Coding Club, NFSU Tripura

An interactive Ethical Hacking Session was conducted on 13 Mar. 26 to demonstrate common cybersecurity vulnerabilities and to spread awareness about secure system design. The session focused on practical demonstrations of how weaknesses in web applications can be exploited if proper security practices are not followed.

During the session, four websites were analysed and tested for vulnerabilities:

1. **A Private College Student Portal**
   The portal was accessed without using any hacking tools or custom code. This demonstrated how weak authentication or improper access controls can allow unauthorized login through simple logical flaws.

2. **NFSU TC Dashboard Website made during SCH (Smart Campus Hackathon)**
   This project was one of the winners of the Smart Campus Hackathon. The team had already deployed the platform, and during the session it was demonstrated how the OTP-based multi-factor authentication (MFA) mechanism could be bypassed due to implementation weaknesses.

3. **A Club Website of NFSU Tripura**
   The website database was exploited to insert a “hacked” poster into the system, highlighting the risk of weak database security practices.

4. **A Government Website**
   Another government-hosted site was examined and successfully compromised to demonstrate how publicly accessible systems can become vulnerable if they are not regularly audited and patched.

In addition to web exploitation demonstrations, the session also introduced participants to the Dark Web Sites. Examples were shown of marketplaces websites where illegal activities such as purchasing weapons, drugs, or hiring criminal services are advertised.

Disclaimer

This session was conducted strictly for educational and ethical cybersecurity awareness purposes. Participants are requested not to disclose or leak any private discussions, technical details, or sensitive information shared during the event.

All demonstrations were intended to promote responsible and ethical hacking practices. Participants are encouraged to use cybersecurity knowledge only for legal, ethical, and defensive purposes to help build safer digital systems.