



# THE BPPIMT - NEWSLETTER

A Quarterly In-House Magazine

of

**B.P. Poddar Institute of Management and Technology**

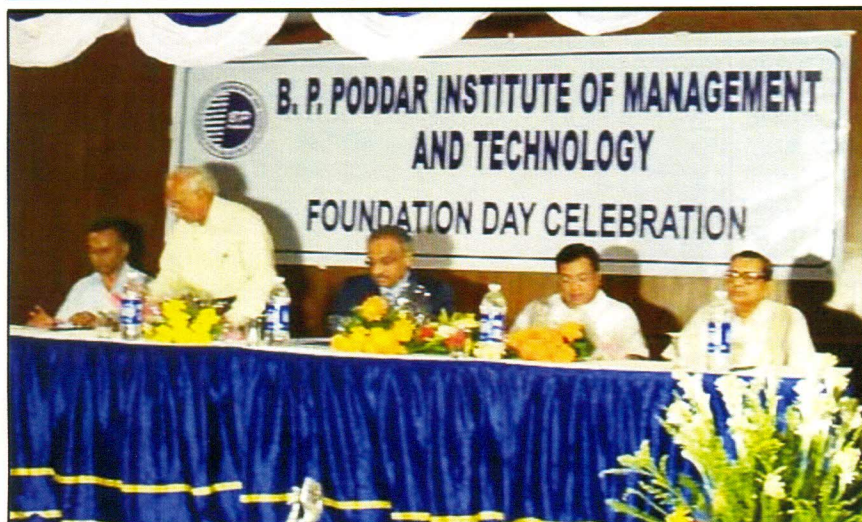
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Issue - II, October 2008

Editor in Chief: Prof (Dr) S.C. Chakravarty



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



**The Foundation Day Celebration Program, 11<sup>th</sup> September, 2008**

Seen at the center Shri Arun Poddar Chairman, flanked by Prof S.C Chakravarty Principal at the Left and Dr. Subir Choudhury Director at the Right. Seen Extreme Left: Wing Commander R.S. Sen and Extreme Right: Prof. B.N. Chatterji Dean Academic Affairs

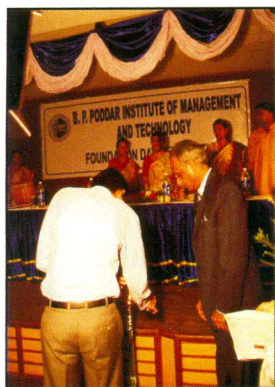
## Message from the Dean

B.P. Poddar Institute of Management & Technology was founded on the 11th Day of September, 1999 by Shri Arun Poddar as an Institute of Higher Learning in the memory of Shri B.P. Poddar, who was an eminent Industrialist, Educationalist and Philanthropist.

For the last nine years it has imparted quality education and turned out a large number of B. Techs, several M. Techs and PhDs.

It was decided to have a Foundation Day celebration on its 10th Foundation Day on 11th September, 2008 to honour successful students and to facilitate the quality faculty members/supporting staff members because of whom the Institute achieved excellence of honours and laurels.

*continued in page-3*



**Lamp Lighting Ceremony  
initiated by Chief Guest: Shri  
Arun Poddar on 11<sup>th</sup> Sep  
2008**

## Foundation Day Celebration:

11th September 1999 was the day, when our institute was established. We have crossed 9 years since then our journey towards attaining perfection in the field of education continues. This day was celebrated in a splendid manner.

It all started with the garlanding of the photo of our founder: Late Sri Badri Prasad Poddar by the Honourable Chief Guest: Shri Arun Poddar, Vice Chairman Shri Ayush Poddar followed by Honourable Director Dr Subir Choudhury and the other dignitaries. The Lamp Lighting ceremony was followed by distribution of Mementos to the employees who have been at the Institute since inception. Principal of the Institute: Prof. (Dr.) S.C. Chakravarty, Director of the Institute: Dr. Subir Choudhury, Prof. Ivy Majumdar were among them.

Thereafter Institutional Convocation was celebrated by distributing Medals and Certificates to the toppers of each stream and each year. Sri Indranil Chatterjee of the Department of Computer Science and Engineering received the B.P. Poddar Gold Medal for securing 1st Position among all the streams in the batch passing out in 2008.

This was followed by a spectacular cultural program, where the whole BPPIMT family came together to make the whole event remarkable and unforgettable. Teaching faculties, Technical Staff, Administrative Staff and even the students participated in the programme with full enthusiasm to make the celebration highly impressive.

