**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
  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 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/0522-391-1048

**BBDNIIT, LUCKNOW**

(AKTU Code: 056)

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

**J une 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**  
Smt. Alka Das  
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. Sudharmiya Singh**  
Registrar, BBD University, Lucknow

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Western Norway University, Norway

Dr. S. P. Tripathi  
Department of Computer Science & Engineering, IET, Lucknow

Dr. Shailendra K. Saraf  
Director (Pharmacy), BBDNIIT, Lucknow

**Chief Convener**  
Dr. V. K. Singh  
Director (Engg.), BBDNIIT

**Conveners**  
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Professor, EC, BBDNIIT

Dr. Anurag Shrivastava  
Head, CSE, BBDNIIT

Dr. Praveen Shukla  
Head, IT, BBDNIIT

**Organizing Committee**  
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Head, Mathematics, BBDNIIT

Dr. N. K. Mishra  
Head, ME, BBDNIIT

| Prof. Indroneil Sinha Roy  
Head, EI, BBDNIIT | Prof. Rituraj Jalan  
Head, EE & EN, BBDNIIT | Prof. Abhishek Kumar  
Head, CE, BBDNIIT | Dr. Shraddha Sinha  
Head, Chemistry, BBDNIIT | Dr. Ghanshyam Tripathi  
Head, Physics, BBDNIIT | Dr. Laxmi Vajpeyi  
Head, Humanities & PC, BBDNIIT | Dr. M K Rastogi  
Head, Management, BBDNIIT |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|

**About BBDNIIT**  
Babu Banarsi Das Northern India Institute of Technology (BBDNIIT), formerly known as Northern India Engineering College, was established under the aegis of its Governing Society Babu Banarsi 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.