K S R COLLEGE OF ENGINEERING, TIRUCHENGODE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University

Chennai

ORGANIZED BY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

WEBINAR

ACADEMIC YEAR: 2019-2020

TITLE

"CYBER SECURITY"

on

14.06.2020

Co-ordinator: Dr.S.KARTHIKEYAN, PROFESSOR / ECE

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Event Schedule and Report

1	**Name of the Event (Seminar/Workshop/Conference/FDP/Any other)**	Webinar
2	**Name of the Department**	Electronics and Communication Engineering
3	**Date of the Event**	14.06.2020
4	**Venue**	Online mode through Google Meet
5	**Title of the Event**	Webinar on cyber security
6	**Name of the Co-ordinators**	Dr.P.S.Periasamy Prof and Head /ECE Dr. S. Karthikeyan, Prof/ECE
7	**Total Participants**	69
8	**Objectives of the Event**	To aware students, research scholar and faculty members about the cyber security and the challenges associated with it.

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DEPARTMENTOFELECTRONICS AND COMMUNICATION ENGINEERING

Organizes

Webinar on cyber security

14.06.2020

Intent of Webinar:

To ensure the privacy of information, the correctness of data, and access to authorized users and equips with the knowledge to efficiently use the tools.

Theme:

Today, cyber attacks are no longer stopped by antivirus software or firewalls. The risk of cyber attacks is constantly increases. With the world becoming more connected every single day, security is becoming increasingly more important. In an age where we manage more and more of our lives digitally, it means that anyone—in any career—should have basic knowledge of cyber security as well as keeping security up to par. This theme empowers individuals and organizations to own their role in protecting their part of cyberspace

Topics Covered:

Mr.S.Senthil pandian, Consultant, TCS, London has delivered lecture on various topics in cyber security. He emphasis the importance about the security. The topics that covered in the webinar are Phishing attacks, Removable media, Passwords and Authentication, Physical security, Mobile Device Security, Working Remotely, Public Wi-Fi, Cloud Security, Social Media Use, Internet and Email Use, Social Engineering and Security at Home.

Co-ordinator

HOD/ECE

Principal

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Permission Letter

From

Dr.S.KARTHIKEYAN

Professor,

Department of ECE,

K.S.R. College of Engineering,

Tiruchengode - 637 215

To

The Principal,

K.S.R. College of Engineering,

Tiruchengode – 637 215

Respected Sir,

Sub: Webinar on **"CYBER SECURITY"** - Permission requested - Reg.

The ECE department has planned to conduct a Free Webinar on "CYBER SECURITY" sponsored by IT Infrastructure & security consultant Tata Consulting Service (TCS) on 14.06.2020 at 11.30 to 12.30PM. We request you to grant permission to conduct the online Webinar.

Thanking You

Yours sincerely,

Place: Tiruchengode

Date: 10.06.2020

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K.S.R. Kalvi Nagar, Tiruchengode – 637 215, Tamil Nadu, India
Phone: 04288-274213 Fax: 04288-274757 E - mail: principal@ksrce.ac.in

Department of Electronics and Communication Engineering

Organizes

Lion Dr.K.S. RANGASAMY, MJF
Founder - Chairman
K.S.R. Educational Institutions

Webinar on

CYBER SECURITY

Mr. R.SRINIVASAN, BBM., MISTE
Vice - Chairman
K.S.R. Educational Institutions

Mr.S. SENTHIL PANDIAN
IT Infrastructure & Security Consultant
TCS, London

Date : 14.06.2020 (Sunday)
Time : 11.30 a.m to 12.30 p.m

Registration Link
https://forms.gle/NpgmAxzqBTYn1DcJ7

E-certificate will be provided to the participants

Convener
Dr.P.S.Periasamy
Professor-Head, Dept. of ECE

Coordinator
Dr.S.Karthikeyan, Prof./ECE
+91-9942591602

Co-Coordinator
Mr.J.Rameshkumar,AP/ECE
+91-9791262595

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Senthil Pandiyan S

Mobile No: 9094760721, Email Id: senthil84@gmail.com

- Possessing dynamic career spanning 10 years of good IT Career experience include Development projects, Maintenance projects, Bug fixing and Testing in automated manner in Banking domain by adopting Agile Scrum Methodology.
- Highly interested in testing the software/system to find bugs from the end users perspective in order to deliver the high quality product/project. In extent with manual testing experience, have acquired the knowledge to work in **'Selenium with Java' automation testing, TESTNG framework, GIT, JIRA.**

