



THE BPPIMT - NEWSLETTER

A Quarterly In-House Magazine
of

B.P. Poddar Institute of Management and Technology

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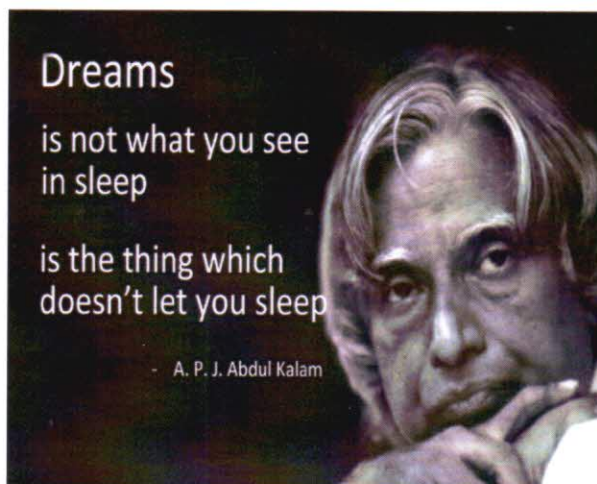
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Chief Advisor: Prof (Dr.) Sutapa Mukherjee Editor in Chief: Prof (Dr.) B.N. Chatterji



Remembering A. P. J. Abdul Kalam- The Missile Man of India

Avul Pakir Jainulabdeen Abdul Kalam was the 11th President of India from 2002 to 2007. A career scientist turned reluctant politician, Kalam was born on 15 October 1931 to a Tamil Muslim family in the pilgrimage centre of Rameswaram. After completing his education at the Schwartz Higher Secondary School, Ramanathapuram, Kalam went on to attend Saint Joseph's College, Tiruchirappalli, from where he graduated in physics in 1954. He moved to Madras in 1955 to study aerospace engineering in Madras Institute of Technology. After graduating from the Madras Institute of Technology in 1960, Kalam joined the Aeronautical Development Establishment of the DRDO as a scientist. Kalam was also part of the INCOSPAR committee working under Vikram Sarabhai, the renowned space scientist. In 1969, Kalam was transferred to the Indian Space Research Organisation (ISRO) where he was the project director of India's first Satellite Launch Vehicle (SLV-III) which successfully deployed the *Rohini* satellite in near-earth orbit in July 1980. Between the 1970s and 1990s, Kalam made an effort to develop the Polar Satellite Launch Vehicle (PSLV) and SLV-III projects, both of which proved to be successful. In the 1970s, Kalam also directed two projects, *Project Devil* and *Project Valiant*, which sought to develop ballistic missiles from the technology of the successful SLV programme. Kalam served as the Chief Scientific Adviser to the Prime Minister and the Secretary of the Defence Research and Development Organisation from July 1992 to December 1999. In 1998, along with cardiologist Soma Raju, Kalam developed a low cost coronary stent, named the "Kalam-Raju Stent". In 2012, the duo designed a rugged tablet computer for health care in rural areas, which was named the "Kalam-Raju Tablet". Kalam received honorary doctorates from 40 universities. The Government of India has honoured him with the Padma Bhushan in 1981 and the Padma Vibhushan in 1990 for his work with ISRO and DRDO and his role as a scientific advisor to the Government. Kalam became the 11th president of the Republic of India, and moved into the Rashtrapati Bhavan after he was sworn in on 25 July, 2002. Kalam was the third President of India to have been honoured with a Bharat Ratna, before becoming the President. After leaving office in 2007, Kalam became a visiting professor at many leading academic and research Institutes across India. On 27 July 2015, Kalam travelled to Shillong to deliver a lecture on "Creating a Livable Planet Earth" at the Indian Institute of Management Shillong. At around 6:35 p.m. IST, only five minutes into his lecture, he collapsed. Despite all possible attempts by the doctors at Bethany Hospital, Kalam was confirmed dead of a sudden cardiac arrest at 7:45 p.m.



ACADEMIC NEWS:

Publications:

Book Chapters:

Kakali Bhattacharyya, "Making of the consciousness in Women in Shashi Deshpande's *That Long Silence*", in *Fictional Transformation: Sahitya Academy Award Winning English Novels*, 1st ed, V. Jha and R. Mishra, Ed. Access, 2015, pp. 186-197, ISBN: 9789382647058

Journals (with Impact Factor):

Papri Saha, D.C. Saha, A Ray, AR Chowdhury, "Memristive non-linear system and hidden attractor", *The European Physical Journal (Special Topics)*, **224** (8), pp. 1563-1574, July 2015, ISSN: 1951-6355 (Print), 1951-6401 (Online), Impact Factor: 1.399.

