

A QUARTERLY IN-HOUSE NEWSLETTER BY THE DEPARTMENT OF ECE OF



B.P. Poddar Institute of Management and Technology

Issue: December 2017- March 2018

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Editor In Chief: Ms. Rashmita Mishra



Vision of the Department:

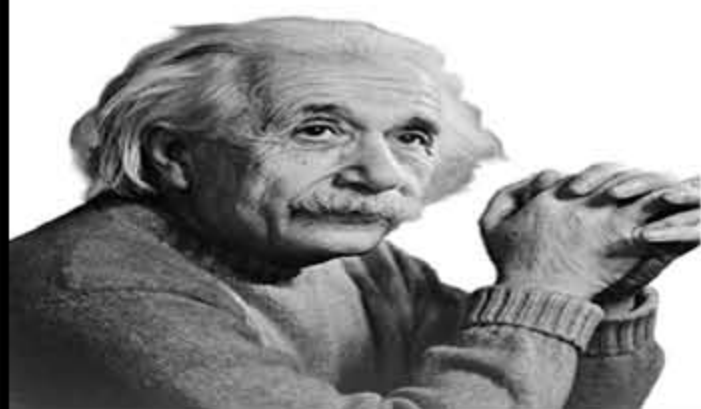
Emerge as one of the premier departments for Electronics and Communication Engineering studies in West Bengal

Mission of the Department:

1. Imparting innovative educational program through laboratory and project-based teaching-learning process for meeting the growing challenges of industry and research.
2. Providing an inspiring and conducive learning environment to prepare skilled and competent engineers and entrepreneurs for sustainable development of the society.
3. Creating a knowledge centre of advance technologies committed to societal growth using environment-friendly technologies.

