



BPPIMT - NEWSLETTER

A Half-yearly In-House Magazine

of

B.P. Poddar Institute of Management and Technology

Email: bppimtnewsletter@bppimt.ac.in

Issue - 54, January 2024

Chief Advisor: Prof (Dr.) Sutapa Mukherjee

Editor in Chief: Prof (Dr.) B.N. Chatterji



**Late B.P. Poddar
(1920-1981)
Founder
B.P. Poddar Group**

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.

Youth Leadership and Social Responsibility: Role of Students in Nation Building

The strength of a nation lies not only in its policies and institutions but in the vision and character of its youth. Students today are not merely learners; they are future leaders, innovators, and responsible citizens who will shape the country's destiny. Youth leadership begins with awareness—of social issues, environmental challenges, and civic responsibilities.

In recent times, students have actively participated in social initiatives, environmental campaigns, and community service programs. Organizations like the National Service Scheme and National Cadet Corps provide platforms to develop discipline, teamwork, and a spirit of service. Such engagement nurtures empathy and accountability toward society. Leadership is not limited to large movements; it begins with small, consistent actions like volunteering, spreading awareness, and practicing ethical conduct.

As we move through rapid technological and social change, students' responsibilities grow. Education must extend beyond academics to character building and civic consciousness. By combining knowledge with compassion, students can contribute meaningfully to nation building. The future of our nation rests in the hands of its youth. When students lead with responsibility and purpose, they transform not only their institutions but society at large.

Prof. (Dr.) Sutapa Mukherjee
Principal
BPPIMT

ACADEMIC NEWS:

Publications:

Journal:

- **Abhijit Bhattacharya**, Kamlesh Kumar Dubey, and **Bikromaditty Mondal**, “Volume of an n -dimensional Polyhedron: Revisited,” *Journal for Geometry and Graphics*, HELDERMANN VERLAG, GERMANY, ISSN: 1433-8157, vol. 27, no. 1, pp. 001–009.
- Salmoli Chandra, **Jayeeta Chanda**, Sukumar Chandra, “Prediction of Cardiovascular Disease Using Machine Learning Algorithms on Healthcare Data,” *Journal of Advanced Zoology*, vol. 44, pp. 1215, Sep 2023.
- M. Pal Singh, J. K. Rakshit, M. Hossain, **S. Mandal**, and J. N. Roy, “Design and implementation of polarization rotation and conversion-based 3×3 ultrafast all-optical ternary switch using microring resonator”, *J. Opt. (India)* 53 (07 Oct 2023). 2709-2719, ISSN 0974-6900.
- M. Hossain, K. Mondal, D. Kumar, J. K. Rakshit, and **S. Mandal**, “Design and study of silicon microring resonator based all-optical binary-coded decimal adder”, *Opt Quant Electron* 2023, 55(12), 1100 (28 Sep 2023). ISSN: 0306-8919.
- **Debarati Dey Roy**, Debashis De, “Predicting model of I-V Characteristics of quantum-confined GaAs nanotube: A Machine learning and DFT based combined framework”, *Journal of Computational Electronics*, Springer (SCI), Vol. 22, No. 4, pp. 999-1009, Aug 2023. Print ISSN: 1569- 8025.
- **Debarati Dey Roy**, Pradipta Roy, Debashis De, “Machine learning and DFT-based combined framework for predicting transmission spectra of quantum-confined bio-molecular nanotube”, *Journal of Molecular Modeling*. Vol. 29, No. 11, pp. 338.
- **Dolon Champa Das**, “Teachers’ Professional Development leads to Teacher Autonomy: A Study”, *Satraachee*, Shodhank-3, Vol. 40, page 120-129, Sep 2023.
- Bhaskar Biswas, Dipanjan Biswas, Mintu Debnath, **Esa Bose**, Sudipta Pal, “Giant magnetocaloric effect and second order phase transition in $PrMnO_3$ ”, *Journal of Magnetism and Magnetic Materials*, Volume 588, Part A, Dec, 2023, 171445, ISSN 0304-8853.

- **Amlan Raychaudhuri**, Satyabrata Maity, Amlan Chakrabarti, and Debotosh Bhattacharjee, “SMDF: Spatial Mass Distribution Features and Deep Learning-Based Technique for Human Activity Recognition,” *SN Computer Science*, Springer Nature, ISSN: 2661-8907, vol. 5, art. no. 129, pp. 1–13.

