



BPPIMT - NEWSLETTER

A Half-yearly In-House Magazine

of

B.P. Poddar Institute of Management and Technology

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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.

Technology in Education: Boon, Challenge or Both?

In today's rapidly evolving world, technology has become an inseparable part of education. From AI-powered tools and virtual classrooms to online learning platforms, digital innovation has transformed the way students learn and teachers teach. Smart classrooms and hybrid learning models have made education more flexible, interactive, and accessible beyond geographical boundaries. Students can now access lectures, research materials, and skill-based courses with just a click.

However, the growing dependence on technology also raises serious concerns. Excessive reliance on AI tools may weaken critical thinking and creativity among students. Issues of academic integrity, such as plagiarism and misuse of artificial intelligence in assignments, are becoming increasingly common. Moreover, unequal access to digital resources still creates a divide between learners.

Technology in education is therefore both a boon and a challenge. The future of education lies not in replacing human learning with machines, but in using technology responsibly to enhance knowledge, innovation, and ethical learning practices.

Prof. (Dr.) Sutapa Mukherjee
Principal
BPPIMT

ACADEMIC NEWS:

Publications:

Journal:

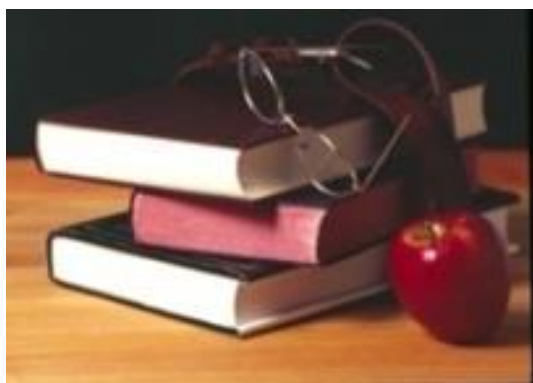
- ✍ Design & Performance Analysis of BPON using Transposed Modified Walsh code, **Somali Sikdar, Madhumita Sarkar**, July 2022 (SCI).
- ✍ Investigation of anomalous photon management in organic nano particles-coating photovoltaic solar cells, **Debarati Dey Roy, Arijit Saha**, November, 2022 (SCIE journal).
- ✍ Review and Approximate Analysis of Edge Detection Algorithms using MATLAB, **Surajit Mandal**, August 2022. ((IJIRT)
- ✍ Effects of vanadium doping on the charge ordering and low-temperature spin-glass phase in $\text{Pr}_{0.45}\text{Ca}_{0.55}\text{MnO}_3$, **Esa Bose**, November 2022. (SCI)
- ✍ A deep learning-based SAR image change detection using spatial intuitionistic fuzzy C-means clustering, **Bikromaditya Mondal**, August 2022. (SCI)
- ✍ A deep Learning Approach to Sarcasm Detection from Composite Textural Data, **Bikromaditya Mondal**, December 2022. (UGC Care)
- ✍ Promotional Predictive Marketing: User Centric Data Driven Approach, **Soumi Tokdar, Ananya Kanjilal**, August 2022. (Scopus)

- ✍ Digital Image Steganography: A literature Survey, **Pratap Ch. Mandal, Prof. B. N. Chatterji**, September 2022. (Scopus)
- ✍ Transformer Based Knowledge Graph Construction in Adverse Drug Reactions Prediction from Social Media Reviews, **Arijit Dey**, October 2022. (Scopus)



Conferences:

1. Design and Analysis of 2nd-Order Bandpass Filters using SIW and Microstrip Patch Transitions with Stub Matching, **Rashmita Mishra**, July 2022 (Google Scholar conference).
2. Spin transport properties in DNA & electrically doped iron QD organo-metallic junction, **Debarati Dey Roy**, September 2022. (Scopus).



PATENTS & COPYRIGHT

- Photon management for organic nano photo voltaic cell, **Debaraty Dey Roy, Arijit Saha**, July 2022.

INSTITUTIONAL NEWS:

New Academic session

- Odd semester classes (offline) for 22-23 session started from 14th July, 2022.