*continued on page-2*

## From the Editorial Desk:

This Issue of the BPPIMT Newsletter presents a special report on the spectacular celebration of the Foundation Day (11<sup>th</sup> Sep) Program. It also reports the developmental activities, projects carried out by the students of different streams. The issue also reports personnel news, sports roundup, and similar extracurricular activities where the institute had been involved.



## Academic News: Degrees Achieved:



Ms Pampa Saha of the Department of Computer Science and Engineering completed her M.Tech degree from Jadavpur University in August 2008.

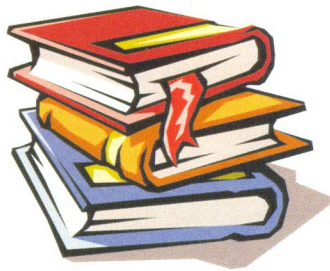
Mr Praloy Biswas of the Department of Information Technology completed his M.Tech degree from West Bengal University of Technology in 2008

Mr. Amit Kumar Rana of the Department of Mechanical Engineering completed his MME degree from Jadavpur University in August 2008.

Ms. Sudeshna Roy of the Department of Computer Science & Engineering completed her MCA degree at IGNOU in 2008.

Mr. Joy Roy of the Department of Computer Science & Engineering completed her MCA degree at IGNOU in 2008.

## Academic News:



## Book Publications:

Prof (Dr) N.K. Datta of the Department of Electrical Engineering got his 3<sup>rd</sup> Textbook titled "Basic Electronic Engineering" (for B.Tech Students) published in 2008.

Two more textbooks titled "Electric Circuit Theory" and "Electrical Engineering Technology" authored by him have been published in the past few years.

## Paper Publications:

Dr. Sabnam Sengupta, of the Department of Information Technology got her paper titled "Formalization of Functional Requirements of Software Development Process" published in the Journal of Foundations of Computing and Decision Sciences, Poznan University of Technology, Poland, Vol 33, Issue 1.

Mr. R.N. Barman got his paper titled "Estimation and Calculation of a Relationship between Dispersion Number, Reynolds Number, Porosity and Hydraulic Gradient in Horizontal Roughing Filter", published in the Journal of Agricultural, Food and Environment Sciences, Vol 2, Issue 1.

Dr. Sandip Ghosh of the Department of Engineering Chemistry got his paper titled "Preparation & Characterization of Protein Hydrolysates from Indian Defaulted Rice Bran Oil", published in the Journal of Oleo. Sc. Japan, 57(1) 47-52

Dr. Das also got his paper entitled "Effect of Delay on Nutrient Cycling in Phytoplankton Zooplankton Interactions in Estuarine System" published in the Journal of Ecological Modelling, Vol. 215, pp 69-76

Dr. Kalyan Das of the Department of Mathematics got his paper entitled "Structural Stability Analysis of an Algal Bloom Mathematical Model in Tropic Interaction" published in the International Journal of Mathematical Methods in the Applied Sciences.

## Invited Lectures:

Prof. Dr. B.N. Chatterji of the Department of Computer Science & Engineering delivered four Lectures in QIP sponsored short term course on "Image and Signal Processing", from August 4-8 2008 at IIIT Gwalior.

## Participations:

Prof. S. Roychowdhuri of the Department of Computer Science & Engineering and Prof. Soumya Paul of the Department of Computer Applications attended the program entitled "Train the Trainer" at Infosys Bhubaneswar in September 2008.

## Institutional News:

Ms. Jayeeta Chanda is re-appointed as Assistant Professor in the Department of Computer Science and Engineering

Mr. Dipendra Pal is re-appointed as Assistant Professor in the Department of Electronics and Communication Engineering

Dr. Papri Saha is reappointed as Assistant Professor in the Department of Engineering Physics.

Ms. Chandrani Das is reappointed as Assistant Professor in the Department of Electrical Engineering

Mr. Subhasis Mallick is promoted to the scale of Sr. Lecturer in the Department of Computer Applications under the Career Advancement Scheme

Mr. Arup Kumar Ghosh is promoted to the scale of Sr. Lecturer in the Department of Electronics and Communication Engineering under the Career Advancement Scheme

Mr. Arghya Mitra is promoted to the scale of Sr. Lecturer in the Department of Electrical Engineering under the Career Advancement Scheme

Mr. Subhajit Datta is promoted to the scale of Sr. Lecturer in the Department of Mechanical Engineering under the Career Advancement Scheme

## New Entrants:

Dr. N.K. Datta joined as Professor in the Department of Electrical Engineering. He has graduated in Electrical Engineering from the University of Glasgow, UK and got his PhD from the Jadavpur University. He was also GM (Project & Sales) at GEC and ECE, India. He had been with the Educational Institutes since 1996 as Professor.

