

One Week Faculty Development Program on **CYBER SECURITY**

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JNTUK UCEV

Dear Sir/Madam,

Greetings from Department of Computer Science and Engineering,
JNTUK-UCEV, Vizianagaram

We are pleased to inform you that our department, in association with UCEV CSI Student Branch (Region-V) and [Supraja Technologies](#), is organizing a "One Week Faculty Development Program on Cyber Security" during **11th to 16th June 2020**.

The aim and scope of this FDP is to train and provide hands-on experience to the Faculty Members in Cyber Security and Forensic Tools and Technologies.

Dates of FDP: 11-06-2020 to 16-06-2020 (02:00 PM to 04:00 PM)

Mode of Delivery: Zoom Meetings

Registration Fee: Rs. 100/- per participant

Mode of Payment: Online by Bank Transfer / UPI

Bank Account Details:

STUDENT BRANCH COORDINATOR CSI-JNTUK UCEV

Account Number: **62342466368**

IFSC: **SBIN0020931**

SBI LOWER TANK BUND BRANCH

VIZIANAGARAM

Registration form: <https://forms.gle/2eWrbBy8G4XF9yKK8>

Registration Deadline: 10-06-2020 by 04:00 PM

E-Certificate will be provided to participants who will attend all sessions and submits Feedback & Quiz.

With thanks and regards

Prof. A. S. N. Chakravarthy
HoD, CSE
JNTUK-UCEV

Seats are limited, will be allotted on first-come-first-serve basis

*More details about the FDP are enclosed for your reference

One Week Faculty Development Program on **CYBER SECURITY**

Prerequisites:

- Basic Knowledge of Computers & Internet
- Minimum System Configuration Required:
Your Laptop / Desktop should have a configuration of at least i3 processor and 4 GB RAM for practical experience with tools demonstrated during FDP sessions.

[DAY-WISE SESSION DETAILS \(Tentative\)](#)

DAY - 1: 11-06-2020 (02:00 PM to 04:00 PM)

- Introduction about Hacking and Terminology
- Types of Hackers
- Phases of Hacking
- Impact of Hacking
- Past Cases about Hacking
- Social Engineering Attacks
- Google Dorking
- Future in Cyber Security
- Certifications in Cyber Security
- Virtualization (Virtual Box)
- General awareness (Physical Security & Password Management)
- Introduction about Bug Bounty

BONUS SECTION: Anonymous calling

DAY - 2: 12-06-2020 (02:00 PM to 04:00 PM)

Information Gathering:

- Social Media
- Who-is Look Up
- Reverse Lookup
- Have I pwned & How secure is my password
- True Caller
- Hunter.io
- Netcraft/Wrapperlyzer
- OSNIT Tools
- Wayback Machine
- Introductions about Shells
- Windows Hacking
- Introduction about Burp Suite

BONUS SECTION: Grabify-ip , ip infoga & Netcut

DAY - 3: 13-06-2020 (02:00 PM to 04:00 PM)

- Installation about Burp Suite
- OWASP Top 10
- Sub Domain Enumeration (Github & GUI tools)
- Host header attack
- Account take over (Brute forcing)
- Cross Site Scripting (XSS)
- Session Management Vulnerabilities

BONUS SECTION: Temporary email

DAY - 4: 14-06-2020 (02:00 PM to 04:00 PM)

- Web Vulnerability scanner (Acunetix or OWASPZ)
- No Rate Limit Attack
- No SPF records vulnerability
- FOCA Tool
- Directory Listing Attack
- Introduction about Key loggers & Honey pots
- Introduction about DOS and DDOS
- How antivirus works & scanning using Virus total

BONUS SECTION: Password Stealing using Z-shadow

DAY - 5: 15-06-2020 (02:00 PM to 04:00 PM)

- Authentication Misconfiguration Vulnerability
- Metasploit & Phonsploit
- File Upload Vulnerability
- Introduction about Juice Jacking
- Adb pull attack
- Introduction about Dark web and carding
- Cyber Attacks/Frauds

BONUS SECTION: Nasa Viewer, Sub marine Tracking, Flights Tracker

DAY - 6: 16-06-2020 (02:00 PM to 04:00 PM)

- Introduction to Digital Forensics
- Forensic technologies
- Forensic Case Studies
- Forensic Tools

Feedback and Quiz

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