Inadyuti Dutt, Samarjeet Borah, "Some studies in intrusion detection using data mining techniques", *International Journal of Innovative Research in Science, Engineering and Technology*, **4** (7), pp. 5500-5511, July 2015, ISSN: 2347-6710 (Print), 2319-8753 (Online), Impact Factor: SJIF 5.442.

Binoy K. Biswas, Pradip K. Pal, Asish Bandyopadhyay, "Optimization of process parameters for flux cored arc welding of boiler quality of steel using response surface methodology and grey-based Taguchi methods", *International Journal of Materials, Mechanics and Manufacturing*, **4** (1), pp. 8-16, August 2015, ISSN 1793-8198, Impact Factor: 2.



Conferences:

Gitosree Khan, Sabnam Sengupta, Anirban Sarkar, Narayan C Debnath, "Web service discovery in enterprise cloud bus framework: T vector based model", in *Proc. 13th IEEE International Conference on Industrial Informatics (INDIN 2015)*, Cambridge, UK, 22-24 July 2015, pp. 1672-1677, Publisher: IEEE and IET.

Esa Bose, Sudipta Pal, "Transport and Magnetic properties of low doped $\text{La}_{0.875-x}\text{Y}_x\text{Ca}_{0.125}\text{MnO}_3$ manganite series", in *Proc. International Conference on Innovative Research in Engineering, Science and Management (ESM'15)*, 20 September 2015, JNU, New Delhi, India, **2**, pp. 119-123. Publisher: McGraw-Hill, This paper is also published in *International Journal of Computer & Mathematical Science (IJCMS)*, Special Issue September 2015, ISSN: 2347 – 8527.



Tista Banerjee, J.N Bera, Gautam Sarkar, "Parameter estimation of three phase induction motor using gravitational search algorithm for IFOC", in *Proc. MFIFS 2015*, 12 September 2015, pp. 607-610, Publisher: IET Press.

N. Sanyal, A. Chatterjee, S. Munshi, "A novel palmprint authentication system by XWT based feature extraction and BFOA based feature selection and optimization", in *Proc. Recent Trends in Information Systems (ReTIS)*, 2015, 9-11 July 2015, pp 455 - 460, DOI: 10.1109/ReTIS. 2015.7232922, Publisher: IEEE.

INSTITUTIONAL NEWS:

SPIE Student Chapter Activities



SPIE Student Chapter of ECE Dept organized the *third school awareness campaign* on 17th August, 2015 at Saltlake Point School. The campaign was to evoke an interest in electronics along with its peripheral technical parts. SPIE student chapter of BPPIMT has received a grant of 1202 \$ for conducting outreach programme. The

student chapter has already installed solar panel for illumination at the Burning Ghat of Bhaskur, near Domjur, Howrah.



Completion of Doctorate Degree

Subhasis Pradhan, Deputy Registrar & Assistant Professor, Engg. Physics Department, and Binay Krishna Biswas, Assistant Professor, Mechanical Engineering Department have been awarded Ph.D. from Jadavpur University, and Indra Kanta Maitra, Sr. System Analyst has been awarded Ph.D. from University of Calcutta in 2015.

Soft skill Training Programme

An in-house soft skill development training for the 2nd year and 3rd year B. Tech students started from 3rd August, 2015. This will commence throughout this academic year.

Commencement of New Academic Session

The regular classes for the odd semester commenced from 16th July 2015 for all continuing batches of B. Tech and MCA.

Student Achievement

Name of Sourav Karmakar, an Ex-student of CSE Dept, BPPIMT has been included among the 10 Indian Student Entrepreneur in a book "The underage CEOs (collection of stories of 10 Indian Students Entrepreneur journey)".

Workshop on Recent Advancement in Control and Instrumentation

Department of Electrical Engineering of B. P. Poddar Institute of Management & Technology and Joint Control Systems Society and Instrumentation Measurement Society chapter (JSSIMS), IEEE Kolkata section jointly organized a Workshop on Recent Advancement in Control & Instrumentation in the Institute on 21st August 2015.

The Workshop was inaugurated by the Principal Prof. Dr. Sutapa Mukherjee. Inaugural Session was followed by the technical session by two

eminent speakers Dr. Rajarshi Gupta of Department of Applied Physics Calcutta University and Dr.

Dipankar Sanyal of Department of Mechanical Engineering Jadavpur University. Dr. Rajarshi Gupta delivered an informative talk on "Telecardiology: an emerging area of remote healthcare technology". Dr. Dipankar Sanyal delivered his lecture on "Sliding mode control theory and Laboratory Scale experiments with Electro hydraulic Systems".

