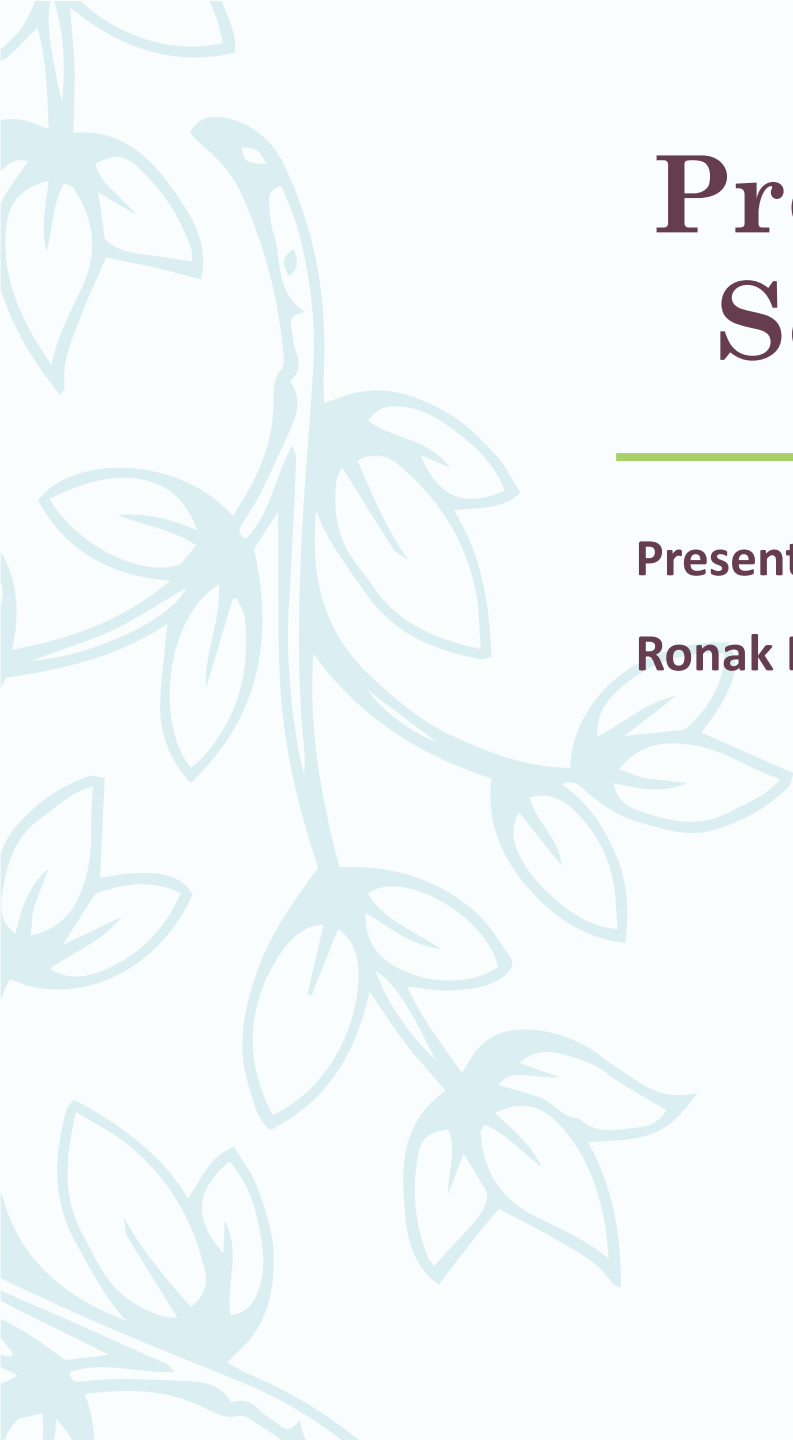




Presentation On Question No. 1

Security Issues In E-business

Presented by

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Faculty

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Introduction

- E-commerce technology plays a key role for buying or selling products or services through the internet platform.
- E-business is divided by 3 category like B2B, B2C and B2G
- The e-commerce organization provides a number of opportunities for the customers to buy product through just one click.
- The ecommerce website also provides a number of payment options such as cash on delivery or payments through bank.

