CENTRE OF EXCELLENCE IN CYBER SECURITY

Jawaharlal Nehru Technological University Hyderabad

15 day online Faculty Development Programme

On

"CYBER SECURITY"

In association with

TATA CONSULTANCY SERVICES

CYBERSECURITY CENTRE of EXCELLENCE

CENTRE OF EXCELLENCE IN CYBER SECURITY

JNTU Hyderabad has established a Centre of Excellence in Cyber Security to provide training for the Faculty & Students to facilitate Research & Innovation by identifying the skill gaps in the field of Cyber Security & Forensics.

Course:

The Objective of this FDP is to train the Faculty to teach the Cyber Security course which is newly introduced by JNTUH from this academic year.

Eligibility:

Faculty from all branches of Engineering

Registration Fee Particulars:

The Registration fee for the course is **Rs. 800/- (Rupees Eight hundred Only)** to be paid through online payment mode. Certificate will be issued to the participants on successful completion of the course.

How to Apply:

The faculty members who desire to participate in the program are requested to register their details through online mode at https://forms.gle/2L1QSJn2bsrpZ6dUA on or before 20th Aug, 2020.

Chief Patron

Sri Jayesh Ranjan, IAS
In charge Vice-Chancellor, JNTUH

Patrons

Dr. A. Govardhan
Rector, JNTUH

Dr. M. Manzoor Hussain
Registrar, JNTUH

Resource Persons:

Resource persons are from TCS, CoE in Cyber Security of DSCI, C-DAC, IDRBT, BARC, Central Forensics Science Laboratory, TS Forensic Science Laboratory, JNTUH, OU, HCU, NALSAR and other premier Academic & Research Institutions.

Instructions to the Participants for Online Course:

- Filling the registration form is mandatory.
- Attendance is mandatory for all sessions.
- Link will be provided a day in advance.

Important Dates:

Last date for the receipt of application through online : 20.08.2020
Intimation of selection to the participants through e-mail : 22.08.2020
Course duration : 24.08.2020 to 09.09.2020
Course Timings :03:00P.M—6:30 P.M

Coordinators

Dr. R. Sridevi   **Dr. A. Govardhan**

Address for all Correspondence:

Dr. R.Sridevi
Professor in CSE &
Coordinator, CoE in Cyber Security,
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad – 500 085, Telangana State
Please contact: 9705192304

PRINCIPAL
G.Narayanamma Institute of
Technology and Science (for women)
Shaikpet, Hyderabad – 500 104

Report on
15-Day FDP on
"CYBER SECURITY" (24-08-2020 to 09-09-2020) Organized by JNTUH.

S.No	Date		Topic	Expert Name
**UNIT-I: Introduction to Cyber Security**				
1	24-08-2020	(S-I) 3:30PM - 4:30PM	Keynote on Basic Cyber Security Concepts.	Dr A.Damodaram Professor in CSE & Director. SIT &Former Vice Chancellor. S V University damodarama@rediffmail.com
2		(S-II)	Layers of Security, Vulnerability, threat, Harmful acts Internet Governance-Challenges and Constraints, Computer Criminals, CIA Triad, Assets and Threat.	Dr Y.V.Subba Rao Associate Professor, School of Computer & Information Sciences, HCU yvsrcs@uohyd.ac.in
3	25-08-2020	(S-I)	Motive of attackers, Active attacks, Passive attacks, Software attacks, Hardware attacks, Spectrum of attacks.	Dr Rajarshi Pal Asst.Professor& Joint Director, Centre of Excellence in Cyber Security IDRBT PRajarshi@idrbt.ac.in
4		(S-II)	Taxonomy of various attacks, IP spoofing, Methods of defence,	Mr Santosh Supraja Technologies santosh@suprajatechnologies.com
5	26-08-2020	(S-I)	Security models, risk management, Cyber Threats, Cyber warfare.	Dr Lalith Singh Scientist-F Baba Atomic Research Centre lalit.rs.cse@iitbhu.ac.in
6		(S-II)	Cyber crime, cyber terrorism, Cyber espionage, etc. Comprehensive Cyber security policy.	Dr. K.V.K.Santhy Associate Professor of Criminal Law Proctor, NALSAR University of Law santhy.nalsar@gmail.com
**UNIT-II: Cyberspace and the Law & Cyber Forensics**				
7	27-08-2020	(S-I)	Introduction, Cyber Security Regulations, Roles of International Law. The Indian Cyberspace, National Cyber Security Policy.	Mr Ch.A.S. Murty, Associate Director, C-DAC, Hyderabad chasmurty@cdac.in
8		(S-II)	Introduction, Historical background of cyber forensics, Digital forensics Science.	Mr M.Krishna Asst. Director, Central Forensic Science Lab krishforensics@gmail.com
9	28-08-2020	(S-I)	The need for computer forensics, Cyber forensics and digital evidence, forensics analysis of Email.	JayaPrasad. Botsa Senior Associate, Cyber Risk, Kroll, duffandphelps Jayaprasad.Botsa@duffandphelps.com

10		(S-II)	Digital forensics Lifecycle, Forensics Investigation, Challenges in Computer forensics,	JayaPrasad . Botsa Senior Associate, Cyber Risk, Kroll Jayaprasad.Botsa@duffandphelps.com
11	29-09-2020	(S-I)	Special Techniques for forensics Auditing, Case Studies.	Mr Ch A S Murty Associate Director C-DAC Hyderabad chasmurty@cdac.in & Mrs Indraveni Join Director C-DAC, Hyderabad indravenik@cdac.in
12		(S-II)	Major forensic tools demonstration.	MS.Anjana Scientific Officer TS-Forensic Science Lab anjanakumba9@gmail.com sa02-fsl@tspolice.gov.in

UNIT-III: Cyber Crime: Mobile and wireless Devices

13		(S-I)	Introduction ,Proliferation of mobile and wireless devices, Trends in mobility	Dr Sastry, Professor, IDRBT, Hyderabad vnsastry@idrbt.ac.in
14	31-08-2020	(S-II)	Authentication service security, Attacks on Mobile/cell phones,	Ms.Anjana Scientific Officer TS-Forensic Science Lab anjanakumba9@gmail.com sa02-fsl@tspolice.gov.in
15	01-09-2020	(S-I)	Security Challenges posed by Mobile Devices, Registry settings for mobile devices.	Ms.Anjana Scientific Officer TS-Forensic Science Lab anjanakumba9@gmail.com sa02-fsl@tspolice.gov.in
16		(S-II)	Credit card Frauds in mobile and wireless computing Era.	Dr Rajarshi Pal Asst.Professor& Joint Director, Centre of Excellence in Cyber Security IDRBT PRajarshi@idrbt.ac.in
17	02-09-2020	(S-I)	Mobile Devices: Security Implications for organizations. Organizational measures for handling mobile,	Pritidhara Mishra Security Solutions Consultant, CTS, UK pritidharamishra@gmail.com
18		(S-II)	Organizational Security Polices and measures in mobile Computing Era, Laptops.	Mr Ganesah Ramani, Lead Auditor IT, Shell erganesan@gmail.com

29	09-09-2020	(S-I)		Mrs Indraveni Join Director,C-DAC, Hyderabad indravenik@cdac.in & Mr Nandeeshwar.B Project EngineerC-DAC, Hyderabad nandeeshwarb@cdac.in
30		(S-II)	An Indian case of Intellectual property crime, Financial frauds in Cyber Domain.	Pavan Thota, Head, Engineering and Industrial Services, TCS pavan.thota@tcs.com

Participants:

Mrs. D. Naga Swetha
Mr. Anil Tellur