Computer Society, Mr. Eric Berkowitz, Director of Membership IEEE Computer Society, Sayak Paul, ML advocate engineer at Hugging Face, and Prof. Shib Sankar Saha, Chairman of IEEE IAS Kolkata Chapter and HOD of EE at Kalyani Government Engineering College.



Conference/Seminar/Workshop organised

- A one-day workshop on Awareness of Electrical and Fire Safety has been organized by the department of Electrical Engineering in association with IIPC and Institute Innovation Council (IIC) at the Institute on 11th March, 2023. This Outreach Workshop was organized in collaboration with Baguiati Police Station under Bidhannagar Commissionerate to spread awareness on safety among local school students. Students and teachers from different schools, have participated in the workshop. The trainers from Bureau Veritas India Pvt. Limited conducted a lecture session on basics of Electrical and fire safety followed with different drills, including the rescue process under emergencies, water pump operation, demonstration of using CO2 and ABC type fire extinguishers, etc.



Abhigyan 2022



SPIE Student Chapter, BPPIMT in association with the department of ECE organized Abhigyan - The Annual Technical Quiz on 7th and 10th of May. Total 75 teams participated in the preliminary round on 7th May at online platform. Finale was conducted on 10th May at the auditorium of the Institute with 6 teams. Team "DEVTA" comprising of Priyanshu Mandal and Probuddha Bikas Chatterjee, became the winner of "Abhigyan 2022".

CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

● Forum and Cell Activities

- ✓ Medical assistance cell in association with NSS cell of the Institute observed Student's awareness week during 1st - 7th January, 2023 through various activities like Students Counseling Session on 6th January 2023 by Professional Counselor Ms. Aparna Ghosh and a Quiz on contemporary issues organised by Orator's Forum and the NSS Cell on 7th January, 2023.



- ✓ NSS Cell of the Institute has celebrated International Day of Yoga on 21st June 2023. To highlight the day, a Yoga session was organised to encourage all the Faculty & Staff and students to practice Yoga regularly.



- ✓ The NSS Cell and Medical Assistance Cell of the Institute jointly organised a Blood Donation Camp on the 17th of March 2023 in association with NRS Medical College and hospital and National Medical College and hospital.
- ✓ Performing Arts Forum (kalakriti) in association with NSS Cell of BPPIMT celebrated the Republic Day on 26th January, 2023 with flag hoisting ceremony at the college premises and a cultural event to mark the day.

- ✓ BPPIMT Intra-college cricket Tournament 2023, was held at NKDA, Cricket ground, New Town during 22nd to 25th February, 2023. The final match was held on 2nd March 2023, between ECE and CSE with CSE as Champion.



- ✓ BPPIMT Girls Throwball Competition was held at West Bengal Volleyball Association Club during 23rd - 24th February, 2023. The final match was held on 24th between CSE and IT with CSE as champion.
- ✓ A session on "Oral health Awareness" was organised by the NSS Cell in association with Medical Assistance Cell on 17th March, 2023. Dr. Tamanna Hoque enlightened the audience on various aspects of Oral health, Orthodontics and Cosmetic dentistry.



- ✓ Department of Computer Applications along with NSS Cell of the Institute organized a Self Defense Programme "Be a Warrior" for the 1st year girl students on 28th February, 2023 with Mr. Gourav Banerjee, an internationally accredited Self-Defense & Mindfulness Coach as trainer for training self-defense techniques.

- ✓ NSS cell and Medical Assistance cell of the Institute organized an Awareness programme on "organ donation and transplantation" on 18th March, 2023 in association with "GANA DARPAN ", a social service organisation with Guest Speakers Dr. Panchalli Datta, Assistant Professor, Department of Anatomy, NRS Medical College, Mr. Sudipta Saha Roy, Mr. Manish Sarkar Mr. Swapan Bandhu from Gana Darpan and Dr. Anindya Sen, Institute Consultant Physician.



- ✓ B.P.P.I.M.T. 1st year B. Tech students have created and designed the Wall Magazine "Stepping Stones" in May 2023.

- ✓ The Google Developer Student Club, BPPIMT organised two sessions on Introduction to Kubernetes and Introduction to Offensive Security on 8th April 2023 in association with Techforum Abhiyantran.

● Festivals & celebrations

▪ Sarawasati Puja

Saraswati puja was celebrated at the Institute on 26th January, 2023 with grand fervour and festivity.

▪ Techno-Cultural Fest



The Techno Cultural Fest of the Institute was celebrated during 22nd - 25th March and on 2nd April, 2023 with Inauguration ceremony held on 22nd March, 2023. The Technical Fest Techstorm 2.23 was held during 22nd - 24th March, 2023 with various inter college completions like robotics, coding, computer games, movie making, Laser games, app development, mathematics and hardware model development etc.

The cultural Fest Elixir '23 was held at the Institute during 24th & 25th March

through various inter college competition like singing, dance, theatrics, Band, Fashion show etc. The Final Gala event was organised at Newtown Mela Ground on 2nd April, 2023 with popular Singer Anindya Chatterjee from Bangla Band Chandrabindu and guest Artists Nakash Aziz, Hricha Narayan and Dj Aziz.

● IIC Activities

A session on Report on the IPR Awareness Programme was conducted on 23rd February, 2023 with Dr. Kausik Bag, (Examiner of Patents & Designs & NIPAM Officer), Indian Patent Office, Kolkata as speaker.

▪ An Expert Talk on Process of Innovation Development, Technology Readiness Level and Commercialization of Lab Technologies & Tech-Transfer by Mr. Rahul Joshi, Functional Consultant, Tata Consultancy Services on 23rd February, 2023.

▪ Workshop on Design Thinking, Critical Thinking and Innovation was organised on 25th February, 2023 with speaker Mr. Arijit Hajra, CEO & Founder of Think Again.

▪ An 'Inter-school Science Exhibition cum Competition on Innovation' was organised Institution's Innovation by Council & Entrepreneurship Development Cell on 28th January 2023. 50 students from different schools have participated with creative models.



● IIPC Activities

▪ Industry talk on "Recent trends in IT" was organized by Dept. of MCA with speaker Mr. Rahul Joshi on 23rd March, 2023

Editorial Committee: The Editorial Committee consists of a team of Faculty Members with Prof. (Dr.) B.N. Chatterji, Former Dean Academics as the Chief Editor, Prof. (Dr.) Sutapa Mukherjee, Principal as the Chief Advisor and Dr. Rikhiya Dhar Assistant Professor, Ms Shaswati De, Assistant Professor as the Joint Editor of the Newsletter.

▪ **Call for Contributions:** Contribution for the Newsletter on the global and national news related to technical, economical, philosophical and general science etc. is solicited from all the members of the BPPIMT family and the students. The prospective contributors are requested to send their writings in about 200 words electronically to the mail address: bppimnewsletter@bppimt.ac.in. Publication in the Newsletter is at the full discretion of the Editorial Committee.