Alumni interactive sessions:



- The Department of Computer Applications of B. P. Poddar Institute of Management & Technology, hosted a seminar on "Recent Trends in IT 2.22" on 27th of August, 2022 for the students of MCA. Our MCA Alumni of 2011 passout, Mr. Rahul Joshi, was the Guest Speaker for the event.

- The department of Computer Science and Engineering with the partnership of the Industry Institute Partnership Cell has organised a lecture session on 26th September 2022. The speaker was Mr. Ashesh Das Lead in Business Analytics and Research in Fidelity Investment.

Faculty achievement:

- ARITRA GHOSH, Assistant Professor, Department of Electrical Engineering, Chairman YPS, IET KOLKATA LOCAL NETWORK, is honoured to attend IET Young Professionals Summit 2022 at London, United Kingdom at IET London: Savoy Place De Vere Grand Connaught Rooms during 11th - 12th November 2022.



Students Achievements:

- Mookul Paul secured 2nd place in Technovation 2022 organized by Heritage Institute of Technology.
- Randrita Sarkar got recognition as
 - "BEST GIRLS TEAM". by Webwiz at NIT, Rourkela
 - Face Mesh App added in official app portal of "STREAMLIT" cloud
- Suryansh Gupta and Komal of CSE Department, BPPIMT took part in a business event, where they pitched their idea: 'VRAMAN' an eco-toursim venture with an aim to enhance the lives of the localities of the place. They pitched and marketed their idea for investment in front of the panel.

Industry Visit:

- Department of Electronics & Communication Engineering jointly with SPIE student chapter BPPIMT, organized a one-day Industrial Visit at PowerGrid Corporation of India, Subhashgram, on 18th November, 2022. Total 41 students from 2nd, 3rd and 4th year participated in this industrial visit. The sub-station officials of PowerGrid explained in detail the working principle of 220 KV and 400 KV switchyard, auto transformer, Relay, control room and the various processes involved in transmission of electricity to CESC and WBSEDCL.



- A one-day industry visit was successfully organized by the faculty and student members of Department of Information Technology in association with Industry Institute Partnership Cell on 30th November, 2022 at Euphoria GenX Sec-V, Salt Lake, Kolkata. Total 31 students participated in this industrial visit. The students learnt the basics of Python Django with a live project demo.



- A one-day industry visit was organized by the Department of Electronics & Communication Engineering in association with Industry Institute Partnership Cell on 16th December, 2022 at Euphoria GenX, Kolkata. Total 45 ECE students participated in this visit, where experts enlighten students about recent industry trends with a live project demo.

- Industrial visit at Fibro Plactichem Pvt. Limited was conducted by the IET Kolkata Local Network jointly with IET TISL chapter and IET BPPIMT chapter on 19th December 2022. Five students of Electrical Engineering along with two faculty members Mr. Aritra Ghosh and Mr. Subhasish Das successfully completed the training.



- A one-day industrial visit was organized by the department of Electrical Engineering at Durgapur Steel Thermal Power Station (DSTPS), Andal, on 9th September, 2022.

Student Chapter Activities:

- Department of Electronics & Communication Engineering in association with SPIE student chapter BPPIMT, organized annual inter departmental technical quiz Abhigyan 2022 on 19th and 22nd of July.



- Students of Electronics & Communication Engineering Department conducted a school awareness program (SAP) on behalf of SPIE Student Chapter, BPPIMT, at Naskarpur Higher Secondary School, Chandannagar, Hooghly on 13.09.22. They explain the performance of automatic street light designed with Arduino and LDR
- One day workshop on “Embedded Systems and Robotics” organized by SPIE student chapter & ECE dept.in association with ARDENT Computech. Pvt. Ltd. on 14th September, 2022.



Conference/Seminar/Workshop organised:

- The Department of Electrical Engineering organized a 1- day seminar on the topic “Internet of things” on 24th September, 2022 (Saturday). It is an initiative by the department to provide a glimpse of the current industry scenario, the opportunities to be explored and the exciting challenges to be met in this field to the upcoming Electrical Engineering graduates.
- On 3rd October, 2022 Webinar was organised on “Prospects and opportunities in Data Sc. and IoT” by Rajat Biswas, CMO, Anwasha Knowledge Tech.