Conferences:

- Santra, S., Majumdar, D., **Mandal, S.** and Kabasi, V., 2023. *New applications of morphological methodology for the early detection of cancer.*, IET Conference Proceedings 2023, pp. 50–55. ISBN:978-1-83953-917-610.1049/icp.2023.1467.
- Nayak, A.K., Singh, S., Anuradha, S., **Mishra, R.** and Rout, K.C., Ultra-Wideband Full Duplex Antenna for 5G Applications. In IEEE International Symposium on Antennas and Propagation (ISAP) (pp. 1-2). IEEE.
- **Sarkar, M.**, & Ghosh, S., “Performance Analysis of RadioFiber Technology for 5G Communication using Modified Walsh Cod”,. In 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT) (pp. 1-5). IEEE.
- Rishav Chanda, **Soumi Tokdar**, **Jayeeta Chanda**, **Ananya Kanjilal**, “An Efficient and Cost-Effective Approach for Targeted Influence Maximization,” In *Proceedings of IEEE SILCON*, IEEE Silchar Subsection, International Conference, November 2023.
- **Das, B.D.C.**, Saha, A. and **Sikder, S.**, 2023, December. “Multistage Encryption of Mammogram Images Using Fractional Fourier Transform and 3D Chaotic Map”. In International e-Conference on Advances in Computer Engineering and Communication Systems (ICACECS 2023) (pp. 239-248). Atlantis Press.
- Swagata Dey, **Vedatrayee Chakraborty**, “Predictable Optical Performance of GeSn based p-i-n DBH cavity resonator”, The 8th International Conference on Computers and Devices for Communication (CODEC) will be held on 14th-16th December, 2023.

Book Chapters:

- ❖ **Debarati Dey Roy**, Pradipta Roy, and Debashis De, “First principles approach towards electrically doped nano devices”, *Advanced Nanomaterials and Their Applications* by CRC Press, ISBN-9781032347226, 1032347228, December 2023, Taylor & Francis Limited, Editors: Bikash Sharma, Chandan Kumar Sarkar.



INSTITUTIONAL NEWS:

TOI Awards:

The Institute received Academic excellence and superlative placement Award in an Award ceremony organized by The Times of India. The award was given by Rowan Einsworth, Consulate General, Australian embassy on August, 2023. Founder trusty and director, Dr. Subir Chowdhury received the award from Rowan Einsworth, Consulate General, Australian embassy along with principal Prof. Dr. Sutapa Mukherjee and registrar, Dr. Subhashis Pradhan. This award will boost the morale of the institute and will be a great source of motivation



Students Achievements:

▪ Pritam De a student of Computer Science & Engineering scored 99 AIR in CS - Gate 2023.



▪ Team DEVTA from BPPIMT Robotics Club comprising of students Sagnick Routh (CSE), Rishav Thakkar (CSE), Probudhha Bikas Chatterjee (ECE), Priyanshu Mandal (ECE), and Shoeb Mir (ECE) has won first prize in Aqua Rush at Celesta'23, Techno Management Festival of IIT Patna. Arijit Dhali (ECE) and Mookul Paul(EE) assisted in the development of the bots for the competition.

Student Chapter Activities:

➤ IEEE COMSOC, Kolkata Chapter and IEEE Kolkata Section in association **IEEE BPPIMT Student Branch** organised a Symposium on CHATGPT: Opportunities & Challenges for Education on Monday, 3rd July 2023 with two speakers Prof. Chiranjib Bhattacharyya, Department of Computer Science and Automation, IISC Bangalore and Prof. Swagatam Das, Electronics and Communication Sciences Unit, ISI Kolkata.

➤ **ACM student chapter** was inaugurated on 22nd July in presence of Prof. Khalid Saeed, Bialystok University of Technology, Bialystok, Poland and Prof. Rituparna Chaki, University of Calcutta and Chairperson, ACM Kolkata chapter. Swarnali Kundu, Chairperson of BPPIMT ACM student chapter Coordinated the entire session. Prof. Khalid Saeed delivered an insightful lecture in the domain of Biometrics.



➤ **SPIE Student Chapter** celebrated its 14th Foundation Day on 18th August, 2023. Dr. Kalyan Biswas, MCKVIE delivered lecture on "optical communication and sensors" followed by the tech-infused KHET (Laser Chess)



challenge.