Wishing Late Dr. Albert Einstein a very happy birthday

*“ Science without religion is lame
Religion without Science
is blind ”*



*-Dr. Albert Einstein
(14th March 1879 - 18th April 1955)*

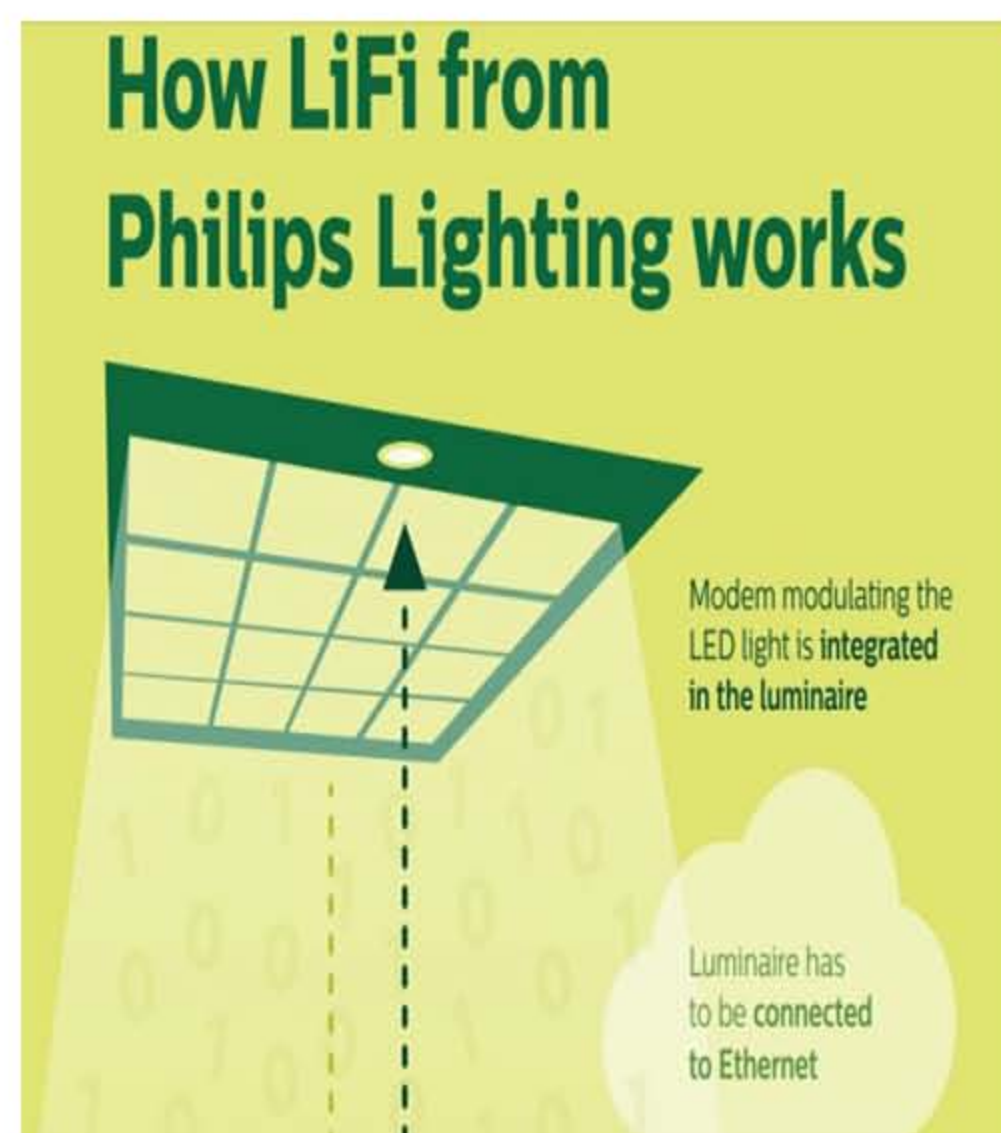
TECH TRENDS

PHILIPS LI-FI SYSTEM

Philips Lighting is now offering Light Fidelity (LiFi), a technology in which high quality LED lighting provides a broadband internet connection through light waves implementing the concept of Internet of Things.

“While radio frequencies are becoming congested, the visible light spectrum is an untapped resource with a large bandwidth suitable for the stable simultaneous connection of a vast array of Internet of Things devices,” said Olivia Qiu, Chief Innovation Officer, Philips Lighting.

The LiFi USB dongle returns data to the luminaire through an infrared link. With Philips LiFi-enabled luminaires, customers get the double benefit of quality, energy-efficient LED light and a highly secure, stable and robust connection as LiFi has 10,000 times the spectrum of WiFi.



RECENT EVENTS

SPIE ORIENTATION PROGRAM

SPIE Bppimt student chapter started its journey in the year 2010, with only 20 students. After that gradually increasing its student strength, presently it has reached to a point where we can proudly say that we are the second largest SPIE Student Chapter in India. We have almost 70 Student members plus aluminium and faculty members too.

Every year our chapter organizes a seminar or rather an interaction session where we interact with our juniors and encourage them to join the chapter and be a proud member of it. This year the interaction session was held on 1st february. Over 100 enthusiastic



students were present in that seminar and our current president Mr. Manab Chatterjee explained every aspect of SPIE to them. The seminar was basically focusing on the questions that students have in their mind, so it was more like an interaction than an one way communication. However that day SPIE Student Chapter committee for the year 2018 were introduced and the organization once again established it self.



ABHIGYAN

SPIE Bppimt Student Chapter in collaboration with Department of Electronics and Communication Engineering has organized 'Abhigyan 2018' on 24th February this year. The response was overwhelming with 170+ team registrations. From selected 6 teams for the finals, one was chosen as the winner by a 5 round evaluation process. For the organizers, it was really a happy moment to see such enthusiasm for an Technological quiz! With the success of this event we hope that this will lead to a more tech-enthusist environment.



UPCOMING EVENTS

WORKSHOP ON DATA SCIENCE AND COMPUTATIONAL INTELLIGENCE

SPIE Bppimt Student Chapter is going to organize a workshop on Data Science and Computational Intelligence from 6th to 8th of April, 2018. The workshop is mainly focussing to fill the gap between the academia and the industry requirements.

Abhigyan, (the technical quiz organized by SPIE, BPPIMT Student chapter) had witnessed a huge number of responses from the students, thereby restricting the number of registrations for the upcoming workshop, still maintaining a number of 60 including faculties and technical staff. In the seminar there will be 3 days of Hands-on training by the industry experienced personel.

