



THE BPPIMT - NEWSLETTER

A Quarterly In-House Magazine

of

B.P. Poddar Institute of Management and Technology

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Issue - XV, APRIL 2012 Chief Advisors: Prof (Dr.) Sutapa Mukherjee Editor in Chief: Prof Emeritus (Dr.) S.C.Chakravartty
Prof (Dr.) B.N. Chatterji



SAVE THE ENVIRONMENT, SAVE THE EARTH – GO GREEN



The condition of the environment is constantly changing, but almost all scientists now agree that it is not changing for the good. They agree on one other thing as well: human activities are the major reason for the incredible harm dealt to the environment in the last 100 years. Some of these changes cannot be reversed. However environment is the most important resource for life. We get water, power and oxygen from the environment. It helps to clear pollution and is a large habitat for animals. We get lots of resources from there but if we use too much and it doesn't come from sustainable forests we may run out of resources, which is dangerous.

We all have probably noticed that green is everywhere these days – in the news, politics, fashion, and even in technology. As globalization makes the world become smaller, it becomes increasingly easy to see how the lives of people, plants and animals and ecosystems everywhere are closely synced up with one another. So toys made in China can affect the quality of life in India, pesticides used in Europe can affect the health of people in the U.S., and greenhouse gas emissions from Australia can affect a diminishing rainforest in Brazil. The truth is that every single thing we do every day has an impact on the planet – good or bad. The good news is that as an individual we have the power to control most of our choices and, therefore, the impact we create: from where we live to what we buy, eat, and use to light our home, to how we shop, we can have global impact. Embracing a greener lifestyle isn't just about helping to preserve equatorial rain forests; it can also mean improving our health and ultimately improving our overall quality of life. So why wouldn't anyone want to go green?

Here we at BPPIMT believe and act in our limited capacity and in our individual sphere of activities to save the environment by going for **Green** as and when and where we can. So let us join our hands together to save the environment, to save our mother earth and build our bright future.

- Prof. (Dr.) Sutapa Mukherjee
Principal BPPIMT

ACADEMIC NEWS:

Publications:

Journals:

Arijit Saha, Kallol Bhattacharya and Ajoy Kumar Chakraborty published their paper titled, "New achromatic quarter-wave combination of birefringent plates", in the International Journal of Optical Engineering, Vol. 51(1), pp. 013001(1-5) (January 2012).

Kalyan Mohanta published a paper titled, "Reconfigurable co-processor for high performance Discrete Wavelet Transform", in IJCSE Open Access Journal, Vol. 4, No. 1, pp.62-71, Jan 2012, ISSN: 0975-3397.

Tapas Bandopadhyay, B. Bandopadhyay and B.N.Chatterji published their paper titled, "Secure image encryption through key hashing and wavelet transform techniques", in the International Journal of Emerging technology and advanced engineering, (ISSN 2250-2459) Vol. 2. No. 2, pp. 26-31 (February 2012).

Kalyan Mohanta published a paper titled, "Comprehensive Study on Computational Methods for K-Shortest Paths Problem", in IJCA Open Access Journal, Vol. 40, No. 14, pp.22-26, Feb 2012, ISSN: 0975-8887.

Soumya Paul and Inadyuti Dutt published their paper titled, "A novel approach for light trail minimization using genetic algorithm in optical network" in the International Journal of Advanced Research in Computer Science and Electronics Engineering, ISSN No. 2277-9043 in Vol. 1, Issue 1, pp-1-10 (March 2012).

Kalyan Mohanta published a Invited paper titled, "THICA: A Fault-Tolerant Cluster Model based on Execution Windowing", in TIJCSA Open Access Journal, Vol. 1, No. 1, pp.52-62, March 2012, ISSN: Awaited.

Conference:

Somali Sikder and Shila Ghosh published their paper titled, "Study of bipolar Walsh coding in optical code division multiple access

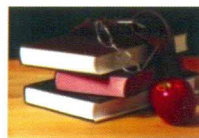


(OCDMA) system" in the Proceedings of National Conference on Materials, Devices & Circuits in communication Technology (MDCCT 2012), Burdwan, held on 6th-7th February 2012.

