



VIT-AP UNIVERSITY

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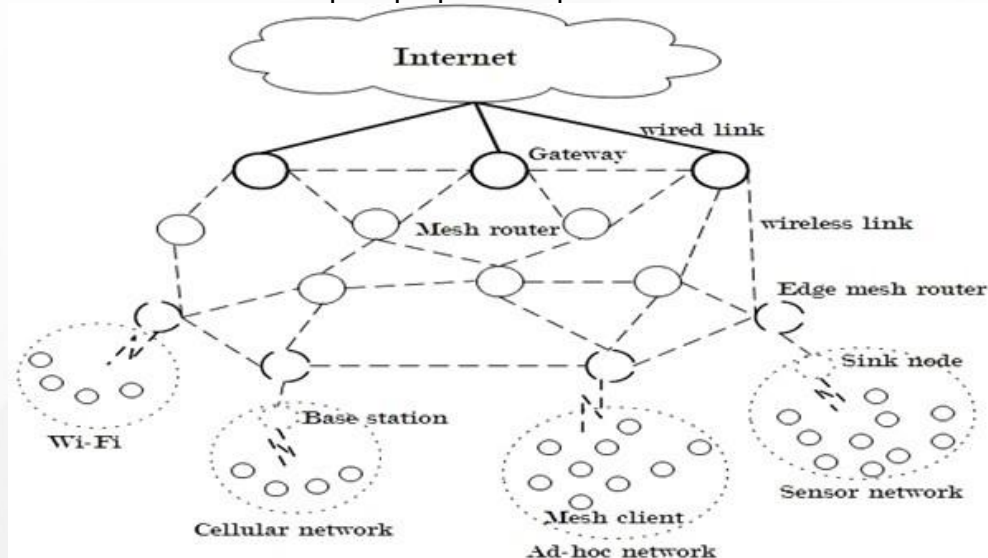
Hands-on Wireless Network Security

(A Value Added Course)

offered by

School of Computer Science & Engineering (SCOPE)

Wireless networks such as MANET, VANET, and IoT are receiving great attention in the modern world due to their ease of use and portability. However, wireless networks are more vulnerable than wired networks due to a lack of security controls and flexible system and monitoring controls. Wireless network nodes often leave or join the network, which leads to dynamic topology, where attackers can have more scope to perform routing attacks like blackhole, grayhole, wormhole etc., attacks on the routing protocols. Students implement these attacks and find out the network performance before and after the attacks. In addition to that, students implement existing solutions for these attacks and have the scope to propose new prevention solutions for these attacks.



Course Contents : -

- ★ Wireless Networks
- ★ Wireless Security Issues
- ★ Routing Attacks
- ★ Routing Attacks Implementations
- ★ Performance Analysis
- ★ Prevention techniques and implementation
- ★ Detection techniques and implementation
- ★ Wi-Fi Attacks

EVERY WEDNESDAY, THURSDAY & FRIDAY 4:00 PM to 6:00 PM

Commence from 29-06-2022.

Certificate after completion of course

Instructor : Dr. K.Ganesh Reddy, SCOPE