

TWO WEEKS TRAINING COURSE ON CYBER SECURITY

(February 1, 2018 to February 15, 2018)

Organized by
Department of Information Technology
Babasaheb Bhimrao Ambedkar University
(A Central University)
Lucknow



Chief Patron

Prof. R. C. Sobti, Vice Chancellor
BBA University, Lucknow

Director

Prof. R. A. Khan
Head, DIT
BBA University

Conveners

Dr. Rajshree
Mr. Pawan Kumar Chaurasia
Dr. Alka

About University

Babasaheb Bhimrao Ambedkar University 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. This University is a research promoting university. The main objective of this 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. At present, University has eight functional schools comprising of more than twenty seven functional departments.

About Department of Information Technology

Department of Information Technology (DIT) is one of the active Departments in the School for 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.

About the Course

In the present time, internet services are easily available and majority of organizations have digitized their functionalities. This has increased their efficiency of work but on the other side, it has also increased their risk to cyber-crimes. Last year, the world has suffered greatly by the WannaCry ransomware which has affected large number of people worldwide. Therefore, it becomes inevitable to overlook the cyber-security. This course will aim to focus on the evolving cyber-threats and the countermeasures to prevent them. The course will comprise of various lectures and interactive sessions by the academicians and experts from the IT industry. It will be beneficial for those for both the students and researchers. At the end of course, the participants shall be aware about the various types of cyber-threats and the measures to be taken to curb them.

Objectives

- To introduce the participants to the prevalent cyber-threats and online frauds with the recent case-studies.
- To study the impact of cyber-crimes on user mind-set.
- To make the participants familiar with the existing cyber-laws.
- To discuss various tools and techniques related to cyber security.
- To discuss the security issues regarding online transactions.
- To create awareness about the preventive measures to combat cyber threats.

Registration Fee Details

- Academicians and Industry person 5000 INR
- Research Scholars/ PG Students 3000 INR

Payment Details

Demand Draft should be made in favour of '**Director-WCS, BBAU**' Payable at Lucknow. Participants are advised to fill the registration form, available on University website and send the registration form along with Demand Draft on or before **31st January 2018**.

General Information

- Participants must send the scanned copy of registration form to **dit.bbaulucknow@gmail.com** with payment details.
- Participants must write their name and contact number at the back side of the demand draft.

Target Audience

Academicians, Research Scholars, PG Students.

Last Date for registration

31st January 2018.

Venue

Department of Information Technology, 3rd Floor, Gautam Buddha Central Library, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow.

Address for Correspondence

Dr. Alka

Assistant Professor

Department of Information Technology,

School for Information Science and Technology

Babasaheb Bhimrao Ambedkar University (A Central University),

Vidya Vihar, Raebareli Road, Lucknow-226025, UP, India

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Email: **dit.bbaulucknow@gmail.com**

Registration Form

Two Weeks Training Course
On
Cyber Security
(February 1, 2018 to February 15, 2018)

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Department of Information Technology
Babasaheb Bhimrao Ambedkar University (A Central University)
Lucknow

Name	
Designation	
Qualification	
Organization	
Address	
Mobile No.	
E-Mail	
Gender	
Accommodation Required (Y/N)	
Demand Draft No.	
Amount	
Issuing Bank and Date	
Date	

Signature of the Participant

Send copy of registration form with transaction details by email to dit.bbaulucknow@gmail.com

Dr. Alka
Department of Information Technology, BBA University (A Central University),
Lucknow-226025

**DETAILED SCHEDULE - TWO WEEKS TRAINING COURSE ON CYBER SECURITY
(FEBRUARY 1-15, 2018)**

Day	Date	Session	Topic
Day-1	1 st Feb-2018 (Thursday)	10:00-11:30	Inaugural Session
		12:00-01:30	Cyber-security- Context and Indian Response
		02:30-04:00	Safe Computing
		04:30-06:00	Google Hacking & Google Dorks; Web Application Attack
Day-2	2 nd Feb-2018 (Friday)	10:00-11:30	Cyber-security: Issues, Threats and Attacks
		12:00-01:30	Online Scam
		02:30-04:00	Social Media and Email Fraud
		04:30-06:00	Mobile Protection
Day-3	3 rd Feb-2018 (Saturday)	10:00-11:30	Cybercrime
		12:00-01:30	Web Application Attack
Day-4	5 th Feb- 2018 (Monday)	10:00-11:30	Cyber Security Tools and Methods
		12:00-01:30	WannaCry
		02:30-04:00	Cognitive Hacking: Cyber Attack & Misinformation
		04:30-06:00	Modus Operandi in Banking Fraud
Day-5	6 th Feb- 2018 (Tuesday)	10:00-11:30	Indian IT Act
		12:00-01:30	Cyber Espionage
		02:30-04:00	Symbolic Logic and Applications to Cyber Security
		04:30-06:00	Software Testing and Debugging
Day-6	7 th Feb- 2018 (Wednesday)	10:00-11:30	Anti Forensics
		12:00-01:30	Behavioural Mining & Social Engineering
		02:30-04:00	Game Theory and Cyber Security
		04:30-06:00	Big Data: Issues and Challenges
Day-7	8 th Feb-2018 (Thursday)	10:00-11:30	Introduction to Biocoin
		12:00-01:30	Security in Context of Disruptive Technology
		02:30-04:00	Windows Hacking & Security
		04:30-06:00	Need for Big Data Security
Day-8	9 th Feb-2018 (Friday)	10:00-11:30	Identity Theft
		12:00-01:30	Recent Trends in Cyber Crime and Its Investigation Challenges
		02:30-04:00	Prevention of Security Attacks Using Watermarking
		04:30-06:00	Digital signatures: Issues and Concerns
Day-9	10 th Feb 2018 (Saturday)	10:00-11:30	Anonymous Credential System
		12:00-01:30	Security Risk in IoT
Day-10	12 th Feb- 2018 (Monday)	10:00-11:30	Block Chain Technology (Crypto Currency)
		12:00-01:30	Information Security Threats and Countermeasures
		02:30-04:00	Cyber Law
		04:30-06:00	Online Fraud, ATM Hacking, Plastic Card Frauds & Case Studies
Day-11	13 th Feb- 2018 (Tuesday)	10:00-11:30	Cyber Terrorism
		12:00-01:30	Exposing Software Crash
		02:30-04:00	Current Scenario in Digital Banking
		04:30-06:00	Introduction to Firewall
Day-12	14 th Feb- 2018 (Wednesday)	10:00-11:30	Tutorial on Firewall
		12:00-01:30	Stegnography
		02:30-04:00	Cyber Security in E- Governance
		04:30-06:00	Mail Spoofing & Call Spoofing, Phishing
Day-13	15 th Feb- 2018(Thursday)	10:00-12:00	Feedback & Valedictory

