We left behind another eventful year and will start a new year with new promises and expectations. I am sure that we shall overcome all the impedances with our dedication, confidence and hard work. In this new dawn, let us promise to join our hands together to raise the flag of the Institute high and make the Institute a Centre of Excellence in all respect under the guidance of the luminaries of the Institute. I would like to take this opportunity to wish all of our students, faculties and staff members a very happy and prosperous new year.

- Prof. (Dr.) Sutapa Mukherjee
Principal BPPIMT
Esha Bose of Department of Physics and Sudipta Pal published "Magnetic properties, resistivity and heat capacity of Ca0.85Eu0.15Mn303" at Condensed Matter Days 2010, Kalyani University, Nadia, Sl. No. -072, pp. 166, 25 August 2010.


Samir Kumar Bandyopadhyay, Indra Kanta Moitra, Deb Nath Bhattacharyya of Department of Information Technology, Tai-hoon Kim published the paper titled "Reserved Fields of Palette for Data Hiding Steganography" in the proceedings of 2010 International Conference on Computational Intelligence and Communication Systems (IEEE-CICIN 2010), November 26-28, 2010, Bhopal, India.


Mrs. Jayeeta Chanda of Department of Computer Science, Dr. Sabnam Sen Gupta of Department of Information Technology, Dr. Ananya Kanjilal of Department of Computer Science, and Prof. Swapan Bhattacharya presented the paper titled "CA-Graph: A Context Aware Graph to model Enterprise Service Bus" in the Conference IEEE INDICON 2010 held during 17-19 Dec, 2010.

Mr. Dipankar Majumdar of Department of Information Technology, Dr. Ananya Kanjilal of Department of Computer Science, Dr. Sabnam Sen Gupta, of Department of Information Technology, and Prof. Swapan Bhattacharya, presented the paper titled "Fault prevention Metric of a Compiler: A Probabilistic Study" and it is to be published in Proc. Of 2nd International Conference on Information & Multimedia Technology, Hong Kong, December 28-30, 2010.


Rituparna Samadder, Sandip Samadder, Tai-hoon Kim, and Deb Nath Bhattacharyya of Department of Information Technology published the paper titled "Hierarchical Data Structures for Accessing Spatial Data" in the proceedings of the International Conference on Multimedia, Computer Graphics and Broadcasting (MulGr@B 2010), December 13-15, 2010, International Convention Center Jeju, Jeju Island, Korea, pp. 267-274.
Deb Nath Bhattacharyya of Department of Information Technology and Tai-hoon Kim published the paper titled “Signature Recognition using Artificial Neural Network” in the proceedings of the 9th WSEAS International Conference on COMPUTATIONAL INTELLIGENCE, MAN-MACHINE SYSTEMS and CYBERNETICS (CIMMACS ’10), University of Los Andes, Merida, Venezuela, December 14-16, 2010.

P. Ghosal, A. Chakraborty, A. Das, Tai-hoon Kim, Deb Nath Bhattacharyya of Department of Information Technology published the paper titled “Design of Non Accidental Lane”, in the proceedings of The 9th WSEAS International Conference on COMPUTATIONAL INTELLIGENCE, MAN-MACHINE SYSTEMS and CYBERNETICS (CIMMACS ’10), University of Los Andes, Merida, Venezuela, December 14-16, 2010.

INSTITUTIONAL NEWS:

Student Achievements
Ms. Surupa Dutt, student of the department of Computer Applications secured 9.38 DGPA in the final exam of WBUT 2010 and has been selected University Topper and awarded with a gold medal. We wish her a grand success in all future endeavors.

Mr. Deepak Kumar, Mr. Jaween Singh and Mr. Naman Singhal students of 3rd year Computer Science and Engineering department and Mr. Roshan Kumar student of 3rd Year Information Technology department have secured 1st place in the following events

- ROBO OLYMPIC at BIT College, Kolkata.
- ROBO RACE at BIT College, Kolkata.

