



THE BPPIMT - NEWSLETTER

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B.P. Poddar Institute of Management and Technology

Email: bppimtnewsletter@bppimt.ac.in

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Chief Advisor: Prof (Dr.) Sutapa Mukherjee

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



Remembering Dr. B. R. Ambedkar

“Life should be
GREAT rather
than **LONG**”

BHARAT RATNA
DR. BHIMRAO AMBEDKAR



Bhimrao Ramji Ambedkar was born to Bhimabai Murbadkar Sakpal and Ramji Maloji Sakpal, on 14th April, 1891 in the town and military cantonment of Mhow in the Central Provinces (now in Madhya Pradesh). He was born into a poor low Mahar (dalit) caste. In 1907, he passed his matriculation examination and in the following year he entered Elphinstone College. By 1912, he obtained his degree in economics and political science from Bombay University. In 1913, he moved to the United States. He passed his M.A. exam in June 1915, majoring in Economics with

Sociology, History, Philosophy and Anthropology as other subjects of study. He presented a thesis, *Ancient Indian Commerce*. In 1916 he completed his second thesis, *National Dividend of India-A Historic and Analytical Study* for another M.A., and finally he received his PhD in Economics in 1927 for his third thesis, after he left for London. In October 1916, he enrolled for the Bar course at Gray's Inn, and at the same time enrolled at the London School of Economics where he started working on a doctoral thesis. In June 1917, he returned to India. Returning to India, he started working as a legal professional in the country. His passion for eradicating the practice of caste discrimination led him to found the 'Bahishkrit Hitakarini Sabha'. The main aim of the organization was to provide education and socio-economic improvement to the backward class. For the defense of Dalit rights, he started many periodicals like *Mook Nayak*, *Bahishkrit Bharat*, and *Equality Janta*. Upon India's independence on 15 August 1947, Ambedkar was invited to serve as the nation's first Law Minister. On 29th August, he was appointed Chairman of the Constitution Drafting Committee, charged by the Assembly to write India's new Constitution. Ambedkar opposed Article 370 of the Constitution of India, which granted a special status to the State of Jammu and Kashmir, and which was included against his wishes. Ambedkar was the first Indian to pursue a doctorate in economics abroad. Other than his role as the framer of the Constitution, he helped establish the Finance Commission of India. It was through his policies that the nation progressed both economically and socially. He emphasised on free economy with stable rupee. He played a key role in forming the National Employment Exchange Agency in India. In 1950, Ambedkar traveled to Sri Lanka to attend a convention of Buddhist scholars and monks. After his return he soon converted himself to Buddhism. Since 1954-55 Ambedkar was suffering from serious health problems including diabetes and weak eyesight. On 6th December, 1956 he died at his home in Delhi. His birthday is celebrated as a public holiday, known as Ambedkar Jayanti or Bhim Jayanti. In 1990, he was posthumously awarded Bharat Ratna, India's highest civilian honour.

ACADEMIC NEWS:

Publications:

Journals (without Impact Factor):

Jashojit Mukherjee, **Indra K. Maitra**, Kashi Nath Dey, Samir K. Bandyopadhyay, Debnath Bhattacharyya, and Tai-Hoon Kim, "Grayscale conversion of histopathological slide images as a preprocessing step for image segmentation", *International Journal of Software Engineering and Its Applications*, **10**(1), pp. 15-26, January 2016, ISSN: 1738-9984.

Conferences:

Inadyuti Dutt, Samarjeet Borah, "Design and Implementation of Intrusion Detection System using Data Mining Techniques and Artificial Neural Networks", in *Proc. Fourth International Conference on Advances in Computer Science and Application, CSA 2015*, 31 October 2015, Publisher: World Scientific Publishing Co., Inc.

Md. Alibordi, **R. Goswami**, S. S. Ghugre, "A Comparative study of the strongly coupled band in odd-mass 111-115Sb



nuclei", in *Proc. 60th DAE-BRNS symposium on Nuclear Physics*, Sri Satya Sai Institute of Higher Learning, Prasanti Nilayam-515134, AP, India, November 2015, Vol-60, pp. 228-229, Link: <http://sympnp.org/proceedings/60/A87.pdf>

Invited Lectures:

Prof. Dr. B. N. Chatterji was the Chief Guest of the National Conference on Computer vision, pattern recognition, image processing and graphics at IIT Patna on December 17, 2015. He has delivered an invited lecture on *Brief history of pattern recognition and image processing research and development works in India*.



