



# SHRI MATA VAISHNO DEVI UNIVERSITY, KATRA



TEQIP – III SPONSORED WORKSHOP

## ETHICAL HACKING & CYBER SECURITY

25<sup>th</sup> – 26<sup>th</sup> September, 2019



### ABOUT SHRI MATA VAISHNO DEVI UNIVERSITY, KATRA

Shri Mata Vaishno Devi University is a state university on 470-acre campus located near Katra, Jammu & Kashmir. It is situated near the shrine of the Mata Vaishno Devi, after which it is named. The university is fully residential and provides technical education in the field of engineering, science, management, philosophy and other subjects of contemporary importance, with all technical courses recognized by AICTE, CIC and COA.

### ABOUT SCHOOL OF COMPUTER SCIENCE, SMVDU

The School of Computer Science & Engineering has been set up to impart training of the highest standards to the students, in the field of computers, thus preparing them to meet the exacting demands of the highly competitive global industrial market. The mission of this school is to provide quality manpower equipped with technical expertise in the field of computer science engineering to global the world, who are competent to solve social and endowed with Moral and Ethical values. The problems in industry and the society and have high moral and ethical values.



### SCOPE OF THE WORKSHOP

The aim of the workshop is to introduce the relevance of ethical hacking and cyber security in a wide range of academic and real-life problems. Gaining knowledge on how to guard systems against attacks and security breach, this workshop intends to impart the skills that an ethical hacker and cyber security expert may need. This will be achieved through lectures with main emphasis on hands-on sessions.

### LEARNING OUTCOMES

1. Identify and analyse the stages an ethical hacker requires to take in order to compromise a target system.
2. Identify tools and techniques to carry out a penetration testing.
3. Critically evaluate security techniques used to protect system and user data.
4. Differentiate what an ethical hacker can and cannot do legally.
5. Evaluate security threats and vulnerabilities.
6. Manage and configure network security devices to secure real systems against real attacks.
7. Use hacking tools to locate and fix security leaks.

**REGISTRATION LINK:**

<http://tiny.cc/f2k6bz>

**LAST DATE OF REGISTRATION: 20<sup>th</sup> SEPT. 2019**

## RESOURCE PERSONS

The following faculty members will deliver lecture during the workshop.

### Dr Maninder Singh

(Professor & Head, Thapar University,  
Specialisation: Network Security, Software  
Engineering, Parallel and Distributed Computing)

### Dr Sartajul Hassan

(Assistant Professor IIT Jammu,  
Specialisation: Finite Fields, Cryptography, Coding  
Theory)

### Mr. Dheeraj Madhurkar

(Cyber Security Expert,  
Techno Legends Pvt. Ltd.)

## TARGET AUDIENCE

The workshop is designed for faculty, staff, research scholars, students and professionals holding interest in the domain of cyber security. The workshop is free for all TEQIP III funded institutions.

## COURSE CONTENTS

The workshop introduces the concept of ethical hacking and gives an opportunity to learn about the different tools and techniques in security and hacking and practically apply those tools. The workshop will not only to generate awareness on these subjects but also provides an opportunity for one to dwell and explore the world of information security. The main objective of this workshop is to inculcate the practice of responsibly preventing attacks by providing hands on experience in the sessions and understanding that hacking has moral objectives. The following contents will be covered.

- Technical foundation of cracking and ethical hacking
- Aspects of security, importance of data gathering, foot printing and system hacking
- evaluation of computer security
- Practical tasks will be used to re-enforce and apply theory to encourage an analytical and problem-based approach to ethical hacking.

## REGISTRATION FEE & BOARDING LODGING

The workshop is free for all TEQIP III funded institutions. Boarding and lodging will be arranged for the outside participants. The fee structure is:

PARTICIPATION FEE	FACILITIES
Rs 500	With accommodation & lodging
Rs 200	Without accommodation & lodging

❖ **TA/DA shall be borne by the participants and shall not be reimbursed by the SMVDU.**

**FEE SHOULD BE PAID STRICTLY THROUGH NEFT TRANSFER WITH FOLLOWING BANK DETAILS**

**Benefeciary Name: Head, SoCSE**  
**Account Number: 0477010100000125**  
**IFSC Code: JAKA0SMVDUN**  
**Bank Name: J&K Bank, SMVDU, Kakriyal**

## CONTACT US:

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