Name: Aswath S

College: Vellore Institute of Technology, Vellore

Reg.No: 21BEC2188

Wi-Fi Training Program 2025

Module 6

Question 5:

Why was WPA2 introduced?

Solution:

- WPA2 was introduced to replace WPA, which was only a temporary fix for WEP vulnerabilities.
- It provided **stronger encryption** by using **AES** instead of the weaker **TKIP** used in WPA.
- It fully complied with the **IEEE 802.11i security standard**, while WPA only partially complied.
- It introduced **strong authentication methods** suitable for **Enterprise networks** (like RADIUS servers and EAP methods).
- WPA2 offered **better data confidentiality and integrity** than WPA.
- It was designed for **newer hardware**, making Wi-Fi security more **future-proof**.