Prof. Dr. B. N. Chatterji attended the workshop 'Celebrating life in pattern recognition and beyond' at Indian Statistical Institute, Kolkata on December 18, 2015 and delivered the following invited lectures on *A brief history of early character recognition works in India* and *Watermarking and its applications*.

NEW YEAR WISH



you. Resolve to keep happy, and your joy and you shall form an invincible host against difficulties".

"Tomorrow is the first blank page of a 365 page book. Write a good one."
- Brad Paisley.

We left behind another eventful year and will start a new year with new promises and expectations. Don't think of the opportunities that you have missed in the last year. The New Year is an unwritten book, so choose your actions and words wisely and fill it up with pages that are worth reading by the end of the year. Let me take the opportunity to promise to join our hands together to raise the flag of the Institute high. I would like to take this opportunity to wish all of our students, faculties and staff members a very happy and prosperous new year. I may quote Helen Keller to say, "Your success and happiness lies in

- Prof. (Dr.) Sutapa Mukherjee
Principal BPPIMT

INSTITUTIONAL NEWS:

Participation

Somali Sikder, Madhumita Sarkar, Shila Ghosh, "Theoretical analysis and simulation investigation of designed 1-D and 2-D MWC in OCDMA system", presented at the IEEE conference ICMOC-15, IIT Bhubaneswar, 18-20 December 2015. Somali Sikder presented the paper.

THE PANACHE 2015

The education, life and training which does not attempt to embrace the high aims of Literature remains incomplete and superficial. Believing in this principle of life, BPPIMT organized for the second time the English Language Fest – THE PANACHE 2015, wherein the main motto was to compete, learn, experience and enjoy through the precincts of English communication – all that which will turn every individual and student into a person of great potential and eminence. True to the

name - The Panache - BPPIMTians hosted the grand event on 14th and 15th October 2015 within the institute campus with flamboyant confidence, style and manner which are the marks of modern time.



have Dr Krishna Sen, former Professor and Head of the Department of English, University of Calcutta, and a founder-member of the University's Women's Studies Research Centre (WSRC), member of the WSRC Academic Committee and of the Boards of Studies in English at several Universities.

The Chairman of the institute Mr. Arun Poddar along with the Vice-Chairman Mr. Ayush Poddar and the Director Dr. Subir Choudhury were the Chief Patrons of the fest. The Principal Prof. (Dr.) Sutapa Mukherjee was the chairperson and the advisory committee comprised of the Dean (Academics) Prof. (Dr.) B. N. Chatterji and the Head of all departments.

The two-day event was sponsored by well-known brands and houses like Ardent Computech Private Limited, Webtech Lab, MTS, Erudite,

The fest comprised of ten events – Just A minute (JAM), Jingle-mingle, Word-cracker, Language Quiz, Creative Writing, Wordakshari, Debate, Skit, Graffiti, and Treasure Hunt. JAM and Debate particularly were significant events to bring out an individual's convincing power through linguistic expressions, while Wordcracker and Wordakshari put a candidate's depth in English Language and vocabulary at test; Jingle-mingle and Graffiti required competitors to comprehensively expand a message; Language Quiz was a test of overall expertise on English; Creative Writing was a test for creativity in writing skills, while Skit and Treasure-Hunt were fun-oriented events within the precincts of English.

The Panache organizing committee was extremely honoured to



Hungry Hippo etc. The winners of every event (1st, 2nd and 3rd position holders) were all awarded with books on English, dictionaries of Oxford University Press along with prize money and certificates. The books and dictionaries were all sponsored by Oxford University Press.

The prelims were held from 6th to 12th October. A grand inaugural ceremony marked the opening of the finals on October 14, 2015.

The fest was proposed to foster creativity, enhance communication skills and showcase talents. Hence the participation of all students of all semesters was made mandatory with exemption from registration and participation fees.

3rd NATIONAL CONFERENCE ON EMERGING AREAS OF PHOTONICS AND ELECTRONICS (EAPE 2015)



The 3rd National conference on Emerging Areas of Photonics and Electronics (EAPE 2015) has been jointly organized by the SPIE student chapter and the Department of ECE, B. P. Poddar Institute of Management & Technology. The conference was held during 9th-10th October 2015. This edition of the event was focused on student research publications. With this motto, research publications of students and research fellows were only selected.