TECHNICAL SKILLS & CERTIFICATION

Environment/Languages	:	UNIX, Shell script, C, Basics of Java
Automation Testing	:	Knowledge of Selenium with Java WebDriver, WebElements, Xpath Concepts, File upload, TestNG framework.
Tools	:	Eclipse IDE, JIRA, Putty, Control-M, Informatica client 10.2, SQL Developer, Delphix – VDB.
Certification	:	ISO 9001:2015 Certification for successfully completing the training on **"Manual Testing and Selenium with Java"** automation testing.

PROFESSIONAL EXPERIENCE

IT Infrastructure & Security Consultant, TCS (London)

Client: Fidelity Investments (TRIL- Chennai)

Duration: April 2016– Jan 2020

Project Description: FPCMS – Integrated Test Eco System (ITE)

Integrated test eco system project deals with provisioning of all the applications of FPCMS in ITE environment (Pre-Prod) and acquiring the knowledge to run End-to-End testing in order to provide a stable and integrated platform like production. Hence, this helps in testing any business flow (like Cash, Accounting, Share Holder etc.,). Any bug that is related to connectivity between upstream and downstream applications or unexpected behavior in business flow can be caught before releasing to production itself.

Responsibilities:

In order to perform 'END-TO-END Testing' the business flows before releasing to production, I have taken up the below responsibilities.

- Co-ordinate with each application team to gain the knowledge of applications.
- Provisioning of application involves – installation of Linux server in C2C (Cloud to Connect platform), ETL tool Informatica , Delphix for Virtual DB Deployment of App code using U-deploy tool.

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- Own the responsibility of maintaining the provisioned applications in ITE environment which includes resolving the environmental issues, timely patch update and any upgrade required without affecting the application functionality.
- Successful installation of applications followed by validation in order to provide the stable and pre-prod like environment for E2E testing at any time.
- Prepare the run book for each application with all the steps required for E2E testing irrespective of testing program.
- Automation tasks are carried out wherever applicable in order to avoid manual tasks and that reduces the manual error and considerable amount of time in E2E testing.
- Work in Agile-Scrum Methodology.

Environment/Lang: UNIX/Linux, Shell Scripts, SQL

Tools: Putty, Control-M, Informatica client 10.2, SQL Developer, Delphix -VDB

Professional 1 Analyst, CCS (Chennai)

Client: CITI Bank, Japan& FXRPC (Fifteen Regional Countries)

Duration: July 2011– April 2014

Project Description: Confirmation Management System (CMS)

Confirmation Management System, a critical application of Citi bank Ltd which is responsible for confirming deals and trades with the counter party traders or with Citi bank other branches on a daily basis. Also generates Advices and tracers for the same.

Responsibilities:

- Served as a POC for CMS module for fifteen regional countries with different requirements by understanding the Business Requirements, Technical Design and preparing SDLC/Process Documentation
- Preparing Unit Test Plan and Unit Test Result Plan, developing code and testing the final integration.
- Involved in preparation of Test data and Test Case for testing the new/enhanced modules to test the existing and new development.
- Raise a Change through Infoman, Track the Production Problem through Virtual Ticket for bugs.
- Directly Interacting with Client Manager, Business Users, Change management Team.
- Troubleshooting the issues reported by the users.
- Performing Health checks to ensure proper functioning of the application.
- Written Script for Job Automation process which reduces manual effort.

