## Data Information And Security - AD19652 ASSIGNMENT - 2

Discuss in détail about what is risk management and how to édentify and accus risk in an Organization.

Risk management!

Risk management is process of identifying, assessing and controlling rishe that could impact on Organization expulsion. potential threats while moscinizing opportunities.

Effective risk management ensures business continuity enhances decision making, safeguards on organization from firmital losses, security branches, regulatory non-compleance

and reputational damage.

Steps to Edentify & assess risks in an organization: affect because of business operations, data & resources. Categories of risk includes: strategic risks, operational risks, firmual risks, ytersecurity risks.

2) Risk assessment: After Edentifying sisks, organization assess then based on two key factors.

Inpact (Severity)

Discuss in detail about assessing and controlling of risks:

Riche assissment proces! \* Risk Edentification: Recognizing all potential threats
\* Risk analysis: Evaluating the nature and Impact of risks. \* Risk Evaluation: freoritizing risks based on Severity.

Risk control strategies!

Once risks are assessed, Organizatione Emplement control

Reste avoidance: Eliminating the activity that generates

ribbe.

Risk mitigation: reducing the impact on likelihood of risks.

Risk transfer: Shifting tresponditility to third parties Risk acceptance: Acknowledgers & preparing for rules that cannot be associated. cannot be avoided.

Implementing tick control:

Preventive controls: finewalls, security policies, staff

training. Detective controls: Security auditi. Entrucion detection

systems.

Corrective controls: Discuster recovery plans, backup solution Compensatory controls: Alternative security measure when primary control fails.

Discuss in detail about blueprint for information security?

Abhaprint for information security a a structured framework that defines how on organization protects the digital and physical Enformation cuseste. It consists of Security policies, procedures and technologies that ensure Controlledily, integrity 4 availability of information. Components of an Enformation Security blueprent

Risk management framework: Defines security policies and risk assessment method.

Acues control measures Role based access control Multifactor authentication

Network Security Strategy: Firewalls, VPNs, Intrusion detection and preventation System (IDS/IPS)

Data Protection strategy: Encryption, Secure backups, Data loss prevention Incident Response plan: Steps for handling cyber threats and security breaches.

importance of an Information Security bluegent: Ensures proactive Security measures are in place. Protects sensitive information from cyber threats Support business continuity and disaster recovery Helps in regulatory compliance and legal protection

Discuss in detail about information security policy?

An information security policy (ISP) is a set of rules and quidelines that define how an organization protect its Enformation assesst. It establishes the principles for data protection, System Security & compliance with legal and regulatory requirements.

Key elements of an Information Security policy:

1) Purpose & Scape: Define the objective and areas covered by

2) Robes and responsibilities: Assigns, Security duties to employee the policy It teams and executives

3) Accus Control policies: Specifies who can accus what data and have to Data protection guidelines: Encryption, handling, data returbian Berefits:

Provent data branches S. when threats

Prevents data breaches & cyber threats

Defines clear security responsibilities across the

organization.

Ensure regulatory compliance & avoids legal penalties Reduces risks associated with them human errors and Privider threats.