Mr. Debdyut Hajra, our former SPIE President will be delivering a special talk on Deep Learning and it's impact on the modern technology.

And we are eagerly looking forward to conduct the entire workshop properly, so that students can get a clear idea about R programming Language and Deep Learning.

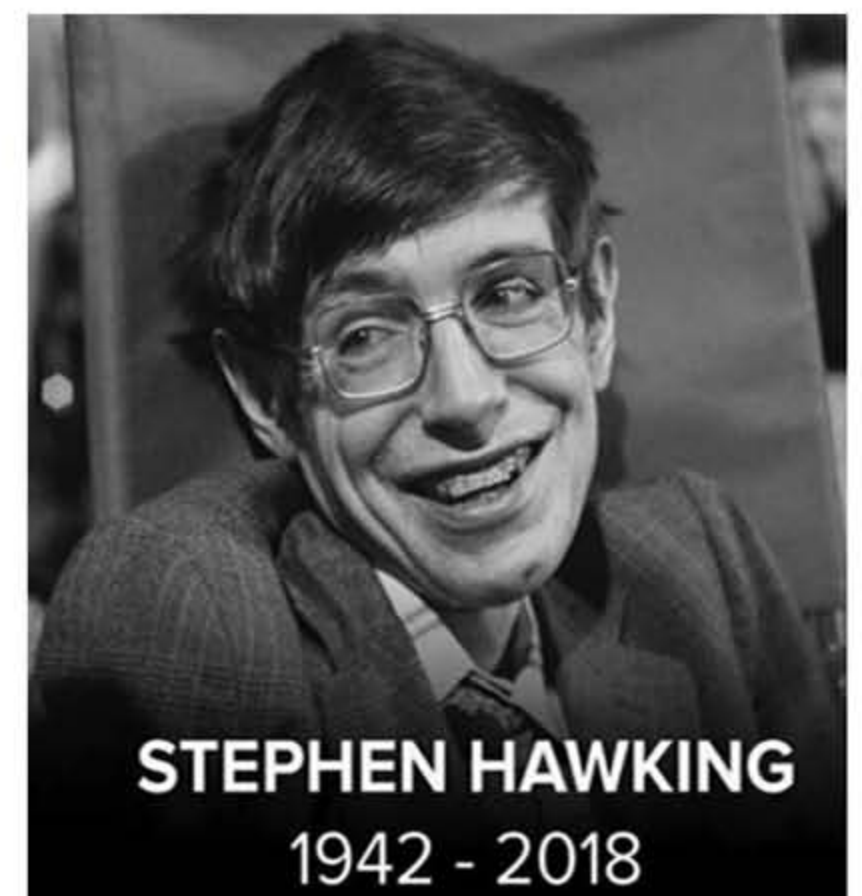
ACHIEVEMENTS & AWARDS

Faculty Publications:-

- 1) **Title-** Performance enhancement of OCDMA systems using TMWC
Authors- Ms. Somali Sikder, Dr. Shila Ghosh
Conference/Journal- Journal on Optical Engineering (International)
Date- 8th January 2018
- 2) **Title-** A first principle approach towards circuit level modelling of electrical doped gated diode from single wall thymine nanotube like structure.
Authors- Ms. Debarati Dey, Mr. Debashish De
Conference/Journal- Journal on Microsystems Technologies(International)
Date- 9th March 2018
- 3) **Title-** First principle study of structural and electronic properties for electrically doped zigzag single wall GaAs nanotube.
Authors- Ms. Debarati Dey
Conference/Journal- Article in Press (International Journal of nano dimension)
Date- 10th January 2018

In The Loving Memory Of Stephen Hawking

“However difficult life may seem, there is always something you can do, and succeed at. It matters that you just don't give up.”



Faculty Editorial Board: Ms. Rashmita Mishra, Dr. Vedatrayee Chakraborty, Ms. Susmita Biswas

Student Editorial Board: Shirsho Dutt (ECE-B, 3rd Year), Anisha Palit (ECE-A, 3rd Year)