



# THE BPPIMT - NEWSLETTER

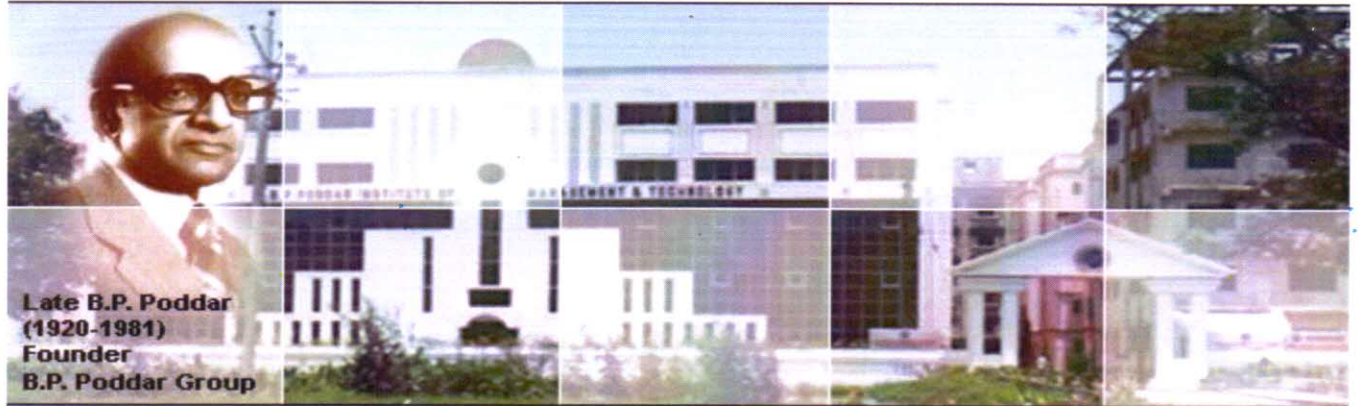
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Email: [bpimtnewsletter@bpimt.ac.in](mailto:bpimtnewsletter@bpimt.ac.in)

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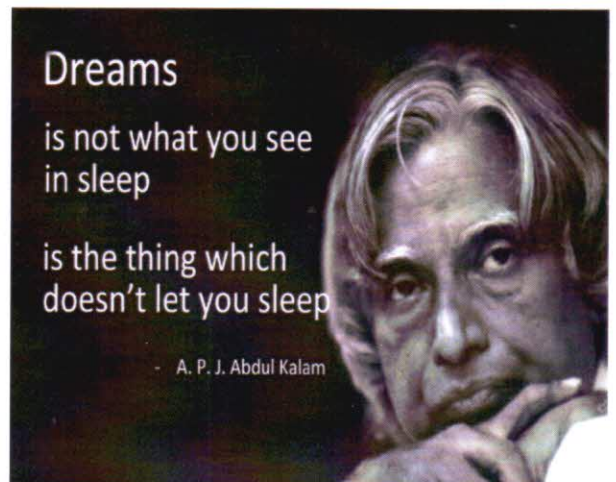
Chief Advisor: Prof (Dr.) Sutapa Mukherjee Editor in Chief: Prof (Dr.) B.N. Chatterji



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

## 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*, 1<sup>st</sup> 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. 13<sup>th</sup> 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 17<sup>th</sup> 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 2<sup>nd</sup> year and 3<sup>rd</sup> year B. Tech students started from 3<sup>rd</sup> August, 2015. This will commence throughout this academic year.