Anindita Ray and Debashis De published their paper titled, "Energy Efficient Cluster Head Selection in Wireless Sensor Network" in the Proceedings of IEEE International Conference on Recent Advances In Information Technology (RAIT)-2012, having ISBN: 978-93-80813-17-2, Vol. I, pp.344-349, 15-17th March 2012 (ISM Dhanbad, Jharkhand).

Nilanjana Pradhan, Kunal Das and Debashis De published their paper titled, "Diverse Clocking Strategy In MQCA" in the Proceedings of IEEE International conference on Recent Advances In Information Technology at ISM, Bhanbad, held on 15th -17th March 2012, pp. 354-358.

Kalyan Mohanta published a paper titled, "Computing cluster: an affordable and scalable platform for e-learning", in Proceedings of the AICTE sponsored national conference on paradigm shift in educational technology & content management, IEEE Kolkata section, Kolkata, India, pp. 22-27, March 2012, ISBN:978-81-923034-7-5.



Recognition:

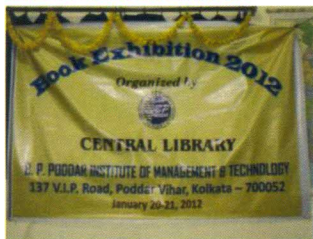
Soumya Paul, Associate Prof. & HOD of Dept. of Computer Application acted as an Expert panelist in the interview for appointing of faculty for IRIS World School, Alugnoor, Karimnagar (A.P.) held at "The Astor Hotel" on 12th Feb 2012.

Soumya Paul, Assoc. Professor & Head, Dept. of Computer Application, has been appointed as Technical Paper Reviewer of International Journal of Advanced Research in Computer Science and Electronics Engineering (ISSN: 2277 - 9043).

Inadyuti Dutt, Asst. Professor, Dept. of Computer Application, has been appointed as Technical Reviewer of International Journal of Engineering Science & Advanced Technology (ISSN: 2250-3676).

INSTITUTIONAL NEWS:

Book Exhibition 2012



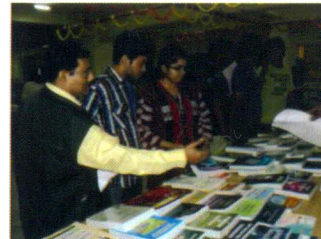
Book exhibition



Principal at the inauguration.



Director at the exhibition.



Librarian supervising the event.

The book exhibition for this year was organized by the central library of BPPIMT and was held during 20-21st January 2012 at the central library. The exhibition was inaugurated by the Principal Prof. (Dr.) Sutapa Mukherjee. Our Director Dr. Subir Choudhury graced the occasion by his presence on 21st January, 2012. This year several reputed publishers took part in the exhibition. To mention a few of them are Oxford University Press, New Age International, Viva Books, Cengage Learning, and Aditya-Xia. There was a lot of enthusiasm within the students regarding the exhibition. The staff members also were benefited by the event. It was a grand success and we hope to see such events more in future.

Faculty Seminar Program "PROSARON"

Mr. Subhasish Mallick, Assistant Professor of the Dept. of Computer Applications presented his talk on "A realistic model for runtime incremental task scheduling in distributed memory multiprocessor system" on 13th January 2012 at the Institute Seminar Hall.

Mr. Pramathesh Das, Associate Professor & HOD of the Dept. of Electrical Engineering presented his talk on "Microprocessor based boiler drum level control" on 25th January 2012 at the Institute Seminar Hall.

Mr. Sudip Kundu, Assistant Professor of the Dept. of Computer Applications presented his talk on "Stochastic local search approaches in solving the nurse scheduling problem" on 10th February 2012 at the Institute Seminar Hall. These are parts of the faculty seminar program "Prosaron" of BPPIMT.

Commencement of odd semester

All B. Tech odd semester classes commenced from 11th January 2012 and classes for MCA resumed from 17th January 2012 onwards.