The conference was inaugurated by the lighting of *diya* by the Principal Prof. Dr. Sutapa

Mukherjee, the Dean Academics Prof. Dr. B. N. Chatterji, and the Head of the department, ECE, Prof. Dr. Shila Ghosh on 9th October at 10:00 am. Cultural programs were performed by the students as a part of the inauguration ceremony. This was followed by a lecture on *Interfacing techniques in embedded systems* by Dr. Probal Sengupta, Chief Technology Officer, Alumnus Software Pvt. Ltd and Adjunct Professor AKCSIT (CU). Dr. Arijit Saha, Associate Professor, Electronics and Communication Engineering, BPPIMT delivered a lecture on *Optical wireless communication - An overview*. After that session, student paper presentation started. The session was chaired by the Dean Academics Prof. (Dr.) B.N Chatterji. Two students presented their research paper at this session. The session ended at 4:30 pm.



On 10th October in the first session Prof. (Dr.) Prabir Kumar Biswas, HOD, Electronics and Communication Engineering, IIT Kharagpur delivered a speech on *3D Imaging Techniques*. In the next session, Dr. Surajit Mandal, Assistant Professor, Electronics and Communication Engineering, BPPIMT delivered a speech on *Applications of some mathematical transforms in signal and image processing*. Student paper presentation session followed this. In first session the session chair was Prof (Dr.) Shila Ghosh, HOD, ECE, BPPIMT. Three papers were presented in this session. In the next session the session chair was Dr. Ivy Majumdar, Associate Professor, BPPIMT. In this session too, three papers were presented. The session ended at 5:00 pm with a vote of thanks by the HOD of ECE Dept., BPPIMT, Prof (Dr.) Shila Ghosh and the President of SPIE student chapter of BPPIMT Mr. Swarnav Mukhopadhyay. The conference was a successful one and was inspirational for all students. Moreover the motto to showcase student publications was also fulfilled.

Constitution Day



As per AICTE guidelines, Constitution Day was observed on 26th November 2015, in the Institute. To spread the awareness a metal plaque with engraved Preamble of the Indian Constitution was commissioned in the Institute.

Semester Exam

The odd semester exams started from 7th December and ended on 19th December 2015. Ms. Nandita Sanyal was the Officer-In-Charge and Mr. Arindrajit Chowdhury and Mr. Sudip Kundu were the supervisors for the exams.

Indian Women in Science and Technology



One of the most talked about images from India's Mars Orbiter Mission (MOM) was that of women scientists in ISRO celebrating the success of the mission. The image of sari-clad, flower-adorned, lady-next-door scientists gave most of us that immensely warm, fuzzy feeling. However, women in science and technology in India is not a very common occurrence. The good news is that there is an increasing number of women receiving education in the sciences in India now a day. Let's look at some of these women, often forgotten heroes, who have made great contributions to science and paved the way for others. To name a few were Kadambini (Basu) Ganguly, the first female graduate of the British Empire and also the first female physician of South Asia to be trained in western medicine. She graduated from the Calcutta Medical College, Calcutta in 1886. Along with her was Anandibai Joshee, who also obtained a degree in Western medicine, from Women's Medical College in Philadelphia, USA in 1886, and thus became first Indian woman to study medicine from abroad. Janaki Ammal, another great lady pursued Botany, and later scientific research in cytogenetics and phytogeography. She worked briefly in the UK, but returned to India in 1951 to reorganize the Botanical Survey of India (BSI) and served as the Director-General of the BSI. Kamala Sohonie was the first Indian woman to get a Ph.D in a scientific discipline. While at Cambridge, she found that every cell of a plant tissue contained the enzyme 'cytochrome C' which was involved in the oxidation of all plant cells. Anna Mani was an Indian physicist and meteorologist. She worked under Prof CV Raman and eventually became a meteorologist and retired as the Deputy Director General of the Indian Meteorological Department (IMD). Asima Chatterjee was an Indian chemist noted for her work in the fields of organic chemistry and phytochemistry (chemicals derived from plants). Her most notable work includes research on vinca alkaloids (derived from the periwinkle that is known for its anti-cancer properties), and the development of anti-epileptic and anti-malarial drugs. Rajeswari Chatterjee was the first Woman Scientist to pioneer the Field of Microwave Engineering and Antennae Engineering in India. She took an MS degree in Electrical Engineering from Michigan University, USA in 1949. Darshan Ranganathan was an organic chemist from India who was known for her work in bio-organic chemistry, including "pioneering work in protein folding" and "supramolecular assemblies, molecular design, chemical simulation of key biological processes, synthesis of functional hybrid peptides and synthesis of nanotubes." In this small article we tried to offer our regards to some of the most talented daughters of mother India. We might have missed many great names in the process and apologize for that.

- Editorial

- **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.