- Department of Computer Science and Engineering in collaboration with the Industry Institute Partnership Cell organised a 1-day workshop session on the topic of CROSSDOMAIN RECOMMENDER SYSTEM AND ANALYTICS USING DATA SCIENCE on 20th October 2021. The session was conducted by ARDENT COMPUTECH PVT LTD. The focus of this

session was to provide the students with the fresh and upcoming areas in computer technologies

“Green Minds 2.22”

- “Green Minds 2.22”, a one-day program of competition of Model/ Idea Presentation for Class IX



-XII school & polytechnic students on “Alternate Source of Energy and Energy Sustainability”, was organized by the Department of Electrical Engineering, B.P. Poddar Institute of Management and Technology on 23rd July, 2022. The



event was started with an enlightening lecture by our honourable speaker, Dr. Hiranmay Saha, Chair Professor, Institute of Engineering Science and Technology, Shibpur on Renewable energy system. Dr. Jitendranath Bera, Electrical Engineering, Department of Applied Physics, University of Calcutta; Ms. Atreyi Basu, Academic Coordinator, Techno India Group Academia, South Kolkata and Dr. Swati Moitra (Sen), M.Sc., Ph.D., Associate Professor, Vidyasagar College, were the three external judges for this event. The participants presented their hardware model with the ideas



CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

● Forum and Cell Activities

- 75th Independence Day was celebrated by flag hoisting at Institute & Cultural Event organized by NSS Cell and Performing Arts Forum (Kalakriti) on 15th August, 2022.
- Sadbhavana Diwas was organised by NSS cell in association with Performing Arts Forum (Kalakriti) on 26th August 2022.
- Annual Football Tournament was held during 6th -10th September,2022 with final match between CSE and ECE department on 10th September, 2022 at NKDA. CSE team became the champion.
- Annual Quiz competition *Grey Matters* organized in association with BPPIMT alumni Association on 15th October, 2022. The program ended with a stage play by the drama unit Rangamancha.
- The Vigilance Awareness Week was observed at the Institute from 31st October to 6th November 2022 in association with NSS Cell, Visual Arts and Orators Forum of the Institute along with the Airport Authority of India (AAI), Kolkata through various student activities. Citizen Integrity Pledge taking, Drawing & Debate competition on the theme "Corruption free India for a developed Nation" were conducted with great success.

● Festivals & celebrations

- Viswakarma Puja was celebrated on 17th September, 2022 with full participation of student, faculty and staff members
- Departmental Wall Magazine were published in all departments
- Present and former Senior Professors and other senior members associated with the Institute were felicitated on 6th September, 2022 as part of Teachers' Day celebration. Along with that Faculty members were felicitated for their excellence in academic, administrative and R& D activities
- 24th foundation day celebration at the institute on 11th September, 2022

● IIC Activities

- A one-day workshop on 'Entrepreneurship & Innovation as Career Opportunity' with speaker Mr. Arijit Bhattacharyya, Founder & CEO of Virtual infocom was conducted on 17th November,2022.
- A session on Problem Solving and Ideation was organised on 24th November, 2022 with speaker Mr. Abhijit Gupta, Assistant Professor, Department of Basic Science and Humanities, BPPIMT & Dr. Esa Bose, Assistant Professor, Department of Engineering Physics as speakers.

● IIPC Activities

- An Industry Orientation Program was organized for the first-year students in collaboration with CTS on 18th November, 2022
- Institute collaborated with Alteryx SparkED with an objective to build industry ready future manpower. To bridge the between industry and academia various FDPs and workshops were organised.
- Institute has partnered with Palo Alto Networks Cyber security Academy to bridge the gap with industry through improvement in teaching learning process.

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: bppimtnewsletter@bppimt.ac.in. Publication in the Newsletter is at the full discretion of the Editorial Committee.