**Secure Company Network System**

**Members:**

***Ayman Mustafa Mohamad***

***Mahmoud Rajab Mohamed Abdalhalim***

***Nada Atia Abdelaziz Atia***

***Tasneem Abdelbaset Rashad Mahmoud***

***Aya Elsayed Ebrahim Elsayed***

**Company: AST**

**objective**

This project successfully outlines the creation of a robust and scalable network infrastructure using Cisco Packet Tracer. By implementing a structured approach with a core, distribution, and access layer, we ensure efficient traffic management and network segmentation. The integration of critical services like DHCP, DNS, web, and file servers with proper IP addressing and security measures, such as Zone-Based-Firewall

And ACLs provide a secure and manageable environment. Additionally, the inclusion of wireless connectivity with access points and controllers enhances network accessibility and flexibility. By meticulously configuring and testing each component, this network design guarantees reliable connectivity, enhanced security, and efficient resource management. This comprehensive setup serves as a solid foundation for meeting the company's current needs and scaling to accommodate future growth and technological advancements.