

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



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

Issue: April - July 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.



*"The first principle is that you must not fool yourself  
and you are the easiest person to fool."*

-Richard Feynman

(11th May 1918 - 15th February 1988)



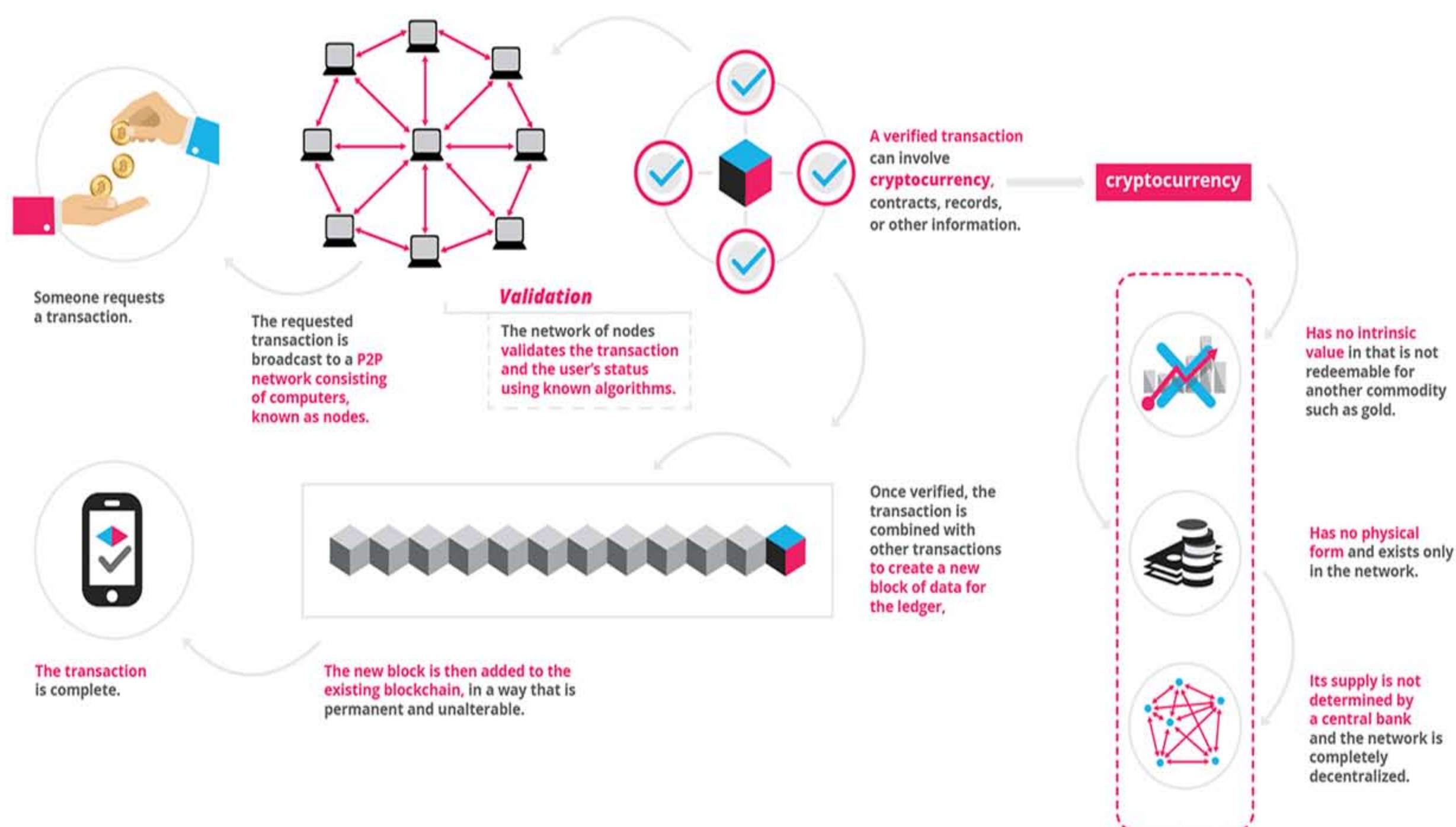
# TECH TRENDS

## BLOCKCHAINS: AN INVENTION THAT COULD CHANGE OUR WORLD

Blockchain technology is a very practical solution to the problem of storing, authenticating and protecting data. Think of a blockchain as a decentralized, extremely secure database. Or, to get slightly more technical, it's a distributed, peer-to-peer ledger of records. While nothing is ever totally 'hack-proof', blockchain represents a huge leap forward compared to our current data security technology as, unlike a centralized database, there's no one single point of failure.

