Study on the Challenges of Cyber Security and the Emerging Patterns Associated with Modern Technologies

Ashish Chauhan[1], Ansari Saif[2], Gupta Amit[3]

Asst. Professor[1] and FYIT[2,3]

Uttar Bhartiya Sangh's Mahendra Pratap Sharda Prasad Singh College of Commerce & Science, Mumbai, Maharashtra

Abstract: *Cybersecurity is crucial to the information technology sector. Information security is a significant concern in the contemporary world. When considering cyber security, the first thing that comes to mind is the increasing prevalence of cybercrimes. Multiple governments and businesses are implementing a variety of measures to prevent these cybercrimes. Despite the implementation of several precautions, a significant number of individuals remain deeply apprehensive about the issue of cyber security. This essay largely addresses the challenges encountered by contemporary technology-driven cyber security. Furthermore, it highlights the latest updates on cyber security strategies, ethical considerations, and emerging trends that are reshaping the cyber security domain..*

Keywords: cybercrimes, governmental involvement, cyber security