## Foundation Day Celebration:



From Left to Right: Prof. M. Ghosh Dastidar, Prof. K. K. Ghosh, Prof. S.C. Chakravarty  
**continued from page-1**

The institute foundation day was marked as a warm gathering for all the members of the BPPIMT family. People from the other campuses like Salt Lake Campus, Gorabazar Campus gathered together with the people of the main campus to celebrate their institute's foundation day with pride and nostalgia. The presence of Prof. S.S. Sarengi, Prof. M. Ghosh Dostidar added further grandeur to the celebration.

Ex-Members of the BPPIMT family were also seen to be attending the function with same spirit. Few of our prominent, unforgettable personalities were Prof. Surya Sarathi Barat, Prof. Suman Chakraborty, Prof. K.N. Chakraborty, Prof. K.K. Ghosh, whose presence not only added magnificence to the show, but let all the old members of the BPPIMT family cherish their sweet memories with pleasure.

The personalities who have completed full 9 years in the Institute were awarded a small memento for their dedicated service to the institute. Dr. S. Choudhury, Director, Prof (Dr) S. C. Chakravarty, Principal, Prof. Ivy Majumdar were among them.

A wonderful lunch session was also sponsored by the Institute to add further festivity to the celebration. All the present members, Ex Members and invited guests were seen under the same roof enjoying each other's presence and participation in the function.

As a whole the celebration came out as unprecedented and unforgettable.

**More Foundation-Day Reports on Page-4**



## Message from the Dean:

### *continued from page-1*

Shri Arun Poddar - Chairman, Shri Ayush Poddar Vice Chairman, Dr. Subir Choudhury Director, Prof. S.C. Chakravartty Principal, Prof. K.N. Chakraborty Ex-Principal, Registrar, all faculty members, staff members, ex-faculty members, students and invitees attended the function which included addresses by the Chairman, Director and Principal; presentation of Medals and the B.P. Poddar Gold Medal to the students; cultural program by staff and students and a common lunch.

- Prof. B.N. Chatterji, Dean Academic Affairs

### **Institutional Infrastructure:**

We engineers should be grateful to the great Physicists like Lord Kelvin and Mathematicians like Leibnitz, Taylor for giving us the very basic theories and principles, which are the base of our engineering subjects.

Just think, what would have happened to Computer Science, Electrical Engineering and Electronics Engineering if physicists had not invented vacuum tubes, semiconductors, diodes or transistors. The same would have been the case without Laplace and Fourier Transforms



*Experimental Setup of Characterization of the electrical properties of graphite-kaolinite composites*

Hence with honorable acknowledgement to great pioneering physicists and mathematicians, we start our glimpses towards the causes of our institute reaching the excellence in Computer Science and Engineering, Electronics Engineering, Electrical Engineering and Information Technology by having a look at our Engineering Physics Laboratory. In fact our Physics Laboratory has reached its excellent status for which our institute is proud of.



Besides Physics and Mathematics, Engineering Chemistry also plays an important role in the Engineering Education particularly in Environmental Engineering and Chemical Engineering. So in our next issue we shall have some glimpses on our Engineering Chemistry Laboratories.

### **Students Affairs:**

Students of our Institute enrolled in the CTS Carnival of the year 2008.

Our Students participated in the Inter-College Football Tournament sponsored by Satyam IT Group.

Top Spin-2008 Table-Tennis tournament was organized at the institute.

Students participated in the Foundation Day program by presenting a poetry based Dance.

Kick-Off-2008 Football Tournament was organized at the Institute, and the Computer Science 4<sup>th</sup> Year students emerged as the Champions.

Straight-Drive-2008-09 Cricket Tournament was organized at the Institute.

