



## **Two-Week Faculty Development Program**

### **Ensuring Excellence in Teaching/Learning/Research in Higher Education Institutions using ICT**

**(Inter-Disciplinary)**

**(22<sup>nd</sup> December 2018 – 6<sup>th</sup> January 2019)**

Organized By  
Department of Information Technology  
School of Information Science and Technology  
Babasaheb Bhimrao Ambedkar University, Lucknow

#### **Chief Patron**

Prof. N. M. P. Verma  
Hon'ble Vice Chancellor  
BBAU

Course Director  
Prof. R. A. Khan  
Head & Dean  
Department of IT

Coordinator(s)  
Nikhat Parveen  
Deepali Verma  
DIT, BBAU, Lucknow

## **About the University**

Babasaheb Bhimrao Ambedkar University (BBAU) was established in Lucknow in 1996 as Central University with the objective of promoting advance knowledge by instructional and research facilities in science, key and frontier areas of technology and other allied disciplines.

The University is a research promoting university. The main objective of the university is to promote professional studies, inter-disciplinary studies and research & development activities. With above objectives, BBAU has started its academic programmes which have employment potential and relevance for the development of Indian society.

## **About the Department of Information Technology**

Department of Information Technology (DIT) is one of the active Departments in the School of Information Science and Technology (SIST). The Department was established in 2007 with the aim of promoting the modern area of Information Technology to highest level of excellence and to conduct and encourage research in all areas of Information Technology and Computer Science.

The environment in the Department is highly encouraging for building of solid foundation of knowledge, hands-on experience, development of personality, creativity and motivation to keep students and faculty members abreast with the latest development in the field of IT.

## **Academic Activities organized by Department of Information Technology**

- 1<sup>st</sup> National Conference on Information Security Challenges on 28<sup>th</sup> March 2014.
- One week workshop on Research Methods in IT during 22<sup>nd</sup> September 2014 – 28<sup>th</sup> September 2014.
- Two days Workshop on RAD using Oracle IDS during 30<sup>th</sup> – 31<sup>st</sup> October 2014.
- International Conference on Emerging Trends in IT on 21<sup>st</sup>- 22<sup>nd</sup> February 2015.
- One week Workshop on Ethical Hacking and Information Security during 6<sup>th</sup> August to 12<sup>th</sup> August 2015.
- Celebrated Digital India Week during 6<sup>th</sup> August to 12<sup>th</sup> August 2015.
- 2<sup>nd</sup> National Conference on Information Security Challenges on 21<sup>st</sup> February 2016.
- Two days Workshop on CBCS on 30<sup>th</sup> – 31<sup>st</sup> March 2016.
- Three Weeks Research Methodology Course during 5<sup>th</sup> January to 28<sup>th</sup> January 2017.
- Two Weeks Training Course on Cyber Security during 1<sup>st</sup> February to 15<sup>th</sup> February 2018.

## **About the FDP**

Higher education sector has expanded exponentially in India over the last two decades or so. National statutory bodies - HRD, UGC, AICTE and others - are deeply concerned with the state of higher education in the country. All the necessary measures and policies are being framed & implemented to improve

and excel in Teaching/Learning and Research/ Development. Generating innovative and entrepreneurial culture among academic institutions has become essential. Teaching and Imbibing Employability Skills among our youth has been receiving highest priority by our Govt. Emphasis is being focused to make our educational processes and practices to be Student-centered.

This requires that our traditional teaching/learning/ assessment processes and practices be re-oriented to address the issues of student performance, achievement and continuous improvement. Choice-based Credit System (CBCS) and Outcome-based Education Approach (OBEA) are being adopted to address many of the issues concerning our education system. Higher statutory bodies expect all institutions of higher learning in the country to start an effective implementation of CBCS and OBEA in their academic programmes and develop entrepreneurial ecosystem. Such an effort requires the institutions to expose their faculty to modern processes and practices of ensuring excellence in teaching, learning and research/development. The contents of this FDP have been designed to address such requirements.

Workshop will be conducted through lectures, group discussions case-study and presentations. Participants would be required to do some self-learning and undergo a continual review throughout the course to determine the achievement of the expected learning outcomes and grasping outcome-based quality assurance processes and practices for continuous improvement of student education. Exposure to modern research tools and techniques will broaden the academic horizon of participants.