The records in a blockchain are called 'blocks' and every block is connected to the previous block (hence, 'block' and 'chain'). The whole chain is self-managed, which means there's no one person or organization in charge of the entire chain. If that sounds familiar, it might be because the virtual currency Bitcoin functions on blockchain technology.

Financial services, insurance and healthcare are just some of the sectors where blockchains are likely to be heavily adopted. In fact, 90 percent of major European and North American banks are exploring blockchain solutions.





# RECENT EVENTS

## WORKSHOP ON DATA SCIENCE AND COMPUTATIONAL INTELLIGENCE

The Department of Electronics and Communication Engineering in association with SPIE Student Chapter, BPPIMT organized a workshop on Data Science and Computational Intelligence from 6th to 8th of April, 2018. The workshop was mainly focussed on filling the gap between the academia and industry requirements.

Due to the hands on nature of this workshop registrations had to be limited to 60 participants including faculties and technical staff.

The seminar saw 3 days of Hands-on training. The first 2 days saw Hands-on R-programming and Data Science session conducted by NIVT. The 3rd day was conducted by Intel, our very own former SPIE Student Chapter President, Mr. Debdyut Hazra, who is also an Intel Student Partner conducted a session on Python and Deep Learning. Thus this 3 day workshop gave students a clear idea about industrial requirements and provided knowledge to one and all about R-Programming, Data Sciences, Python and Deep Learning. This workshop gave students an insight into modern technology and its impact in real life applications.



# UPCOMING EVENTS

## SEMINAR ON VLSI DESIGN & MICROELECTRONICS TECHNOLOGY

The Department of Electronics and Communication Engineering in association with SPIE Student Chapter, BPPIMT will be organizing a Seminar on VLSI Design and Microelectronics Technology on the 8<sup>th</sup> of September 2018.

The aim of this Seminar is to provide an open forum for faculty members, graduate and undergraduate students, engineers and scientists with an emphasis on Design and Testing of VLSI Systems and Microelectronics Technology. Eminent Speakers will enlighten the audience from various



perspectives and thereby provide an overview on recent trends in this field. The Seminar will promote advance learning, discussions, and collaborative works along with development of innovative ideas.

## INDUSTRIAL VISIT

The Department of Electronics & Communication Engineering in association with SPIE Student Chapter, BPPIMT, will be organizing an industrial visit to the Kolaghat Thermal Power Station. This visit aims to nurture engineering minds and provide an insight to students about various field activities and on-sight activities of a power plant. This visit provides first hand industrial experience and exposure to the students. A visit that would teach students about first hand field experience, power generation and distribution but moreover give students the essence of working in an industry.

## ACHIEVEMENTS & AWARDS

- **Smart India Hackathon 2018-** Organized by Ministry of Human resource and Development , Govt of India, in association with NIC, I4C, AICTE, KPIT, Persistent System.

### **Winner :-**

In Ministry Category - Department of Telecommunication / Ministry of Telecommunication- Team UIDAI9 - Tanumoy Nandy (ECE B, 3rd year)

### **6th Position:-**

In Department of Space ISRO-

Swapnil Kumar Gupta (ECE B, 3rd year), Aman Verma (ECE A, 3rd year), Aithijya Mallik (ECE A, 3rd year), Aprajita Mishra (ECE A, 3rd year)



- Dr. Vedatrayee Chakraborty, published a Journal on- "Calculated Characteristics of a Transistor Laser Using Alloys of Gr-IV Elements" at Physical Status Solid B in July 2018

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)