INTERNET VIRUSES

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Internet viruses are a growing threat to the security and stability of computer systems and networks. They can cause a wide range of damage, including data theft, system disruption, and financial loss. This paper provides an overview of internet viruses, including their types, modes of transmission, and mitigation strategies.

The advent of the internet has brought about a profound transformation in our lifestyle and work culture. However, along with its numerous benefits, it has also brought in new security threats, one of which is internet viruses. Malicious software programs are designed to infect computer systems and networks via the internet. They can cause significant damage, including data breaches, system outages, and financial losses. As a result, it's essential to understand the various types of internet viruses, how they are transmitted, and the methods used to minimize their risks.

Internet viruses come in different types, including worms, Trojan horses, and ransomware. Worms are self-replicating programs that spread across networks and computers without user intervention. Trojan horses are programs that appear to be legitimate software but contain hidden malicious code. Ransomware is a malicious software that encrypts a user's files and demands payment of a ransom in exchange for restoring access to them.

Internet viruses can be transmitted via email attachments, malicious websites, and infected downloads. They can also spread through social engineering techniques, such as phishing scams, which trick users into downloading and installing infected software.

To counter the menace of internet viruses, there are several mitigation strategies that can be employed. These include the use of antivirus software, firewalls, and user education. Antivirus software can effectively detect and eliminate viruses from a computer system, whereas firewalls can block unauthorized access to a network or computer system. Providing users with education is crucial since it can help them acquire the knowledge needed to recognize and steer clear of typical internet virus threats.

Recognizing the severity of internet viruses as a threat to computer system and network security and stability is crucial. Therefore, it's essential to understand the various types of internet viruses, how they are transmitted, and the strategies used to mitigate their risks to maintain the security of computer systems and networks.

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ARDUINO PLATFORM. ROBOTS BASED ON ARDUINO

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As technology continues to advance at an unprecedented rate, robotics is becoming an increasingly popular field of study at universities around the world. Robotics is a field that includes the design, construction, and operation of robots. These robots can be used for a wide range of applications, from manufacturing to healthcare. Arduino, a popular open source electronic platform, is often used to control and program these robots. In this post, we will take a closer look at Arduino-based robots and explore their capabilities.

Arduino is an open source electronic platform for creating digital devices and interactive objects. The platform consists of a microcontroller, which is a