



# THE BPPIMT - NEWSLETTER

A Quarterly In-House Magazine

of

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

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Issue - XXXIX, APRIL 2018

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## India's own Rocket women



**Bannihatti (BP) Parameshwarappa Dakshayani** is the former group director of the Flight Dynamics and Space Navigation groups of the Indian Space Research Organisation Satellite Centre. Dakshayani was born and raised in Bhadravati, Karnataka. She was encouraged to study engineering by her father, but he thought a Bachelor's degree would be sufficient. She studied mathematics at the University of Mysore and earned a Master's degree in 1981. After graduating she worked at Sir Vishveshwaraiah Institute of Science & Technology teaching mathematics. Dakshayani was appointed to the Indian Space Research Organisation Satellite Centre in 1984. She was assigned to computer programming and orbital dynamics. She had never seen a computer when she applied, so had to teach herself during the evenings. The software she designed for trajectory generation was used in several space missions. In 1998 she completed a Masters in Aerospace Engineering at the Indian Institute of Science.

She was made director for the Flight Dynamics and Space Navigation groups. Around 27% of the staff involved with the development and design of satellites were women. She was responsible for the low earth, geosynchronous orbit and interplanetary missions of the Indian Space Research Organisation Satellite Centre. She was project manager for the Space Capsule Recovery Experiment and deputy project manager for the Mars Orbiter Mission. After completing an analysis of orbit stability, she identified that a highly eccentric orbit would provide better position accuracy. She won an Indian Space Research Organisation Satellite Centre merit award for her Mars Orbiter Mission. The mission entered the desired Martian orbit in September 2014. She is also known as "India's own Rocket women".

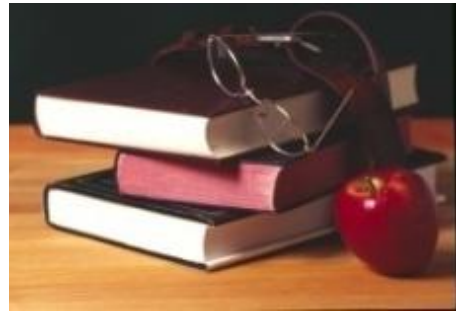
## ACADEMIC NEWS:

### Publications:

#### Journals:

**Somali Sikder**, Shila Ghosh, Electronics and Communication Engineering, *Performance enhancement of OCDMA systems using TMWC*, Optical Engineering, ISSN: 0091-3286, Vol. 57, No. 2, pp. 026114-1-8, Impact Factor 1.08, Feb-18

Swagata Dey, **Vedatrayee Chakraborty**, Bratati Mukhopadhyay, Gopa Sen, Electronics and Communication Engineering, *Modeling of tunneling current density of GeC based double barrier multiple quantum well resonant tunneling diode*, Journal of Semiconductors, IOPScience, Vol. 39, No. 8, pp. 1-5, Impact Factor 0.6, Mar-18



### Books:

**Susmita Dey**, Dewaki N. Tibarewala, Santi Maity, Ananya Barui, Electrical Engineering, *Automated Detection of Early Oral Cancer Trends in Habitual Smokers*, Section C: Detection and prediction in medical imaging, Chapter 6, Soft Computing Based medical Image Analysis, Technology & Engineering, Elsevier, ISBN No: 978-0-12-813087-2, pp. 83-107, 18th-Jan-18

## INSTITUTIONAL NEWS:

### New Academic Session

New academic session commenced from 15<sup>th</sup> January, 2018.

### Conference ALAP 2018

A Conference on *Algorithms and Application (ALAP 2018)* was organised by Computer Science & Engineering department during 10<sup>th</sup> - 12<sup>th</sup> January, 2018. The inauguration was held in presence of Prof. Subrata Kumar Dey, Pro Vice Chancellor of affiliating University (MAKAUT), eminent academicians and Industrial Technocrats of various specialized domains like Distributed



Systems and Security, VLSI and Embedded Systems and Big Data Analytics. Prof. Sajal Kumar Das, Missouri University of Sc. & Tech, USA, Prof. Colin Paul, IIT, Delhi, Prof. Kamalika Datta, NIT, Meghalaya, Prof. P. K. Das, J.U,

Prof. Nabendu Chaki, C.U, Dr. Arijit Mukherjee, TCS delivered lectures on their respective domains. Faculty Members from different Institutions of West Bengal have attended the Workshop.

