

India's Cyber Security

Challenges and Options

Editors

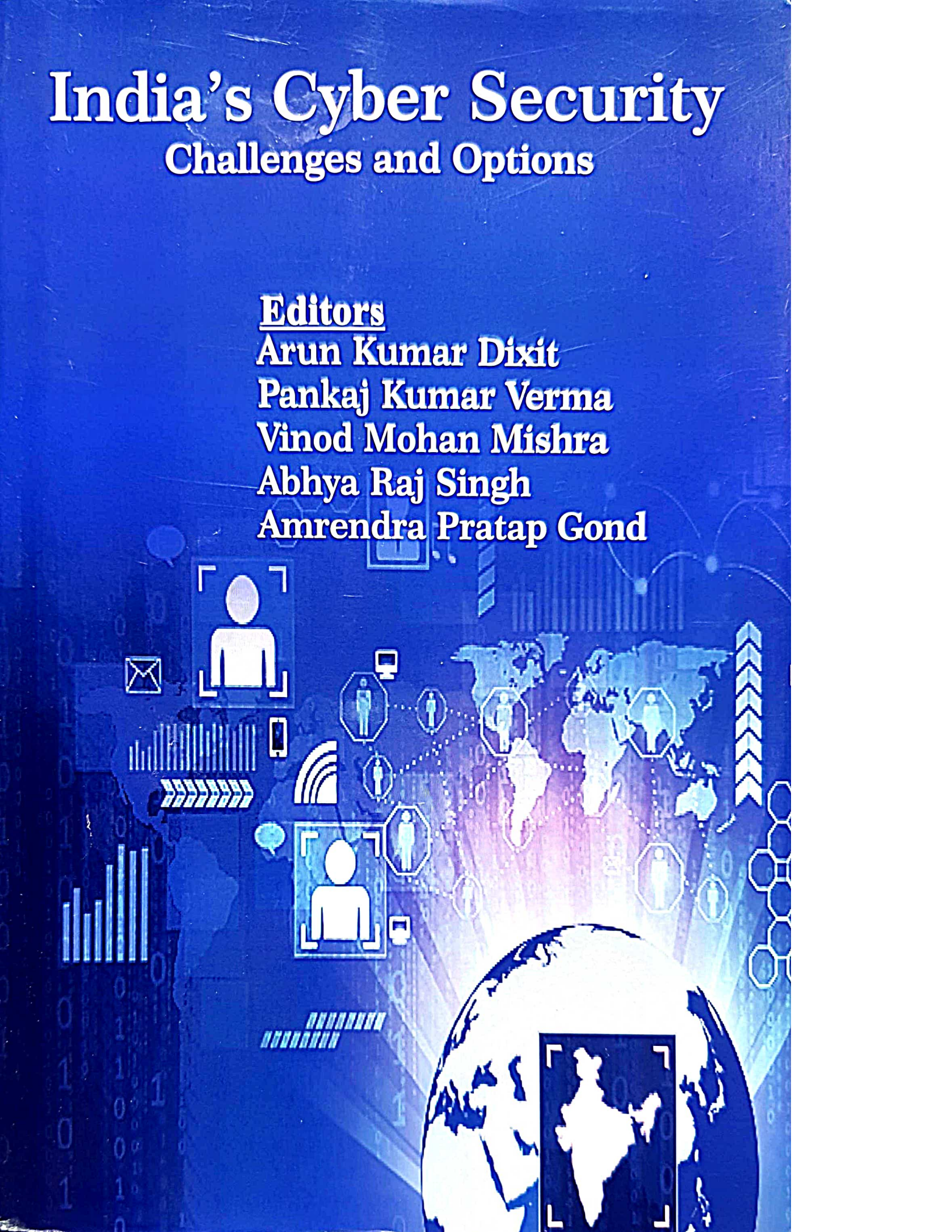
Arun Kumar Dixit

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Cyber Security Challenges and Strategies

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Introduction:

The modern, technologically advanced society is centered around digital life, which puts people at more danger of cybercrime than before. Cybercrime opened the door for potential threats to certain people or businesses, which resulted in significant financial damage. Data breaches are becoming more frequent, and the technical world has changed to include cyber security to safeguard sensitive and secret data. Cyber security was a technique used to safeguard networks, servers, computers, electronic gadgets, mobile devices, and data. Cyber security has also been used to protect other electrical devices from online attackers. The important material was removed, moved, or leaked by malevolent attackers, posing a serious threat to businesses, organizations, or particular people. Cyber security provided assistance in defending against attackers by guaranteeing the integrity, accessibility, and confidentiality of data. Cyber security has become one of the elements of organisational procedures and policies as a result of the enormous financial damage caused by cyber security crimes. The hackers used original hacking techniques and upped their bar for attacks to one that was challenging to solve. It presented enterprises with a risk when it came to managing data security.[1] Due to the digital age and the quick advancement of technology, mobile malware had been on the rise in recent years [2]. Everybody in the world had smartphones, and even children had been using them for games as well as schooling. The first cause of mobile malware is the use of unsecure URLs, untrusted WiFi networks, or other... internet resources. The mobile security research detailed the fundamental and early stages of malware development and how it spread to mobile devices. In a survey conducted in 2021, 97% of businesses reported encountering mobile malware when accessing their