The event was held at BIT for two days from 5th October 2010 to 6th October 2010. This was a part of the Inter College Tech fest.

One Day Seminar
The SPIE student chapter “ECE Dept” organized a one-day seminar on 29th October, 2010. Prof. Vijaya Ramkumar, department of Physics, IIT Bombay delivered a talk on “Optical Fiber and its present relevance in communication”. It was a fascinating talk which was greatly appreciated by the faculty members and the students.

One Day Colloquium
Electronics & Communication engineering department organized a one day colloquium on 13th November 2010 at BPIMIT campus. Dr. Sanatan Chattopadhyay of the Department of Electronic Science, CU and Dr. Amlan Chakraborti of the A K C School of Information Technology, CU were the two invited speakers for the program. Dr. Chattopadhyay delivered a two hour lecture on “Strained Si-SiGe system for low power high speed CMOS applications”. Dr. Chakraborti spoke for another two hours on “FPGA based real-time embedded system design”. Both the topics were appreciated by the students and the faculty members of the Institute. Prof. (Dr.) Sutapa Mukherjee, Principal of the Institute, Prof. (Dr.) B N Chatterji, Dean of the Institute and the HODs were present among the delegates.

Award Distribution Ceremony
The annual award distribution ceremony for the students was conducted on 20th November 2010. The toppers of various departments and the overall topper of the Institute were awarded in the function.

Semester Exams
The Institutional exam committee consisting of Dr. Shila Ghosh as the Officer-in-charge, Mrs. Nandita Sanyal and Mr. Sibasish Senapati as supervisors conducted the semester exams as per the guidelines from WBUT during 7th to 22nd December 2010. With support from all members of the Institute the exam was a success and was highly praised by the USS.

Seminar
Dr. Debashish Majumdar, Scientist CDAC Kolkata, delivered a talk on “Recent Trends in Image Processing” on 1st December 2010. The seminar talk was organized by the CSE department and was attended by a good number of faculty members as well as students.

Faculty Seminar
Ms Tista Banerjee, Assistant Professor of the department of Electrical Engineering delivered a talk on 24th December 2010 on the topic “P-192 Off-line Optimization of PI and PID Controller for a Vector Controlled Induction Motor Drive using GA algorithm” at the Institute Seminar hall. The main objective of this work is to optimize the PI and PID gain parameters of a field oriented control (or vector controlled) induction motor drive. The system has been optimized initially with Z-N method and then it has been optimized using genetic algorithm.

Pre-Placement Activities
- A computer adaptive test AMCAT was held for the 4th year students on 16th November 2010 by Aspiring Minds.
- A training cum job program was held by Peobrics on 26th November 2010 for the final year MCA students.
- A soft skill training program was conducted by TIME during the last week of December 2010.
"TECHSTORM 2.1" — TECH FEST 2010

A two-day intra-college technical festival "TECH STORM 2.1" was organized in our institute. This was a joint effort of the faculty members of tech fest committee and the enthusiastic student volunteers of our institute. The programme started on the 9th October 2010 with an inaugural function. Prof. Bhabani Prasad Sinha, Head of Advanced Computing and Microelectronics unit at Indian Statistical Institute, graced the occasion by his presence as chief guest. The function started with the lighting of lamp by the Chief Guest, the Principal, the Dean, the Registrar and the other respected teachers followed by a melodious Swaraswati Bandana presented by Mr. Sabysachi Chakraborty.

