Information asset	Known or suspected threats	Known or suspected vulnerabilities	Primary concerns (C/I/A)	Possibility of occurrence	Impact level	Raw risk level	Key information security controls in effect	Incident undetectability	Detected risk level	Mean risk total	Comments, notes, explanation		
Student Database	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	C	0.5	3	**1.5**	Data protection policies & procedures; ongoing awareness program	4	**6**				
Web site	Hacking	Internet connectivity; inadequate firewall protection; web client	I + A	1	4	**4**	Network security controls; system security controls; data security controls	2	**8**	**9.3**			
	Network Attack	DDOS attacks, SQL injections	A + I	1	4	**4**	Firewall, sql controllers	1	**4**				
	Social engineering	Limited compliance with procedures; lack of awareness of the threat	C	1	4	**4**	Data protection policies & procedures; network security controls; system security controls	4	**16**				
LAN	Hacking	Unauthorized Access	C + I	3	2	**6**	firewall, IDS, IPS	3	**18**	**14**			
	Virus, worm, trojan or other malware	Sniffers, network based attacks	C	4	1	**4**	Virus guard, network traffic monitoring tools	4	**16**				
	Data or system corruption	packet drops, false data	A	1	4	**4**	Data protection policies & procedures; network security controls; Data Integrity checks	2	**8**				
Backup tapes	Theft	easy access to the store location	C	1	3	**3**	Access Control Policies	1	**3**	**2.3**			
	Accidental or criminal damage, sabotage	poor storage conditions	I + A	2	2	**4**	Best practices, Data protection policies	1	**4**				
	Fire, flood	No fire alarm	A	0	4	**0**	Physical security, Countengency plan	1	**0**				
PC's, laptops, PDAs etc. used by staff	Theft	easy access to the premisses	A	3	2	**6**	Swipe cards, CCTV, Guards, Lock doors	1	**6**	**5.3**			
	Virus, worm, trojan or other malware	Internet connectivity, USB drives	C + I	4	1	**4**	Update security signatures, Increase user awarenes	2	**8**				
	Accidental or criminal damage, sabotage	lack of user policy	A + I	1	2	**2**	Best practices, Data protection policies	1	**2**				
Servers	Theft	easy access to the premisses	A	1	4	**4**	Access Control Policies, Lock doors	1	**4**	**6.5**			
	Accidental or criminal damage, sabotage	HVAC control	A + I	1	4	**4**	Best practices, Data protection policies	1	**4**				
	Hacking	internet connectivity, network access	C + I	2	3	**6**	Firewall, IDS, IPS	3	**18**				
	Fire, flood	Redundant servers	A	0	4	**0**	Physical security, Countengency plan	1	**0**				

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