➤ **DIVYANTRA- The ROBOTICS CLUB** of Institute was inaugurated on 7th October, 2023, through innovative models followed by flying of drones to the sky.



Conference/Seminar/Workshop organised

- A workshop on DevOps was organized for the final year students on 8th August, 2023. Mr. Arijit Sarkar, Lead Consultant, DevOps, TCS guided the students on the working of DevOps, a very important agile technology being used in the industry.

- On 12th August, 2023 The Anti-Ragging Committee of our Institute organized a Seminar to create awareness (observed as Anti-Ragging Day), with 2 speakers Mr. Subrato Mukherjee, Project Coordinator - ASKT (SAVE) and our Counsellor Ms. Aparna Ghosh. The event was followed by Short Film competition.



- A one-day Workshop on Entrepreneurship Skill, Attitude and Behavior Development was organised on 7th December, 2023 with

Mr Rajmohan De Sarkar, Founder, Director of Ardent Computech Pvt. Ltd as speaker.

- The Department of Applied Sciences & Humanities, BPPIMT has organized a lecture session on “Ramanujan’s life and work” on December 22, 2023 to celebrate the “National Mathematics Day”. Mr. Sayantan Roy, Assistant Professor (WBES) and researcher on number theory delivered an enlighten lecture on Ramanujan’s life, his days in Cambridge, London, his relation with Prof G.H. Hardy. Also the student members of Performing Arts Forum, BPPIMT “Kalakriti” staged a play on “Ramanujan’s life and work”.



- The Internal Complaint Committee (ICC), BPPIMT organized a lecture session on Gender sensitivity on November 7, 2023. Dr. Anuttama Banerjee, Consultant Psychologist and Academic Mentor delivered an insightful lecture emphasizing on very important aspects of mutual respect, inclusivity, and accepting diversity in terms of gender, sexual orientation, religion, socio economic status, language spoken, places of origin, etc. The session emphasized on harassment and assault from the view point of power play.

Lecture Session:



- ❖ The department of Computer Science and Engineering of the institute organised a gap lecture session for Software Engineering on the topic named Human Centric Design. The speaker was Dr. Soumya S. Basu from Sheffield Hallam University, Sheffield, UK. Over 100 no. of students from 3rd

year attended the session. It was an engaging and informative session enlightening students on industry relevant practices.



Orientation Programme:

1st Yr. Orientation Programme

Orientation programme was organised for the 1st year B.Tech students on 2nd September and 4th September, 2023. A parents’ meet was also organised on the same day with new stakeholders to create awareness and to build up a healthy relationship with the parents.

CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

● Forum and Cell Activities

❖ NSS (SFU) BPPIMT Unit in association with Performing Arts Forum (Kalakriti) had celebrated the 77th Independence Day of India on 15th August, 2023 through various cultural programs and National Flag hoisting.



hoisting.

❖ As per directives of AICTE, during the "Anti-Ragging week" from 12th -18th August 2023, the Anti-Ragging Committee, BPPIMT in association with NSS Cell and Orator's forum organized various events like poster competition, extempore



competition to increase awareness against ragging. On the 12th a Seminar was organized for the students on awareness of Anti-Ragging, and the speaker was Ms. Aparna Ghosh, Counsellor, BPPIMT. On the 16th of August, a Poster making competition was held. The students expressed their views and thoughts by using their creativity in the form of posters. On the 18th of August, an Extempore competition for the students was organized in association with the Orator forum, BPPIMT. After that, a seminar was held on awareness of Anti-Ragging for the students. The speaker was Mr. Subrato Mukherjee, Project Coordinator - ASKT (SAVE).



❖ The performing Arts Forum, BPPIMT in association with NSS Cell celebrated Sadbhavana Diwas on 25th August, 2023 in presence of Mr. Durnibar Saha, an eminent alumnus of BPPIMT & Popular singer.

❖ Techforum (Abhyantran) of B. P. Poddar Institute of Management & Technology in association with Institution's Innovation Council organized Smart India Hackathon (SIH) BPPIMT Internal on September 16, 2023 at BPPIMT VIP Campus.

❖ Abhyantran – The Technical Forum of B. P. Poddar Institute of Management & Technology, Kolkata organized "SMART CODER 2.23" an Annual Inter-school coding competition on 6th October, 2023.