After these two lectures one of the members of Joint Control Systems Society and Instrumentation Measurement Society chapter IEEE Kolkata section, Ms. Nandita Sanyal of the Department of Electrical Engineering, BPPIMT delivered

a lecture on "Fuzzy VQ based image compression by Bacterial foraging Optimization Algorithms". Both students and teachers of the Institute attended the program.



Orientation Programme

The students of first year, B. Tech joined BPPIMT family on 10th August 2015. A Freshers' Orientation program for the new entrants was organized at the Institute in presence of the Principal, Academic Dean, Registrar, all HODs and the faculty and staff members of the Institute. The students of each discipline were also taken to their respective departments where they were familiarized with the academic programmes of the individual departments and were introduced to the faculty members and technical staffs. The students were also addressed by the Professional counselor to help them to orient in the new environment. The regular classes for them started on 11th August, 2015.

Outreach Programme

An outreach programme was held at our Institute on 29th September 2015 by IIT Madras. Prof. Nandita Dasgupta, Professor, Electrical Engineering Dept., Prof. Somnath Chanda Roy, Associate Professor, Physics Dept., and Prof. Dhiman Chatterjee, Associate Professor, Mechanical Engineering Dept. addressed the students regarding various research programmes at IIT Madras.

Foundation Day



The 17th Foundation day of B. P. Poddar Institute of Management and Technology was observed on Thursday, 11th September 2015. On this occasion we remember with profound respect and regard the founder of the group Late Shri B. P. Poddar, who was not only an eminent industrialist but also an educationist. We are proud to be a part of one of his groups. It will be our endeavor to give our most sincere efforts and hard work to see that our institute rises to higher stages.

Quiz Competition "GREY MATTER"

Annual quiz competition for the students "GREY MATTER" was held on 26th September 2015. Like previous years, this annual competition was organized by the Alumni Association of BPPIMT. This year more than two hundred students of our college

participated. Out of them six groups consisting of two persons in each group were selected for the final round. The champions were the group of 1st year students of IT, while the 1st and 2nd runner-up were the 3rd year ECE and 1st year CSE groups. These three groups will be directly selected for the next edition of inter-college quiz competition Arcania. This event is a good meeting place among the current students and the alumni of BPPIMT.

Viswakarma Puja



Like each year, the Viswakarma Puja has been celebrated on the 18th Sept, 2015 in the Institute amidst much fervor, fun and frolic. The ever enthusiastic students garnished the platter of celebration with the right colours and flavours through their zeal and untiring efforts. Be it in the spectacular decoration of the idol or in the meticulous Puja arrangement or in the pious ambience of the venue the delicate touch and sincere thoughts of those involved were reflected. The students like every year offered their devotion to the God of Engineering in the form of Puspanjali, the sacred offering of flowers. The gala lunch together added a unique hue to the festivities. The very next day the idol was immersed in the Ganges after performing proper rites.

Throw-ball Tournament



An Intra-College *Throw ball tournament* for girls was held during 29th-30th September, 2015 at Sports Authority of India (SAI) Complex, Netaji Subhas Eastern Centre, Salt Lake City, Kolkata. Students from all departments participated in this tournament. Initially league matches were played between them. Then the final match was played between CSE and EE on 30th September, 2015. CSE

became the champions. The Principal Prof. Dr. Sutapa Mukherjee, handed over the trophies to the winners and the runners up teams. The event was a grand success.



Football Tournament



An Intra-College Football tournament was held during 28th September-1st October, 2015 at H. B. Block Football Ground, Salt Lake City, Kolkata. Students from five Departments (ECE, EE, CSE, IT, and MCA) of V.I.P. Road campus and two Departments (BBA and BCA) of Saltlake second campus participated in this tournament. Seven teams were divided into two groups (Group A and Group B) and league matches were played between them. The final match was played between CSE

and EE on 1st October, 2015 and EE became the champions. Prize distribution ceremony took place after the final match. Prof. Dr. Shila Ghosh, HOD of ECE dept. handed over the runners-up trophy to CSE football team and Prof. Dr. Sutapa Mukherjee, Principal gave away the winner's trophy to EE football team. The HODs of different departments, faculty members; technical assistants along with the students were present to cheer the final match at H. B. Block Football Ground.



- **Editorial Committee:** The Editorial Committee consists of a team of Faculty Members with Prof. (Dr.) B.N. Chatterji, Dean Academics as the Chief Editor, Prof. (Dr.) Sutapa Mukherjee, Principal as the Chief Advisor and Dr. Arijit Saha Associate Professor as the 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: bppimnewsletter@bppimt.ac.in. Publication in the Newsletter is at the full discretion of the Editorial Committee.