Technology related issue

- DDoS attack e.g. BBC on 2016 (BBC News, 2016)
- Brutal force attack e.g. club. Nintendo (Knight, 2013)
 - Same password for different site
 - Try and error method (dictnorey)
 - Poor encryption
 - ROT 13
 - SHIFT 5

A B C D E F G H I J K L M

N O P Q R S T U V W X Y Z

H E L L O

U R Y Y B



Simple Substitution

- Plaintext: **fourscoreandsevenyearsago**
- Key:

Plaintext	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
Ciphertext	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C

- Ciphertext: **IRXUVFRUHDQGVVHYHQBHDUVDJR**
- Shift by 3 is "Caesar's cipher"



Human related security problems in E-business

- Phishing attack e.g. gannett company (loss 1800 account) (Robert Abel and Abel, 2017)
- Fraud activity

Way to protect issues

- Develop address verification system
- Require CVV
- Develop strong password management system
- Ensure multi layered security
 - Data encryption
 - Web protection
 - Email security and archiving
 - Anti-spam and spam filters

Recommendation

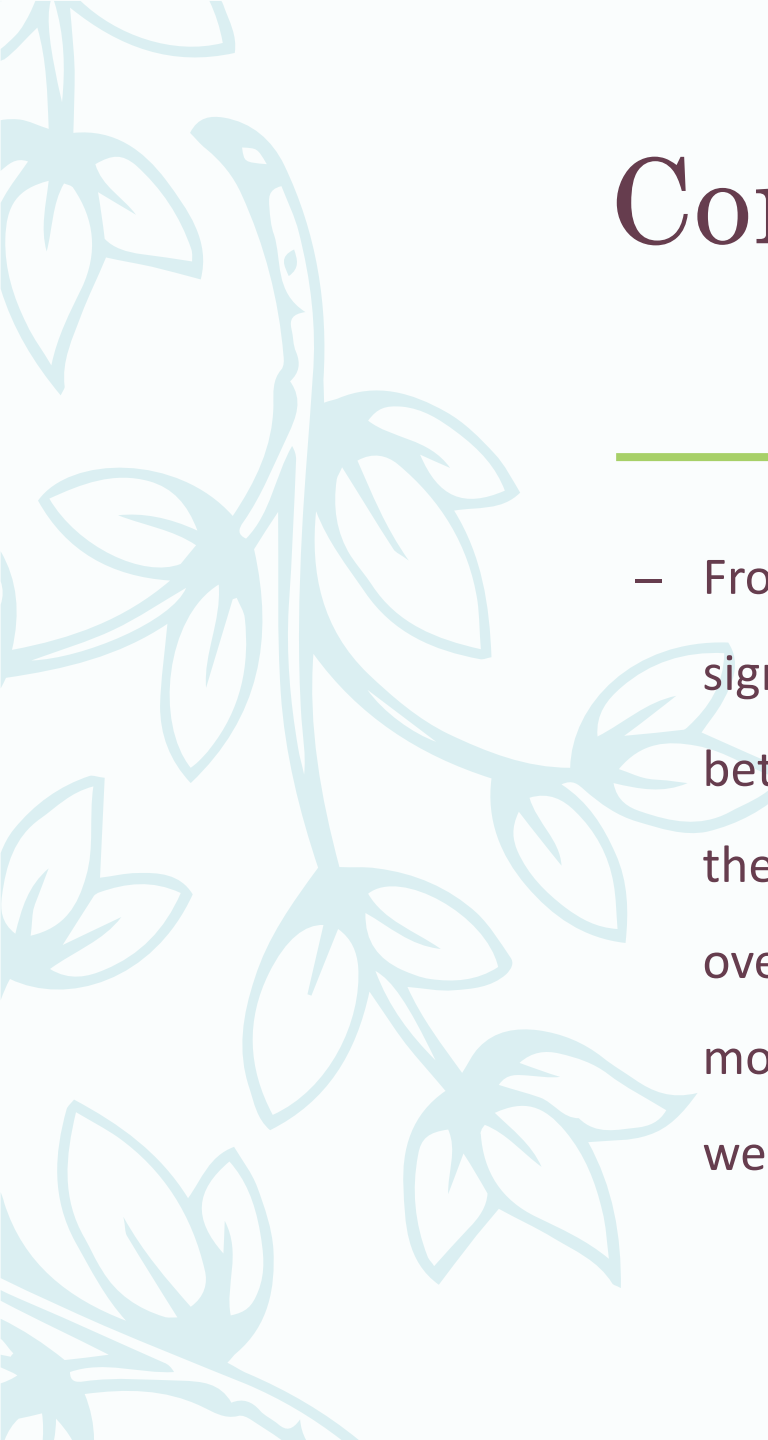
- The customer should focus on secure ecommerce platform which can meet security practices offered by the organization.



- Customers should focus on strong password using case sensitive, characters and number.

- To protect against DDoS attack company must be identify early in stage and contact to ISP to re route the traffic.





Conclusion

- From the entire study it is evident that E-commerce websites have become a significant technology for performing various kinds of online transactions between the business to business and business to customers. Security threat is the most significant concern for both the organization and customers. From the overall analysis it has been observed that technology related security risks are more harmful comparing with the human related security risks in ecommerce website.

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USEFUL LINK



- <https://www.incapsula.com/ddos/denial-of-service.html>
- <https://www.wordfence.com/learn/brute-force-attacks/>
- <https://www.webroot.com/gb/en/home/resources/tips/online-shopping-banking/secure-what-is-social-engineering>



THANK YOU