**Abstract:** The purpose of this project is to explore cybersecurity threats and solutions in the digital age. It aims to identify cyber risks like malware and phishing, assess security measures such as encryption and firewalls, and promote best practices for digital safety. Additionally, it examines emerging technologies and provides recommendations to enhance cybersecurity.

**Scope of the Project :**

The scope of this project includes identifying common cyber threats, analysing cybersecurity measures, and exploring emerging technologies like AI and blockchain in security. It covers best practices for individuals and organizations, risk mitigation strategies, and real-world case studies. The project aims to provide insights into strengthening digital security in an increasingly connected world.

**Objectives of the Project :**

1. **Identify Cyber Threats** – Analyse various cyber risks such as malware, phishing, and ransomware.
2. **Explore Security Solutions** – Study encryption, firewalls, multi-factor authentication, and other protective measures.
3. **Promote Cyber Awareness** – Educate individuals and organizations on best practices for digital safety.
4. **Assess Emerging Technologies** – Examine the role of AI, blockchain, and other innovations in cybersecurity.