



Sonopant Dandekar Shikshan Mandali's

**SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE AND
M.H. MEHTA SCIENCE COLLEGE, PALGHAR**

Palghar, Dist – Palghar, Pin – 401 404, E – Mail: sdsmcollege@yahoo.com

Date: 25/02/2019

To,
Mr. Devendra Mhatre,
Cyber Security Trainer,
Mumbai

Sub.: Invitation as a Guest Speaker for Certificate Course in “Ethical Hacking”

Respected Sir,

We are extremely happy to invite you as a Guest Speaker for the certificate course in “Ethical Hacking” for our UG students starting from 05th March 2019 to 29th April 2019 at 10.00 am.

Your session will inspire and motivate students by sharing real-world experiences and insights from your journey. Through your stories of triumphs and obstacles, attendees will gain valuable lessons, resilience, and strategies to overcome challenges on their own paths to success.

Prof. Mahesh Deshmukh, IQAC Convener will coordinate with you regarding the guest lecture.

Thanking you very much in anticipation.

Yours Faithfully,

(Dr. Kiran J. Save)
Principal

PRINCIPAL
Sonopant Dandekar Arts College,
V.S. Apte Commerce College &
M.H. Mehta Science College
PALGHAR (W.R.)
Dist. Palghar, Pin-401404

NOTICE

Department of Computer Science

All students of Bsc (CS) have been informed that the Department of CS is going to start a certificate course in Ethical Hacking from 5th March 2019 from 10:00 am onwards.

Mr. Devendra Mhatre is the trainer who is a cyber security expert.

Those who want to enroll for this course have to give their names to Prof. Vaishali Sindekar.



Mrs. Rashmi Varade
Head of the Department
Computer Science

Attendance:-

| ETHICAL HACKING CERTIFICATION | | | | | | | | |
|-------------------------------|---------------------|-----------|------------|------------|------------|------------|------------|------------|
| | | | DATE | DATE | DATE | DATE | DATE | DATE |
| SR.NO | NAME OF THE STUDENT | CLASS | 05-03-2019 | 06-03-2019 | 16-03-2019 | 17-03-2019 | 18-03-2019 | 19-03-2019 |
| 1 | Supriya Pawar | TYBSC(CS) | P | P | P | P | P | P |
| 2 | Mayuri Tawar | TYBSC(CS) | P | P | P | P | P | P |
| 3 | Jyoti Raghu | TYBSC(CS) | P | A | P | P | P | P |
| 4 | Tejal Marle | TYBSC(CS) | P | P | P | P | P | A |
| 5 | Priti Khot | TYBSC(CS) | P | P | P | P | P | P |
| 6 | Priyanka Waghmode | TYBSC(CS) | A | P | P | P | P | P |
| 7 | Anuj Gupta | FYBSC(CS) | P | P | P | P | P | P |
| 8 | Abhishekh Singh | FYBSC(CS) | P | A | P | P | P | P |
| 9 | Shivam Zha | FYBSC(CS) | P | P | P | A | P | P |
| 10 | Mayuri Ratnakar | FYBSC(CS) | P | P | P | P | P | P |
| 11 | Tanvi Gupta | FYBSC(CS) | P | P | P | P | P | P |
| 12 | Vidhita Mhatre | FYBSC(CS) | P | A | P | P | P | P |
| 13 | Anuj Gupta | FYBSC(CS) | P | P | P | P | A | P |

Report:-

Name of the Event –Certificate course in Ethical Hacking.

Date -13-03-2019

Time -10 AM onwards

No. of Students Participated – 13

Key Points Covered:

Designing a certificate course in ethical hacking that spans 40 hours involves structuring the curriculum to cover essential concepts, techniques, and tools used in ethical hacking. Here's a proposed outline for such a course:

Course Title: Certificate Course in Ethical Hacking

Course Duration: 40 hours

Course Objectives:

- Understand the principles and methodologies of ethical hacking.
- Gain hands-on experience with common hacking tools and techniques.
- Learn about vulnerability assessment and penetration testing.
- Develop skills to identify and mitigate security risks.
- Prepare for industry-recognized certifications in ethical hacking.

Course Outline:**Week 1: Introduction to Ethical Hacking (6 hours)**

- Overview of ethical hacking
- Legal and ethical considerations
- Introduction to cyber security principles
- Basics of networking and protocols

Week 2: Information Gathering and Footprinting (8 hours)

- Passive and active reconnaissance techniques

- Footprinting through search engines and social engineering
- WHOIS lookup, DNS interrogation, and network mapping

Week 3: Scanning and Enumeration (8 hours)

- Port scanning techniques (TCP, UDP)
- Service identification and version detection
- Enumeration of network resources and user accounts
- Banner grabbing and SNMP enumeration

Week 4: System Hacking (8 hours)

- Password cracking techniques (brute force, dictionary attacks)
- Privilege escalation
- Escalating Windows and Linux systems
- Exploiting vulnerabilities in operating systems and applications

Week 5: Web Application Hacking (6 hours)

- Understanding web application architecture
- Common web vulnerabilities (SQL injection, XSS, CSRF)
- Exploiting web application vulnerabilities using tools like Burp Suite

Week 6: Wireless Network Hacking (4 hours)

- Introduction to wireless networks (Wi-Fi)
- Cracking WEP, WPA/WPA2 encryption
- Rogue access points and man-in-the-middle attacks

Week 7: Evading IDS, IPS, and Firewalls (4 hours)

- Understanding intrusion detection and prevention systems
- Techniques for evading detection
- Firewall evasion techniques

Week 8: Penetration Testing and Reporting (6 hours)

- Introduction to penetration testing
- Conducting a penetration test
- Reporting findings and recommendations
- Ethical and professional responsibilities

Final Assessment:

- Practical examination: Students will demonstrate their skills in a simulated ethical hacking environment.
- Written examination: Assessing theoretical knowledge acquired during the course.

Certification:

- Upon successful completion of the course and passing the assessments, participants will receive a Certificate of Completion in Ethical Hacking.



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Palghar, Dist – Palghar, Pin – 401 404, E – Mail: sdsmcollege@yahoo.com

Date: 15/02/2019

To,
To,
Mr. Devendra Mhatre,
Cyber Security Trainer,
Mumbai

Subject : Letter of Appreciation.

Respected Sir,

Thank you very much for delivering an informative & thought-provoking Lecture on the certificate course in Ethical Hacking” for our UG students starting from 05th March 2019 to 29th April 2019 at 10.00 am.

The session offered students and teachers valuable guidance and inspiration as they navigate their own paths towards the successful journey.

I'm excited about the prospect of elevating our collaboration to remarkable heights.

Your expertise and willingness to share knowledge are truly appreciated.

Yours faithfully,

MDeshmukh

(Prof. Mahesh Deshmukh)
IQAC Convener

Kirane

(Dr. Kiran J. Save)

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