E-Week



Young entrepreneurs at work



Display of work

The Entrepreneurship Cell of B. P. Poddar Institute of Management & Technology organized E-Week from 14th Feb to 17th Feb 2012, at BPPIMT campus in collaboration with National Entrepreneurship Network (NEN). There was all-round participation of students in activities like Intra-Departmental Debate Competition, T-Shirt painting and auctioning, and Business Plan presentation. Mr. Bappaditya Roy Biswas, NEN Consultant, delivered the motivational speech on Entrepreneurial activities. Students displayed variety of hand-paintings, glass-paintings, T-shirt paintings during the event and were encouraged for their performances. The Convener of the Entrepreneurship and Industry-Institute Interaction cell, Mr. Soumya Paul, HOD & Assoc. Professor, Dept. of Computer Application, Mr. Pramathes Das, Jt. Convener, HOD & Assoc. Professor, Electrical Engineering, Dr. Shila Ghosh, HOD & Prof., Electronics Communication and Engineering, Dr. Sabnam Sengupta, HOD & Assoc. Professor, Information Technology, Mr. Somnath Roychoudhury, HOD & Asst. Prof., Computer Science & Engineering, Mr. Sandip Dutta, Head Training, Placement & Corporate relations, Ms. Inadyuti Dutt, Ms. Rashmita Misra, Ms. Sutapa Mukherjee, Ms. Gitosree Khan, Mr. Sarit Chakraborty, Mr. Abhijit Gupta, Mr. Pinaki Bhattacharya were the members of the core committee worked sincerely for the successful completion of the E-Week.

Blood Screening

A Thalassemia Screening cum Awareness Programme was held at the college campus during 13-14 March, 2012. About 475 persons took part in the test. The programme was jointly organized by the Hematology department of NRS Medical College and Hospitals and B. P. Poddar Institute of Management & Technology. The HOD of Hematology department of NRS Medical College and Hospitals was also present in the occasion.

Annual Sports



100m race

The Annual Sports of our college took place on 18th of February 2012. There were various events throughout the day. The athletes participated in track events like the 100m, 200m, 400m sprints, the various relays and field events like kicking the ball, tug of war etc. As it is the norm with sports there were both winners and losers. Every participant however enjoyed the day on the field. The faculty and staff members too had a gala time participating in some refreshing and innovative games.



Shot-put event

Cricket Tournament



Game in progress

Like last few years, the Cricket Tournament of our college took place during 20-24th February 2012 with a lot of hype. All the 7 departments ECE, CSE, BCA, IT, MCA, EE & BBA put their cricketing enthusiasts to bring home the coveted trophy. Ultimately a highly contesting final match on 24th February 2012 was held between CSE & EE which saw the former winning the trophy and they were crowned as champions in the lush green HB ground, Salt Lake in front of the faculty members and Principal Madam. After the final match completed, there was a match among the staff members of the Institution which also saw a lot of enthusiasm.



Players at huddle before the final

Football Tournament



Champions

Once the bats and balls were put to rest it was time for the Universal game of football to take over and it took over in style. Yet again all the 7 departments took to the fields and gave it all. The tournament started on 13th March and ended with the final clash between CSE & BBA on 17th March. The spirited BBA team defeated CSE on sudden death and ultimately they were proclaimed champions. After the final match ended yet again there was a clash between the teams of the staff members and the students. The game ended in a draw.



Runners-up

Abhigyan 2012

As an initiative for the first time of its kind by the student chapter of SPIE, a Tech Quiz and Science Model Competition was organized at BPPIMT. The prelims for Tech Quiz were organized on 23rd February 2012. Around 150 participants took part in the prelims. Total 4 groups, consisting of 3 members in each group, qualified for the final. In the Science Model Competition 5 groups participated. The final for both the events were held on 25th February.

Condolence Message for MCA Student

We deeply express our condolence for our beloved student Mr. Abhishek Ghosh. He passed away on 10th March 2012. May his soul rest in peace! A condolence meeting was arranged at BPPIMT campus on 13th March 2012.

Wall Magazine



Wall magazine of IT

The students of the Department of *Information Technology* have taken initiative to spread the awareness of the need for saving our MOTHER EARTH through the wall magazine 2012 "SAVE THE EARTH". The wall magazine was published by the department in the auspicious presence of the Principal and the Dean, Academics on 20th February.