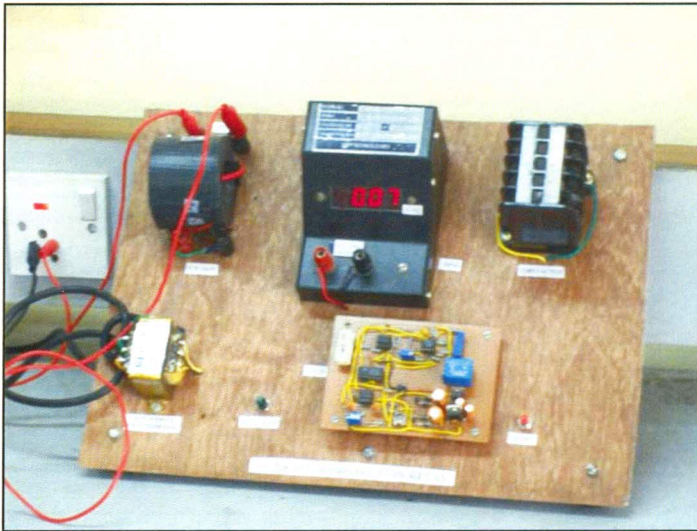
Prabhjeet Kaur emerged as first position in long jump, 100 meter race and 200 meter race.

Straight-Drive-2007-08 Cricket Tournament was organized at the Institute and the Computer Science 4<sup>th</sup> Year students emerged as the Champions.

### **In-house Developments:**

#### **Digital Overload Protection Relay:**

A Digital Overload Protection Relay was designed as a final year project under the guidance of Prof. Pramatesh Das at the Department of Electrical Engineering. Thereafter the system was enhanced by Sri Ranjit Kumar Paul of the Department of Electrical Engineering to become a truly operational and workable.



The above model's operational system in brief is as follows. AC Input is given to the Load through a contactor. As and when load increases, Capacitor and Latch operates actuating the relay, which cuts off the supply to the contactor to cut-off the Load against the preset value with automatic reset arrangement.



### Terrorism: A Curse on Humanity



Time-Bomb, Suicidal Attack, Massacre, these words were the ones that our parents use to avoid uttering before us at our childhood. But today?

Every child grows up building his/her vocabulary with these nasty words.

Is there any end to it? Or should we keep watching the humanity getting submerged day by day in this ugly environment bearing the curse of Terrorism.

### Energy Crisis:

In order to meet the peak demand in one's country and also keeping in mind that about 45% of our total population is deprived of electricity, Power planning for the 11th plan envisages addition of 78,500 MW of new capacity to arrive at a cumulative target of 2,00,000 MW by 2011-2012. Project is ambitious. However the process has started to handle the energy crisis.

But can each of us not help the Planning Department of the Government of India by saving energy by switching off lights, fans, AC's, when we are not using them.

A rough estimate says by this process, we can save approximately 50,000 MW throughout in India.

### GRAND PARADOX

In our country power shortages is of an average of 9%, but touches 13% at peak demand hours.

(a) Against this 45% is lost before reaching the users (largely due to failure of the management to stop pilferage and theft)

(b) Wasteful consumption and inefficient use of power also counts to another 20 to 35% From points (a) and (b), we conclude that it is possible for us to get the benefit of One Lakh MW power additionally that we could dream to achieve at the end of the present 5 year plan: 2011 2012

### Alternative Power Source:

The world is looking for alternative of coal with other fossil fuels (oil and natural gas) as their reserves are expected to get exhausted by the end of this century. The world is therefore probing other options like Solar Power, Wind Power, Hydrogen Fuel besides Nuclear Fuel, which are less polluting and will be always available.

### Editorial Committee:

The Editorial Committee consists of the following members:

- Prof (Dr) S.C. Chakravarty
- Prof. (Dr) N. K. Datta
- Dipankar Majumdar
- Kalyan Mahanto
- Dr. Uddipan Mukherjee

### Call for Contributions:

Contribution for the Newsletter is always welcome from all the members of the BPPIMT family. The prospective contributors are requested to send their writings electronically to the following mail address:

newsletter.bppimt@gmail.com

Contributions should be within 100 words on interesting and intelligent news on science, technology and general topics related to our institute and the world at large. Contributions within 100 words may also be submitted as hard copy to Mr. Dipankar Majumdar of the Department of Information Technology for publication in the newsletter.



Foundation Day Celebration: (From Left to Right) Sri A. Choudhury, Sri Pallab Bhoomick, Ms. Sumana Sinha, Ms. Kakoli Bhattacharya, Prof. Sutapa Mukherjee, Ms. Ria Mukherjee Basu, Prof. Nandita Sanyal, Ms. Anindita Roychoudhuri, Ms. Madhuchanda Majumdar, Ms. Jayeeta Chanda and Sri Arghya Mitra

The cultural program of the Foundation Day Celebration marked as a superb celebration as well as a warm gathering for all the members of the BPPIMT family. Teachers, Administrative Staff Members, Students, all participated with full passion and sense of belongingness. As a whole the celebration came out as unparalleled and truly cherish-able in the memory of all BPPIMTians.