The Principal, Prof. (Dr.) Sutapa Mukherjee made the welcome address. The Dean, Prof. B. N. Chatterji highlighted the importance of technical fest and introduced us with the chief guest. Prof. B. P. Sinha, in his address expressed his appreciation. Vote of thanks was delivered by our Registrar, Prof. (Dr.) Sandip Ghosh. "Tech Storm 2.1" started with the first event "NIRMAN". It was a group event in which the participants developed a model, exhibited and demonstrated the same in the presence of judges - Prof. Sinha, the Dean and the Principal of BPPIMT. All models were certified as excellent and innovative. The first prize was bagged by ECE 2nd year students — Md. Wasiim Sayed, Nasibullah and Nazimul Islam Gazi for their model "Smart Switching System". The second event of the day was "Socrates Playground" — a group debate competition between six groups, each group consisting of four participants. The whole programme was coordinated by Ms. Kakali Bhattacharyya and Ms. Dolonchampa Das. The final round topic was "Are social networking sites doing us any good or are they just a sophisticated way of stalking people?" CSE 3rd year students — Anirban Banerjee, Aritro Chakraborty, Anwita Bhatterjee and Pratha Chatterjee won the first prize. Afternoon event was mathematical game competition — "Omegatrex". The event became so popular among the students that a huge number of students from all sections participated in it. The competition was of two levels. First level was eliminatory where the students had to solve two "Kenken" and two "En route" problems. The qualified students of 1st level appeared in the final level where they solved a set of tricky mathematical puzzles within a speculated time limit.

On the second day the events were Robot games (Robotrix and Crossfire), Software games (Virtuo Combat), C-coding competition (Fanta-C) and web page designing (Webstar). Robotrix was an autonomous robot game where the participants had to build an autonomous robot that reached a specified point in a matrix by procuring the information of the number of rows and columns while traversing the path. The event was won by Arnab Das (ECE, 2nd year), Samantak Das (ECE, 4th year), Debankik Bhattacharyya (ECE, 4th year) and Sangram Lahua (EE, 4th year).

In Crossfire the participants had to build manually controlled robot which could traverse a given path to reach a point and on reaching the point the robot had to face a rival robot. The event was won by Rajeev Ranjan Singh (IT, 1st year), Sourav Karmakar (CSE, 1st year), Sourav Das (CSE, 1st year) and Soham Pramanik (CSE, 1st year). Webstar was won by Kaushik Das (IT 3rd year) and Abarna Sarkar (IT 3rd year).

Two different software games were arranged for participants: FIFA 2008 for one to one challenge which was won by Argha Dutta of ECE 1st year and COUNTERSTRIKE version 1.6 was for groups' participation and was won by the group of Madhur Mohta (CSE, 4th year), Arindam Roychoudhury (CSE, 4th year), Debajoti Chakraborty (CSE, 4th year), Sarvesh Bhagat (CSE, 4th year) and Suman Kr Saha (EE, 2nd year). Fanta-C was two-member C-coding group contest of three rounds. In the final round the qualified teams prepared a C program to satisfy the given objective. The champions for this event were Arnab De Sarkar (MCA 2nd year) and Vashkar Bhattacharjee (MCA 2nd year). There was also a two-day group photography contest "SNAPIT". The theme was "NATURE - in and around our college" which was announced on the first day after inaugural session and the participants were told to submit the photographs on the second day afternoon. All the photographs were judged by an expert Mr. Sandipan Majumdar, a travel journalist and photographer. The first prize went to Prosenjit Paul (IT 2nd year) and Rittwik Ghosh (IT 2nd year). A small cultural programme was arranged by the students in the evening. Thereafter the winners of all the events were announced and the medals and certificates were given. Finally, the TECHSTORM 2.1 wound up with a vote of thanks given by Dr. Rupa Pal.

With a vision to spread knowledge and inspire the students in areas of creativity, liveliness and intellect and debating the tech fest of BPPIMT became a grand success. The tech fest committee consisted of Dr. Rupa Pal, Ms. Ivy Majumdar, Mr. Pantha Deb Saha, Ms. Sutapa Mukherjee, Mr. Amlan Raychaudhuri, Mr. Kalyan Mohanta, Mr. Kunal Das, Mr. Subhasis Mallick, Ms. Rashmita Mishra, Ms. Jayeeta Chanda and Mr. Indra Kanta Moitra.

### 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. Chakravartty as Chief Editor, Prof (Dr) Sutapa Mukherjee, Principal and Prof (Dr) B.N. Chatterji, Dean as the Chief Advisors and Mr. Arijit Saha Assistant 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.