

# 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 **31<sup>st</sup> 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

**31<sup>st</sup> January 2018.**

## Venue

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

## Address for Correspondence

### **Dr. Alka**

Assistant Professor

Department of Information Technology,

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Babasaheb Bhimrao Ambedkar University (A Central University),

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

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Contact No.: +91-9519727263

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

## Registration Form

**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**

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**

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

## SCHEDULE (TENTATIVE)

**Inauguration: February 1, 2018 (Thu) – Venue: DIT, Third Floor, Central Library**

Session	Duration	Registration (09:00-10:00)
1	10:00-11:00	Inaugural Session
	11:00 -12:00	High TEA
2	12:00-13:30	CS-1: Basics of Networking, Internet and Hacking
	13:30-14:30	LUNCH BREAK
3	14:30-16:00	CS-2: Introduction to Cyber Security
	16:00-16:30	TEA BREAK
4	16:30- 06:00	CS-3: Cyber Security & Information Security: Facts and Myths

**February 2, 2018 (Fri) – Venue: DIT, Third Floor, Central Library**

1	10:00-11:30	CS-1: Trojans and Backdoors
	11:30-12:00	TEA BREAK
2	12:00-13:30	CS-2: Google Hacking
	13:30-14:30	LUNCH BREAK
3	14:30-16:00	CS-3: Web Application attacks
	16:00-16:30	TEA BREAK
4	16:30-18:00	CS-4: Wireless Hacking and Security

**February 3, 2018 (Sat) – Venue: DIT, Third Floor, Central Library**

1	10:00-11:30	CS-1: Security through cryptography
	11:30-12:00	TEA BREAK
2	12:00-13:30	CS-2: Data theft turning into Data manipulation
	13:30-14:30	LUNCH BREAK
3	14:30-16:00	CS-3: Phishing and Pharming Attacks
	16:00-16:30	TEA BREAK
4	16:30-18:00	CS-4: SQL Injection Attack

**February 5, 2018 (Mon) – Venue: DIT, Third Floor, Central Library**

1	10:00-11:30	CS-1: WannaCry
	11:30-12:00	TEA BREAK
2	12:00-13:30	CS-2: Introduction to Bitcoins
	13:30-14:30	LUNCH BREAK
3	14:30-16:00	CS-3: Ransomware attack
	16:00-16:30	TEA BREAK
4	16:30-18:00	CS-4: Introduction to Incident Response and Defense

**February 6, 2018 (Tue) – Venue: DIT, Third Floor, Central Library**

1	10:00-11:30	CS-1: Electronic Payment System
	11:30-12:00	TEA BREAK
2	12:00-13:30	CS-2: Man in the middle attack
	13:30-14:30	LUNCH BREAK
3	14:30-16:00	CS-3: Digital Signatures
	16:00-16:30	TEA BREAK
4	16:30-18:00	CS-4: Credit Card Frauds and Cases: Case Studies

**February 7, 2018 (Wed) – Venue: DIT, Third Floor, Central Library**

1	10:00-11:30	CS-1: Basics of Cyber Forensics
	11:30-12:00	TEA BREAK
2	12:00-13:30	CS-2: Data Breach and Recovery
	13:30-14:30	LUNCH BREAK
3	14:30-16:00	CS-3: Digital Evidence Collection
	16:00-16:30	TEA BREAK
4	16:30-18:00	CS-4: Cyber Laws in India

**February 8, 2018 (Thu) – Venue: DIT, Third Floor, Central Library**

1	10:00-11:30	CS-1: Introduction to IOT
	11:30-12:00	TEA BREAK
2	12:00-13:30	CS-2: Applications of IOT
	13:30-14:30	LUNCH BREAK
3	14:30-16:00	CS-3: Security Risks in IOT
	16:00-16:30	TEA BREAK
4	16:30-18:00	CS-4: Mitigation Strategies of security risks in IOT

**February 9, 2018 (Fri) – Venue: DIT, Third Floor, Central Library**

1	10:00-11:30	CS-1: Big data: Introduction
	11:30-12:00	TEA BREAK
2	12:00-13:30	CS-2: Big data: Issues and Challenges
	13:30-14:30	LUNCH BREAK
3	14:30-16:00	CS-3: Need for Big data security
	16:00-16:30	TEA BREAK
4	16:30-18:00	CS-4: Big data security mechanisms

**February 10, 2018 (Sat) – Venue: DIT, Third Floor, Central Library**

1	10:00-11:30	CS-1: Backdoors in Android
	11:30-12:00	TEA BREAK
2	12:00-13:30	CS-2: Mobile VOIP Hacking & Security
	13:30-14:30	LUNCH BREAK
3	14:30-16:00	CS-3: Introduction to deadly android games (Blue Whale, Ice and Salt Challenge, etc.)
	16:00-16:30	TEA BREAK
4	16:30-18:00	CS-4: Incident Response and Defense

**February 12, 2018 (Mon) – Venue: DIT, Third Floor, Central Library**

1	10:00-11:30	CS-1: Brute force Cracking
	11:30-12:00	TEA BREAK
2	12:00-13:30	CS-2: Cross site scripting
	13:30-14:30	LUNCH BREAK
3	14:30-16:00	CS-3: DNS Spoofing
	16:00-16:30	TEA BREAK
4	16:30-18:00	CS-4: PGP

**February 13, 2018 (Tue) – Venue: DIT, Third Floor, Central Library**

1	10:00-11:30	CS-1: Software security and Application security
	11:30-12:00	TEA BREAK
2	12:00-13:30	CS-2: Secure Software Development
	13:30-14:30	LUNCH BREAK
3	14:30-16:00	CS-3: Software Testing & Debugging
	16:00-16:30	TEA BREAK
4	16:30-18:00	CS-4: Firewall

**February 14, 2018 (Wed) – Venue: DIT, Third Floor, Central Library**

1	10:00-11:30	CS-1: Mobile Wallet Security (Paytm, UPI, etc.)
	<b>11:30-12:00</b>	<b>TEA BREAK</b>
2	<b>12:00-13:30</b>	CS-2: Safe Browsing Practices
	<b>13:30-14:30</b>	<b>LUNCH BREAK</b>
3	<b>14:30-16:00</b>	CS-3: Introduction to Digital Marketing
	<b>16:00-16:30</b>	<b>TEA BREAK</b>
4	16:30-18:00	CS-4: Introduction to Cyber Terrorism

**February 15, 2018 (Thu) – Venue: DIT, Third Floor, Central Library**

1	10:00-11:30	VALEDICTORY SESSION
	<b>11:30-12:00</b>	<b>TEA</b>

## 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 LLM, 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) <b>One course / programme</b> from among the categories of refresher courses, methodology workshops, <b>Training, Teaching-Learning-Evaluation Technology Programmes, Soft Skills development Programmes and Faculty Development Programmes of 2/3 week duration.</b> (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) <b>One course / programme</b> from among the categories of methodology workshops, <b>Training, Teaching-Learning - Evaluation Technology Programmes, Soft Skills development Programmes and Faculty Development Programmes of minimum one week duration.</b> (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