### **Learning Outcomes of the Workshop**

Participants will have the exposure to and understanding of:

- The use of ICT in Teaching/Research/Learning at HEIs.
- CBCS and its Implementation and Outcome-based Education processes and practices
- Transforming the existing curricula into OBE format
- Ability to plan and implement the OBE approach to academic curricula
- Requirements of NBA and NAAC Outcome-based Accreditation and preparation
- Developing higher level skills – critical thinking, problem solving, creativity, etc.
- Research Methodology and Writing Research papers and Projects
- Attributes of entrepreneurial campus
- Doing good research and writing effective papers and projects plans

## **Programme Outlines**

### **Week – I**

- Day1:** >> Quality aspects of in Higher Education  
>> Choice-based Credit System
- Day2:** >> UGC guidelines and Implementation of CBCS  
>> Case Study  
>> ICT. ICT tools and techniques.
- Day3:** >> Outcome-based Education (OBE)  
>> Graduate Attributes and Program Outcomes  
>> Self-study group assignments
- Day4:** >> Bloom Taxonomy and Educational Learning  
>> Vision, Mission and Programme Educational Objectives  
>> Design of Course Outcomes (COs), Prog. Outcomes (POs) and Mapping  
>> Group work
- Day5:** >> Assessment of COs and POs  
>> RUBRICS and their use to assess 21st Century Skills  
>> Attainment of Outcomes and Continuous Improvement  
>> Group work/presentation

### **Week – II**

- Day6:** >> Quality Assurance and Accreditation  
>> Overview of NAAC and NBA Accreditation Processes  
>> Filling of Self-assessment Reports (SAR)  
>> Group presentation
- Day7:** >> Practice on SAR Filling (Continues)  
>> Preparation for NAAC & NBA accreditation visits  
>> Question/Answer Sessions
- Day8:** >> Developing Employability Skills through OBE Approach  
>> Entrepreneurial Campus – attributes and requirements  
>> Group Presentation
- Day9:** >> Research Methodology-I  
>> Research Methodology-II  
>> Plagiarism and Tools
- Day10:** >> Writing Effective Research papers and proposals  
>> Patents and how to file them?  
>> Quiz  
>> Valedictory

## **Proposed Keynote Speakers:**

- Prof. K. Mustafa, JMU, New Delhi
- Prof. P. K. Mishra, BHU, Varanasi, UP
- Prof. P. S. Grover, Ex-Director, Delhi University
- Prof. Manohar Lal, IGNOU
- Prof. O. P. Vyas. IIIT, Naya Raipur
- Prof. Ugrasen Suman, SCSIT, DAVV, Indore
- Dr. H. S. Hota, Bilaspur University, Bilaspur
- Prof. Sanjeev Sharma, RGPV, Bhopal
- Prof. Gautam Barua, IIT Guwahati
- Prof. Padam Kumar, IIT Roorkee, UK
- Prof. Bidisha Chaudhuri, IIIT, Bangalore
- Prof. Nesar Ahmed, AMU, Aligarh, UP
- Prof. Nasib Singh Gill, MDU, Rohtak
- Prof. K. V. Arya, IIITM, Gwalior
- Prof. V.Kannan, University of Hyderabad, AP

## **Eligibility**

Faculty Members of any University/ Institutes/ Colleges and registered/ enrolled Ph.D. Scholars are eligible to apply to the course along with duly filled up registration form.

## **Registration Fee and Payment Details**

The registration fee is Rs. 3500/- (Rupees Three Thousand Five Hundred Only) for the faculty members and Rs. 2500/- (Rupees Two Thousand Five Hundred only) for the research scholars.

Participants are advised to fill the registration form and send it to the address of correspondence along with the demand draft on or before 15<sup>th</sup> December 2018. A brief CV of the participant and attested photocopies of the relevant documents must be attached with the form.

## **Venue/ Address of Correspondence**

Department of Information Technology, Babasaheb Bhimrao Ambedkar University, (A Central University), Vidya Vihar, Raebareli Road, Lucknow, 226025.

## **How to Reach**

Driving distance between Lucknow Railway Station, Kanpur Rd, Railway Colony, Charbagh, Lucknow, Uttar Pradesh, India to BBAU Internal Road, Babasaheb Bhim Rao Ambedkar University, Lucknow, Uttar Pradesh 226025, India is approximately 9.0 Kms.

## **Contact Details**

9453170609, 9648299875

E-mail: dit.bbaulucknow@gmail.com

# Registration Form



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ICT

(Inter-Disciplinary)

(22<sup>nd</sup> December 2018 – 6<sup>th</sup> January 2019)

Faculty Member

Research Scholar

(Paste your  
recent passport  
size photograph)

<b>Name</b>	
<b>Father's Name</b>	
<b>Date of Birth (DD/MM/YYYY)</b>	
<b>Date of registration of Ph.D.</b>	
<b>Area of Specialization</b>	
<b>Name and Address of Institute/ University</b>	
<b>Contact no.</b>	
<b>E-mail</b>	
<b>Amount</b> 1. 3500/- for Faculty 2. 2500/- for Research Scholar	

(Signature of the Participant)

Forwarded by

(Signature of the Head of the Institution) (Name, Address and Seal)	(Signature of the Research Supervisor) (Name, Address and Seal) (In case of Research Scholar)