### Workshop



- A Workshop on Implementation of MOOC's in University curriculum and credit transfer was organised on 9<sup>th</sup> January, 2018 in collaboration with our affiliating University with Prof. Saikat Maitra, Vice chancellor of MAKAUT as Chief Guest. Mr. Shib Sankar Das, CET, IIT, KGP gave an overview of MOOC's. Prof. Indranil Mukherjee, Academic Co-ordinator of MAKAUT, explained the mapping of 8<sup>th</sup> semester subjects for CSE & IT in MAKAUT curriculum with available MOOCs. In addition to our faculty members, total 29 faculty members from 17 Institutes attended the program.

### Virtual Laboratory Workshop

A Program on Training and Awareness for e-journal and e-literature was organised by the Library Cell of the Institute on 14<sup>th</sup> March, 2018 in collaboration with Informatics Publishing Ltd.

## E-Week



Sphuran, the Entrepreneurship Development Cell, BPPIMT has organized E-week 2018 in collaboration with National Entrepreneurship Network (NEN), Wadhvani Foundation during February 10 February to 16 February, 2018. Many students, faculties and staff have participated here to enrich them.

## Students' Chapter

- CSI Regional Student Convention 2017-18 organized by Computer Society of India Region-II in collaboration with BPPIMT, Kolkata on February 10, 2018 at BPPIMT Seminar Hall. Distinguished guests present in the convention are Prof. A.K. Nayek, Mr. Devaprasanna Sinha, Mr. Subir Lahiri, Prof. Debesh Kumar Das, Prof. Debdutta Sinha.
- Abhigyan, a 'Technical Quiz' was organized by Department of ECE in association with SPIE BPPIMT Student Chapter, on 24th February 2018. This event provides a platform to the students to showcase their technical knowledge. With a total of 170 teams participating for prelims, six teams were selected for the finals and one team emerged as the winner.



## Industry Institute Collaboration



- Ericsson Career Connect Program during 19<sup>th</sup> -21<sup>st</sup> February, 2018 on Cloud Technology in collaboration with Ericsson India Limited for 50 nominated students of third year both from IT and core departments.
- A Industrial visit to Cognizant Technology Solutions (CTS) campus was organised for the third year students on 25<sup>th</sup> March, 2018. Approximately 150 students visited CTS campus.

## Students Achievement

UIDAI9 from B. P. Poddar Institute of Management and Technology Win 1st Prize in Smart India Hackathon 2018 ( A joint initiative by MHRD, AICTE, i4C, and Persistent Systems) Software Edition FINAL at Panipat, Haryana on March 31,2018. Team UIDAI9 from BPPIMT comprising of team members - Rwik Kumar Dutta (Team Leader CSE 3rd Year), Projjal Sengupta (CSE 3rd Year), Tanumoy Nandy (ECE 3rd Year), Saif Arsalan (IT 3rd Year) , Murtaza Sadriwala (CSE 2nd Year) and Avantika Mishra (CSE 1st Year) has won the 1st prize for their working solution prototype to a problem statement -"The present guidelines of DOT HQ do not allow more than 9 connections to an individual" identified by the Department of Telecommunication, Government of India.



## Saraswati Puja



Like every year, the Saraswati Puja of the Institute, celebrated on 22<sup>nd</sup> February 2017, was full of fun, frolic, colours and exuberance galore. The goddess of knowledge was offered the Puspanjali, the sacred flower offering by all present. It was followed by the distribution of 'Prasad' (blessing of the Goddess in the form of sweet and fruit offerings) and a lunch. In a nutshell, the occasion was complete with active participation of the faculty and student members alike.



## Eye & Health Check up



A free eye health check up organized by NSS cell, BPPIMT and Medical Assistance cell, BPPIMT in association with ASG eyecare on 7<sup>th</sup> -8<sup>th</sup>, 2018. It becomes a huge successful event. Many students as well as faculties and staff have participated in this health check up and also benefited.



## Women's Day Celebration

Women's day was celebrated in our Institute on 8<sup>th</sup> March 2018. A power point presentation showing the role of women as a mother, girl child, sister, wife and contribution of women achievers of India followed by a short film made by NSS volunteers to show women empowerment were displayed at seminar hall of the Institute.

## Cricket Tournament



The Sports forum of BPPIMT, Kriyayoga, organized their Annual Intra College Cricket Tournament in the month of February 2018. The league matches were held on 12<sup>th</sup> -16<sup>th</sup> February, 2018. Teams from the departments of ECE, EE, CSE, IT, MCA, BCA and BBA participated in tournament. There were wonderful responses from the students to play the matches. The final match was played between IT and ECE, on 16<sup>th</sup> February 2018 in the NKDA stadium, Newtown. Department of IT was the champions. Apart from the players, there was a huge crowd of the enthusiastic audience, who had come to cheer their team members.

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- **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: [bpimnewsletter@bpim.ac.in](mailto:bpimnewsletter@bpim.ac.in). Publication in the Newsletter is at the full discretion of the Editorial Committee.

