

**Gujarat Technological University
Graduate School Of Engineering and Technology**

**A Report on Expert Talk
“Operating System Vulnerabilities and Security aspects”**

Date: 17-07-2021, 11:00AM

Session Coordinator: Prof S D Panchal, Professor

About Expert:

Varun Parikh is a sales engineering manager at Sophos, with responsibility for the East, West, and South Africa regions. He has years of cybersecurity experience and has the drive and determination to resolve complex issues. He possesses an excellent working knowledge of technologies and is committed to keeping up to date with the latest developments. He provides motivation, guidance, and up-to-date IT security consultancy services to colleagues, clients, and customers.



The objective of the Talk:

To understand the industry views on

- Operating System-level vulnerabilities, Attack kill chain, How attackers exploit these vulnerabilities, Thinking beyond OS vulnerabilities, Setting up correct Cybersecurity posture and Detection and Response procedures

Abstract of the Talk:

Due to the rapid revolution in the field of digitization, the cybercrime rate exponentially increases. The attackers are exploiting the various vulnerabilities in the operating system as an instrumental. The expert focused on the attackers' mindset and their objectives to perform the attack during the first part of his talk and later on, various latest reported operating system vulnerabilities like Warranty ransomware, information disclosure in Internet Explorer 2019 was discussed with demonstration. The attack kill chain was discussed which to understand the various stages which are following by the attackers to perform the attacks.

Participants:

- The students of the Cybersecurity Program (2nd Semester)

Agenda

- Think like Attacker – Attacker objectives
- OS level vulnerabilities
- Attack kill chain
- How attackers exploit these vulnerabilities
- Thinking beyond OS Vulnerabilities
- Setting up a Cybersecurity posture
- Detection and Response procedures


