## Risk Assessment

Information asset	Known or suspected threats	Known or suspected vulnerabilities	Primary concern s (CIIIA)	Possibili tg of occurren ce	lmpac t level	Raw risk level	Key information security controls in effect	Incident undetectabi lity	Detect ed risk level	Mean risk total
Database X	Hacking	Internet connectivity; inadequate firewall protection	C+I	1	4	4	Data protection policies & procedures; network security controls; system security controls	3	12	11
	Poor quality data	Poor quality information provided; incomplete checking and updating	A+I	3.5	2	7	Built-in integrity checks; routine procedures for checking & correcting data; ad hoc re- checks	2	14	
	Social engineering	Limited compliance with procedures; lack of awareness of the threat	С	0.5	3	1.5	Data protection policies & procedures; ongoing awareness program	4	6	
Veb system Y	Hacking	Internet connectivity; inadequate firewall protection; web client	I+A	1	4	4	Network security controls; system security controls; data security controls	2	8	12
	Social engineering	Limited compliance with procedures; lack of awareness of the threat	С	1	4	4	Data protection policies & procedures; network security controls; system security controls	4	16	
: Switches	Hacking	Internet connectivity; inadequate firewall protection	C+I	1	4	4	Network security controls; system security controls; data security controls	2	8	28
	Virus, worm, trojan or other malware	Internet connectivity; inadequate firewall protection	C+I	1	4	4	Network security controls; system security controls; data security controls	2	8	
	Data or system corruption	poor quality in administration or engineering the network	A+1	2	2	4	Higherachical architecture for network administration and engineering. Priviledge controls.	3	12	
Backup servers	Theft	poor physical security	C+I	1	4	4	CCTV cameras, security guards, controlled entrance.	1	4	12
	Accidental or criminal damage, sabotage	poor physical security, thretening	C+I+A	1	4	4	well trained security guards, link with the police station.	1	4	
	CC Steam Size Ste	Business situated in a low		400	.c. 3		Fire distinguish methods, have a			
Servers	Accidental or criminal damage, sabotage	poor physical security, thretening	C+I+A	21	4	4	well trained security guards, link with the police station.	:1	4	12
	Fire, flood	Business situated in a low land or near a forest.	Α	21	4	4	Fire distinguish methods, have a well maintained drainage system	1	4	
Cabling	Accidental or intentional Damage	Cables are lay across public area, Not sheilded.	Α	200	2	4	hide the cables, sheild the cables.	3	12	24
	Corrosions	metal and copper cables	Α	3	<b>1</b>	3	use fibre optics, shield the cables.	4	12	
Access points	Unauthorized access to the internet.	weak password and security.	A	200	্ৰ	2	strong password, monitor the usage.	2	4	18
	Hacking	Internet connectivity; inadequate firewall protection	C+l	24	4	4	Network security controls; system security controls; data security controls	2	8	
	Accidental or intentional Damage	Access points are not placed in a secure place.	Α	2	<b>a</b>	2	place the access points inside a secured place.	3	6	
Operating system	Hacking	Internet connectivity; inadequate firewall protection; web client	C+l	2:1	4	4	Data protection policies & procedures; network security controls; system security controls	2	8	
	Data or system corruption	poor quality in administration or engineering the system	A+1	₹2⊘	2	4	Higherachical architecture for system administration and engineering. Priviledge controls.	s <b>t</b> .	4	20
	Virus, worm, trojan or other malware	Internet connectivity; inadequate firewall protection	C+l	24	4	4	Network security controls; system security controls; data security controls	2	8	
							Data protection policies &			