RESOURCE PERSONS

Prof. Abhishek Vaish, DCS, IIIT Allahabad	Prof. Pradeep Kumar, IIM Lucknow
Prof. Manohar Lal, Ex-Dir-SCSC, IGNOU, New Delhi	Wg Cmd. (Dr.) Anil Kumar, Amity University, Lucknow
Prof. S K Muttoo, DCS, Delhi University, Delhi	Prof. K A Pandey, RML Law University, Lucknow
Prof. K. Mustafa, DCS, JMI, New Delhi	Mr. Sachin Gupta, Advisor-CCU, UP Police
Dr. Faisal Anwer, DCS, AMU Aligarh	Dr. Amitabha, National PG College, Lucknow
Mr. Nihal Ahmad, Director, IQRA Software, Lucknow	Dr. Suhel Ahmad Khan, DCS, IGNTU, Amarkantak
Dr. Habib-ur-Rehman, New Delhi	Mr. Anjani Kumar, Director, PLS Infotech Pvt Ltd., Noida
Mr. Promod Dixit, PNBIIT, Lucknow	Mr. Uzair Khan, Cyber Security Expert, Lucknow
Mr. Ashutosh, Director, Innovative Ideas & Infotech, Lucknow	

ADVANTAGE OF ATTENDING TWO WEEKS TRAINING COURSE FOR ASSISTANT PROFESSORS (AS PER UGC REGULATIONS)

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THE GAZETTE OF INDIA : EXTRAORDINARY

[PART III—SEC. 4]

Scores	Qualification as stipulated in these regulations	of 300 points from categories II & III of APIs (cumulative)	requirement of 400 points from categories II & III of APIs (cumulative)
Selection Committee criteria / weightages (Total Weightages = 100)	a) Academic Record and Research Performance (50%) b) Assessment of Domain Knowledge & Teaching Skills (30%) c) Interview performance (20%)	a) Academic Background (20%) b) Research performance based on API score and quality of publications (40%) c) Assessment of Domain Knowledge and Teaching Skills (20%) d) Interview performance: (20%)	a) Academic Background (20%) b) Research performance based on API score and quality of publications (40%). c) Assessment of Domain knowledge and Teaching Skills (20%). d) Interview performance: (20%)

APPENDIX-III - TABLE: III

MINIMUM ACADEMIC PERFORMANCE AND SERVICE REQUIREMENTS FOR PROMOTION OF TEACHERS IN UNIVERSITIES AND COLLEGES

S.No.	Promotion of Teachers through CAS	Service requirement	Minimum Academic Performance Requirements and Screening/Selection Criteria
1.	Assistant Professor/ equivalent cadres from Stage 1 to Stage 2	Assistant Professor in Stage 1 and completed four years of service with Ph.D. or five years of service who are with M.Phil / PG Degree in Professional Courses such as LL.M, M.Tech, M.V.Sc., M.D., or six years of service who are without Ph.D/ M.Phil / PG Degree in Professional courses	(i) Minimum cumulative API scores using PBAS scoring proforma developed by the UGC as per the norms provided in Table II (A). (ii) One Orientation and one Refresher / Research Methodology Course of 2/3 weeks duration. (iii) Screening cum Verification process for recommending promotion.
2.	Assistant Professor/ equivalent cadres from Stage 2 to Stage 3	Assistant Professor with completed service of five years in Stage 2.	(i) Minimum cumulative API scores using the PBAS scoring proforma developed by the UGC as per the norms provided in Table II(A) (ii) One course / programme from among the categories of refresher courses, methodology workshops, Training , Teaching-Learning-Evaluation Technology Programmes, Soft Skills development Programmes and Faculty Development Programmes of 2/3 week duration . (iii) Screening cum Verification process for recommending promotion.
3.	Assistant Professor (Stage 3) to Associate Professor (Stage 4)	Assistant Professors with three years of completed service in Stage 3.	(i) Minimum cumulative API scores using the PBAS scoring proforma developed by the UGC as per the norms provided in Table II (A). (ii) At least three publications in the entire period as Assistant Professor (twelve years). However, in the case of College teachers, an exemption of one publication may be given to M. Phil. holders and an exemption of two publications may be given to Ph. D. holders. (iii) One course / programme from among the categories of methodology workshops, Training , Teaching-Learning - Evaluation Technology Programmes, Soft Skills development Programmes and Faculty Development Programmes of minimum one week duration . (iv) A selection committee process as stipulated in the regulation and in Tables II (A).
4.	Associate Professor (Stage	Associate Professor with three years of completed	(i) Minimum cumulative API scores using the PBAS scoring proforma developed by the UGC as per the norms provided