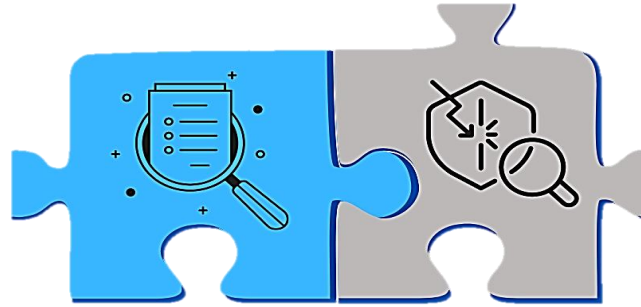*A Four Week Certification Program on*

VULNERABILITY ASSESSMENT & PENETRATION TESTING

1ˢᵗApril –27ᵗʰ April 2024

06.00PM - 08.00 PM (online mode)

Vulnerability Assessment and Penetration Testing (VAPT), *a vital process for uncovering weaknesses in a system's defences. VAPT experts act as a security partner, helping organizations to identify and prioritize vulnerabilities, develop remediation plans and to comply with regulations. In essence VAPT experts play a vital role in safeguarding critical data, systems, and an organization's reputation in today's threat landscape. VAPT Engineer is one of the significant job roles in Cyber Security Industry.*

Topics that will be covered include:

- ➢ *Introduction to Cybersecurity*
- ➢ *Importance of VAPT in securing systems*
- ➢ *Introduction to Vulnerabilities and Threats*
- ➢ *Overview of Penetration Testing*
- ➢ *Legal and Ethical Considerations*
- ➢ *Tools Used in VAPT (Nmap, Wireshark,Metasploit, Burp Suite etc.)*
- ➢ *Penetration Testing Methodology*
- ➢ *Exploitation Techniques*
- ➢ *Post-Exploitation and Reporting*

Centre of Excellence in Cyber Security

Directorate of Entrepreneurship Innovation and Start-ups

Jawaharlal Nehru Technological University Hyderabad

Kukatpally, Hyderabad-500 085

Centre of Excellence in Cyber Security, JNTUH has been established with an objective of providing training for the faculty & students, to facilitate Research & Innovation by identifying the skill gaps in the field of Cyber Security and Forensics.

Course:

The Four Week certification program aims to provide participants with a solid foundation in Vulnerability Assessment and Penetration Testing (VAPT) by covering essential cybersecurity concepts, networking fundamentals, and an in-depth understanding of common vulnerabilities and threats. Participants will gain hands-on experience with popular VAPT tools, learn ethical and legal considerations, and develop practical skills in conducting vulnerability assessments and penetration tests. The program's ultimate goal is to equip attendees with the knowledge and practical insights needed to identify and mitigate security risks effectively in a professional setting.

Eligibility:

Faculty, Research Scholars, Students of B.Tech, M.Tech, BCA, MCA or equivalent, B.Sc(Computers), M.SC(computers) and Professionals.

Registration Fee:

The Registration fee for the course is to be paid in online mode only.

- Students/ Research Scholars: **Rs.2000/-(**Two Thousand Rupees) per participant.
- Faculty/ Professionals: **Rs.3000/-(**Three Thousand Rupees) per participant.

e-Certificate will be issued on successful completion of the course.

How to Apply:

Interested participants have to submit the google form on or before 30-03-2024.

https://forms.gle/3szp8kxFZRps1xR26

Prof. Katta Narasimha Reddy
Hon'ble Vice-Chancellor

Prof. K Vijaya Kumar Reddy
Rector, JNTUH

Prof. K Venkateswara Rao
Registrar, JNTUH

For further Details:

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