

## Objective 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

Mr. S. N. Sahoo  
Scientist-SF  
ISRO Telemetry Tracking and Command Network,  
Lucknow

Dr. Jagdish Chand Bansal  
South Asian University, New Delhi, India

Dr. Pramod Kumar Singh  
Atal Bihari Vajpayee-Indian Institute of Information  
Technology and Management, Gwalior, MP, India

Dr. Ajeet Kumar  
Delivery Manager-Rail Transportation  
System Assurance Expert  
L&T Technology Services, Bangalore

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

Dr. Shiv Prakash  
Centre for Advanced Studies, Dr. A. P. J. Abdul  
Kalam Technical University, Lucknow

Dr. Kirti Seth  
School of Computer & Information Engineering  
INHA University, Tashkent, Uzbekistan

## 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 [coinbbd2018@gmail.com](mailto:coinbbd2018@gmail.com) before the last date. Confirmation of registration will be intimated through email/telephone.

## Important dates

Last date of registration: June 1, 2018

## 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: <http://bbdniit.ac.in/coin2018>  
Contact Number: 9936259191/9794533985

## Address for correspondence

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: [direngg@bbdniit.ac.in](mailto:direngg@bbdniit.ac.in)/0522-391-1048

**BBDNIIT, LUCKNOW**  
(AKTU Code: 056)

ONE WEEK  
FACULTY DEVELOPMENT PROGRAM  
ON  
EMERGING TRENDS IN  
COMPUTATIONAL INTELLIGENCE  
(COIN - 2018)

June 18-22, 2018

Sponsored By  
Dr. A. P. J. Abdul Kalam Technical University, Lucknow  
(under Technical Education Quality Improvement Programme-Phase III)

## 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)

### Chief Patron

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Hon'ble Chairperson, BBD Educational Group, Lucknow  
Shri Viraj Sagar Das  
Hon'ble President, BBD Educational Group, Lucknow

### Patrons

Prof. Vinay Pathak  
Hon'ble Vice-Chancellor, Dr. A. P. J. Abdul Kalam Technical University, Lucknow  
Shri R. K. Agarwal  
Chief Executive Director, BBD Educational Group, Lucknow  
Dr. A. K. Mittal  
Hon'ble Vice Chancellor, BBD University, Lucknow  
Dr. Sudharma Singh  
Registrar, BBD University, Lucknow

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Dr. S. P. Tripathi  
Department of Computer Science & Engineering, IET, Lucknow  
Dr. Shailendra K. Saraf  
Director (Pharmacy), BBDNIIT, Lucknow

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Director (Engg.), BBDNIIT

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Head, CSE, BBDNIIT  
Dr. Praveen Shukla  
Head, IT, BBDNIIT

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Head, Humanities & PC, BBDNIIT  
Dr. M K Rastogi  
Head, Management, BBDNIIT

### 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, Mechanical Engineering, Civil Engineering, Electrical Engineering and Electrical & Electronics branches and M. Tech. in Digital Communication. The college also offers Pharmacy Courses (B. Pharm. and M. Pharm.) and Management Course (MBA).

### About Lucknow

Lucknow is the capital of Uttar Pradesh. It is located in what was historically known as the Awadh region. It has always been a multicultural city. The Asafi Imambara (popularly known as Bara Imambara), the Chhota Imambara, British Residency (also includes Shaheed Samarak), and Shah Najaf are monuments of architectural importance at Lucknow. The famous 'Bhul Bhulaiyan' is part of Asafi Imambara complex. Some other places of interest are the Picture Gallery, Chattar Manzil (which houses CDRI), Constantia (Lamartiniere Boys School), State Museum /Lucknow Zoo, Dilkusha, Ambedkar Memorial, Planetarium, Baradari, Kanshi Ram Memorial and Ram Krishna Math.

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### Organized by

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Venue  
New Block, BBDNIIT, Lucknow