The third edition of the Wall Magazine of Dept. of Computer Application with Ms. Inadyuti Dutt as editor was published by the students, faculty and staff members on 30th March, 2012. Students exhibited their poems, stories, photographs and technical writings whole-heartedly. The wall magazine was inaugurated by Principal, Prof. (Dr.) Sutapa Mukherjee in the presence of all the HODs, faculty and staff members.



Wall magazine of MCA

WBUT Annual Athletic Meet 2011-2012



The annual athletic meet was organized by WBUT among all WBUT affiliated colleges on 18th March 2012 at Yuva Bharati Krirangan, Salt Lake. Students and faculty members of B. P. Poddar Institute of Management & Technology participated in various events. Among them Sanchita Kundu of IT 2nd year won gold medal for High jump and Alamgir Hossain the faculty of CSE department won second runner-up prize in 100 metre men's sprint.

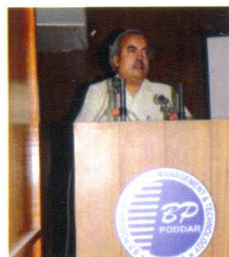
NATIONAL SEMINAR ON ADVANCED COMPUTING AND COMMUNICATION (ACC 2012)



Prof. Bhattacharya lighting candle



Prof. Chowdhury addressing



Prof. S. Bhattacharya

Department of Information Technology, B. P. Poddar Institute of Management & Technology, organized a one-day seminar on Advanced Computing and Communication on March 24, 2012. The seminar was aimed to address current state of the technology and domains of the ongoing research. Computing and communication has immensely enhanced the level of information acquisition, retrieval and processing. The goal of the seminar was to discuss concepts, methods and tools used in the analysis, design and implementation of Advanced Computing and communication.

The seminar started with an inaugural song by the students, a lamp lighting ceremony by our Principal, Prof. (Dr.) Sutapa Mukherjee, Dean Academics, Prof. (Dr.) B. N. Chatterji and the esteemed guests and warm welcome addresses by the Principal and Dean. There were distinguished invited speakers from institutes of national and international repute. Prof. Swapan Bhattacharya, Professor and HOD of the Department of Computer Science & Engineering of Jadavpur University, was the Chief Guest of the seminar. He delivered an extra-ordinary lecture on "Integration of research and innovation in technical education". Prof. Nabanita Das of ISI Kolkata, delivered a talk on "Modeling Ad-Hoc networks". Prof. Sankhayan Chowdhury of the University of Calcutta, presented his talk on "Network Modeling using High Level Net".

In the second technical session, there were presentations by the In House speakers, Dr. Sabnam Sengupta and Mr. Kunal Das. Dr. Sengupta delivered her lecture on "Model Based Software Testing: A Graph Based Approach" and Mr. Das's lecture topic was "Quantum Dot Cellular Automata". It was followed by a lecture by the alumni, Mr. Budhaditya Majumdar. His topic was "C for Analog: A Different Design Approach".

After this, there was a contest of paper presentation among students. There were four groups of students, who contested in that. We had Mr. Rajmohan Dey Sarkar, Director, Ardent Technologies, as the judge for the event. He had chosen the 1st, 2nd and 3rd groups. The event was concluded with a vote of thanks from the convener, Dr. Sabnam Sengupta.

ACC 2012 was the result of combined efforts by the faculty, staff and students of Department of Information Technology and it was a great success because of active support and wholehearted participation from the institute and all the Departments of the institute.



Prof. N. Das delivering talk



Delegates on the stage

- **Editorial Committee:** The Editorial Committee consists of a team of Faculty Members headed by Prof (Dr) N. K. Datta, with Prof. Emeritus Dr S.C. Chakravarty as Chief Editor, Prof (Dr.) Sutapa Mukherjee, Principal and Prof (Dr.) B.N. Chatterji, Dean as the Chief Advisors and Mr. Arijit Saha Associate Professor as 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: newsletter@bppimt.ac.in. Publication in the Newsletter is at the full discretion of the Editorial Committee.