	[ase Studies [Assignments]
<u> </u>	Assers the Purpoint of Active and Parstue Attacks on the security of Banking System.
	SBI'S 12000 Employee doita leaked (Adhe attack
	In July 2023, a Telegram channel leaked the data of over 12,000 SBI employees and account holders. The data included accord, photo IDs, work IDs, phone numbers, addresses, names, PAN
	no, etc.
	The leak was caused due to a misconfiguration in a database that was used to store the persona information of 3BL employees and account holders
	The database was not password protected, which

The dotabase was hosted on a cloud server that was not properly configured. The server was not protected by finewall.

Cyber Attack on "Se ave Bank" (Passine Altack)

let's say there is a bourk "Secure Bank" which offers a wide sange of banking facilities.

There is a cybercrine group "CyberSec" which does cyber crimes.

Eyber Sec sends spear-phishing emails to bouck employeer which has an attachement. On opening the attachement k or downloading the attachement an injected file is entered into the systems.

The attackers can gein banks network. They exceptoyee a malware (Tegjan) which can open vetwork for them.

There hads to parsine attack, where the cyber windrals can use techniques like Bereen-capture tooks, teaffic sniffers, etc. These can help them to know activities like data transfers, transaction Itoms, etc.

Importance of CIA triad for a large university. Additionallyouttine some specific security mechanisms to safeguard critical data, systems and susoners effectively

The CIA Hind is a fundamental concept in information security. It stands for confidentiality, Integrity, Anailable Confidentiality: It ensures that only authorized individual or entities have access to sensitive information. For a university, this could include student sucords, research data, financial information, etc. Integrity: It owner that Proportion is accurate, complete, unaltered. Data Integraty is cornelal for a univentityt neseauch findings, administratine encords, and other critical information. Availability: It ensures that information and resource are accossible and wable when reeded. En context of online cystems, research databases Specific eccusity securies and mechanisms that the university can implement to safeguard critical data, systems and resources include: Access controls

Internsion detection and prevention systems

Regulace security Audils and penetration testing security owerness training

Data Backup & Disaster Recovery Incident Response Plan

viii) Using SIEM took