❖ The Technical Forum (Abhyantran) of B. P. Poddar Institute of Management and Technology has organized the Annual Inter-College Hardware Model Design Competition FORMA 2.23 on 7th October, 2023. Event Judges were



Dr. Surajit Mandal, Associate Professor, ECE Dept, BPPIMT and Mr. Debashis Das, Founder of DelectroTech judges the participants during the event.

❖ The Technical Forum (Abhyantran) of B. P. Poddar Institute of Management and Technology has organized the Annual Inter-college Arduino Programming Competition (Juno



2.23) on 7th October, 2023. More than 10 teams registered in the event from various institutes of the city. Event judges, Dr. Bikromaditya Mondal, Associate Professor, CSE Department

BPPIMT and Dr. Biswapriya Chatterjee, Assistant Professor, EE, Aliah University judged the participants during the event.

● Festivals & celebrations

❖ Teacher's Day

Students of the institute celebrated Teachers Day on 5th September, 2023.

❖ Vishwakarma Puja

Vishwakarma Puja celebrated at the institute campus on 18th September, 2023 with great fervour and enthusiasm.

● IQAC Activities

The Internal Quality Assurance Cell (IQAC), BPPIMT organised a five-day (10 hours) Staff Development Program (SDP) on 'Fundamentals of MS Excel' during 16th September, 2023 and 13th October, 2023 with the aim of imparting basic knowledge of MS Excel to all the staff members of the Institute. The entire event was coordinated by Mr. Arijit Dey, Assistant Professor (CA), BPPIMT. Mr. Abhijit Mukhopadhyay, Ms. Sudeshna Roy, and Mr. Suman Kumar Das, Technical Assistants of BPPIMT acted as the instructors.



● IIC Activities

❖ Institution's Innovation Council organised a session on "Innovation/Prototype Validation - Converting innovation into a start-up on achieving value Propositions & Business Fit" on 1st August, 2023. The speaker was Mr. Abhijit Gupta, Assistant Prof. AS&H, BPPIMT.

❖ On 4th August, 2023 a lecturer session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs by our Alumnus Mr. Atanu Roy Chowdhury, Founder, Capsule Lab

❖ A Panel Discussion with Innovation and Start-up Ecosystem Enablers from the Region/State/National Level by Mr. Debajyoti Banerjee, Founder, Director, CEO, Seven Boats and Mr. Rahul Joshi, Functional Consultant, CX Space was organised on 19th August, 2023.

❖ My Story - Motivational Session by Successful Entrepreneur/Start-up founder" and 'My Story - Motivational Session by Successful Innovators' by Mr. Debajyoti Banerjee, Founder, Director & CEO of Seven Boats and Mr. Chandra Sekhar Sengupta, Chief Technical Officer, Technicise Software & Technologies Pvt Ltd was organised on 18th November, 2023 and 21st November, 2023 for students.

❖ Poster Presentation of Ideas for Mentorship Support (13 ideas) was organised by the department of Computer Applications on 23rd November, 2023 by Dr. Inadyuti Dutt, Asst. Professor and Departmental in Charge and Mr. Arghyadeep Chatterjee, Technical Assistant, of Computer Applications.

● IIPC Activities

✍ An Alumni Connect session was organised on 28th July, 2023 with Mr. Avik Chakraborty, HR (East) – Cognizant as speaker.

✍ Mr. Parthajit Sarkar, Regional Head, Academic Interface Program, elaborated on Industry Readiness and Expectations for the purpose of bridging the gap of our curriculum with the industry on 8th August, 2023.



✍ An industry talk on DevOps with speaker as Mr. Arijit Sarkar, TCS was organised on 8th August, 2023.

✍ An Industry Talk on Overview on C, C++, Data structure etc was organised on 28th September, 2023 with Mr. Akash Dey, Senior Manager, Kotak Mahindra Bank as speaker for ECE students.

✍ A session on Guiding final year students regarding placements in IT sector was organised on 29th September, 2023 with Mr. Akash Dey, Senior Manager, Kotak Mahindra Bank & Mr. Souvik Saha, CTS & Mr. Shinjon Nath, CTS as speakers.

✍ An Industry led Foreign Language learning program on "Japanese Language" was organised on 31st October, 2023 by Accenture Language Team.

✍ A 1-day Workshop on the topic "Entrepreneurship skill, attitude and behaviour development" was organised by the department of EE on 7th December, 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: bppimtnewsletter@bppimt.ac.in. Publication in the Newsletter is at the full discretion of the Editorial Committee.