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### ABOUT BBDNIIT

Babu Banarasi Das Northern India Institute of Technology (BBDNIIT), formerly known as Northern India Engineering College, was established under the aegis of its Governing Society Babu Banarasi Das Northern India Institute of Technology in the year 1999. The College has been approved by Dr. A. P. J. Abdul Kalam Technical University, Lucknow and affiliated to All India Council of Technical Education (AICTE), New Delhi. BBDNIIT offers B. Tech. in Computer Science & Engineering, Information Technology, Electronics & Communication Engineering, Mechanical Engineering, Civil Engineering, Electrical Engineering branches and M. Tech. in Electronics & Communication Engineering. The college also offers Pharmacy Courses (D.Pharm, B. Pharm. and M. Pharm.) and Management Course (MBA).

## ONE WEEK FACULTY DEVELOPMENT PROGRAM ON EMERGING TRENDS IN COMPUTATIONAL INTELLIGENCE (COIN - 2019)

June 18 - 22, 2019

### Organized by

Babu Banarasi Das Northern India Institute of  
Technology, Lucknow  
(Dr. A. P. J. AKTU Code: 056)



### SPONSORED BY

DR. A. P. J. ABDUL KALAM TECHNICAL  
UNIVERSITY, LUCKNOW

(Under Technical Education Quality Improvement  
Programme-Phase III)



Venue  
New Block, BBDNIIT, Lucknow

## Objectives of the Faculty Development Program

Computational Intelligence is a well established paradigm devoted to the solution of non- algorithmic problems related to perception and control or lower cognitive functions. It is a heterogeneous field that deals with theory, design, application and development of biologically and linguistically motivated computational models, focusing on the prime technologies like, neural network, fuzzy systems, evolutionary computation, probabilistic reasoning and machine intelligence. The objective of this workshop is to introduce the new innovative ideas at the crossroads of different computational intelligence techniques by hybridizing them to serve the society in different ways including medical, agriculture, socioeconomics, environmental issues etc.

The major areas of computational intelligence may include

### 1. EVOLUTIONARY COMPUTATION

Ant Colony Optimization  
Particle Swarm Optimization  
Artificial Immune Systems  
Evolutionary Games

### 2. FUZZY COMPUTATION

Fuzzy pattern recognition  
Fuzzy image, speech and signal processing  
Fuzzy Decision Making  
Fuzzy Optimization and Design

### 3. NEURAL NETWORK

Brain Imaging and Neural Information Processing  
Mathematical Modeling of Neural Systems  
Supervised, unsupervised and reinforcement learning

## RESOURCE PERSONS

### ❖ DR. G. N. PILLAI

Department of Electrical Engineering  
IIT, Roorkee

### ❖ DR. MANOJ TRIPATHI

Department of Electrical Engineering  
IIT, Roorkee

### ❖ DR. NISCHAL VERMA

Department of Electrical Engineering  
IIT, Kanpur

### ❖ DR. JAGDISH CHAND BANSAL

South Asian University, New Delhi, India

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### ❖ DR. AJEET KUMAR

Delivery Manager-Rail Transportation

System Assurance Expert

L&T Technology Services, Bangalore

### ❖ DR. AMAR KISHORE

Magadh University, Bihar

### ❖ DR. Y. N. SINGH

Department of Computer Science & Engineering,  
Institute of Engineering and Technology, Lucknow

### ❖ DR. PAWAN TIWARI

Department of Computer Science & Engineering,  
Institute of Engineering & Technology  
Lucknow

### ❖ MR. SUNIL SHARMA

Team Manager, Orange Technologies  
New Delhi

## REGISTRATION

The registration will be done on the first-come-first serve basis. The registration form can be downloaded from the website and participant should send the duly filled and forwarded registration form to the email [coin2019@bbdniit.ac.in](mailto:coin2019@bbdniit.ac.in) before the last date. Confirmation of registration will be intimated through email/telephone.

## IMPORTANT DATES

Last date of registration: June 05, 2019

## REGISTRATION FEES

There is no registration fee.

## ELIGIBILITY

The faculty members of engineering institutions affiliated to Dr. A. P. J. Abdul Kalam Technical University, Lucknow are eligible to participate in the FDP. No TA/DA will be provided for attending the FDP however the accommodation facility will be available on payment basis with nominal charges.

## FDP WEBSITE

Please visit the website for latest updates available at the URL: <https://bbdniit.ac.in/events/faculty-development-program/>

Contact Number: 8574623281/9794533985

## ADDRESS FOR CORRESPONDENCE

Office of the Director (Engineering)  
Babu Banarasi Das Northern India Institute of Technology  
Sector-II, Dr. Akhilesh Das Nagar

Faizabad Road, Lucknow – 226028, INDIA.

E mail/Contact No: [diirengg@bbdniit.ac.in](mailto:diirengg@bbdniit.ac.in)/0522-391-1048

# BBDNIIT, LUCKNOW

(Dr A. P. J. AKTU Code: 056)

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## REGISTRATION FORM

1. Name .....
2. Designation.....
3. Organization (with AKTU Code).....
4. Mobile No. ....
5. E-mail.....
6. Accommodation required: YES/NO  
(Paid accommodation will be provided if intimated in advance)

(Signature of participant)

## CERTIFICATE FROM THE INSTITUTE

Dr./Prof./Dr./Mr./Ms.....  
.....is a bonafide faculty of our institute. He/ she is  
sponsored to participate in the Faculty Development Program.

Date:  
Place:

(Signature of Director with seal)