Environment: UNIX Scripting, C, PVCS, Shell Scripts, SQL

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Technology Analyst, Infosys (Chennai - Mahindra City

Product: FINACLE(Banking Product)

Duration: November 2006 - July 2011

Roles Played: Technology Analyst, Infosys Technologies Ltd

- Software Product Development of FINACLE 10.4(Banking Product) and implementing Architectural changes.
- Leading a team of 4-5 members, assigning and reviewing tasks.
- reparing Unit Test Plans
- Testing and debugging for the Finacle product.
- Guiding and managing developers in implementing the solutions for customer requirements.

Specialized Training

- Certification on Core Retail Functional, Infosys Internal Certification/FINACLE IBU 2007
- Certification on Core Technical, Infosys Internal Certification/FINACLE IBU 2007
- Certification on Basic Unix & Oracle, Infosys Internal Certification/FINACLE IBU 2008
- Foundation Course in Banking, Infosys Internal Certification/FINACLE IBU 2008
- Certification on Web Fundamentals, Infosys Internal Certification/FINACLE IBU 2009

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FREE WEBINAR ON "Cyber Security"

15.06.2020

WEBINAR REPORT

Department of Electronics and Communication Engineering, K.S.R College of Engineering (Autonomous), Tiruchengode Organized a Webinar on "**Cyber Security**" in association with IT Infrastructure and Security Consultant TCS London on **14.06.2020 at 11.30 to 12.30 PM** https://meet.google.com/myz-vyen-wsc

The Webinar began with welcome address by **Dr.P.S. Periasamy** the Head of the Department, ECE. He introduced the resource person **Mr. S. Senthil Pandian,** IT Infrastructure and security consultant TCS London; to deliver the lecture and welcomed all the participants.

Impact Analysis on Webinar

- The webinar was very useful to the Faculty members and students to learn about the fundamentals cyber securities involved in software industry. It was very useful for gaining knowledge regarding cyber securities with internet securities and non-internet securities. The lecture was even more interesting with the cybercrimes happening while using the internet.
- This webinar helped the Faculty members and students to improve their knowledge on the field front end web development and the students may have the opportunity to participate in more workshops.
- The webinar has also motivated the students to learn more about cyber securities and ethical hacking. **69 participants** were attended the webinar successfully.

Impacts on Programme Outcomes:

PO1-Engineering Knowledge:

This webinar provides basic engineering knowledge on cyber environment and their securities issues.

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PO3 - Design/development of solutions:

This webinar helps to save guard yourself from being attacked by software hackers design a good software to save from cyber security issues write Programming and customize the front page depending on customer requirement and client various applications

PO11-Project Management and finance:

This webinar motivated many of the students to know about the cyber-attacks various ways to escape from cyber security attacks.

PO12-Life-long Learning:

This webinar provides information on security issues and protect us from other external software threats hence helps life-long learning.

Information Brochure

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Students attended the program

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CYBER SECURITY

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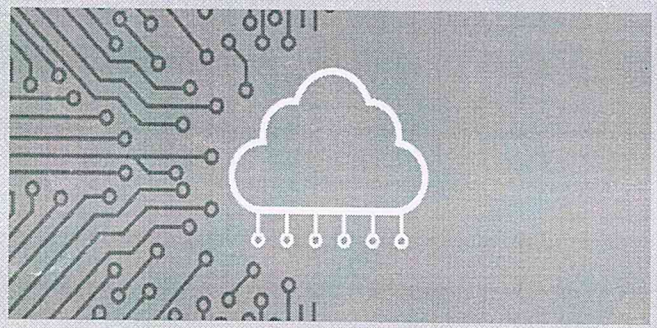
Discussion Topics



- Cyber Security Overview
- 2020- Cybercrime statistics
- Global organizations Cyber Security spend
- Cyber Security Skills Requirements
- CIA Triad – Cyber Security Objectives
- Security Controls & Reducing Risks
- Modern Business and Security
- Cyber Security Domains
- Cyber Security- Defence in Depth
- Identity and Access Management
- Data Encryption
- Network Security Architecture
- Cyber Attacks & Threats
- Cyber Security Framework
- 10 Riskiest Employee Practices in Organisations
- Cyber Essentials – 10 Basic Controls
- Covid-19 Threats statistics
- Q & A

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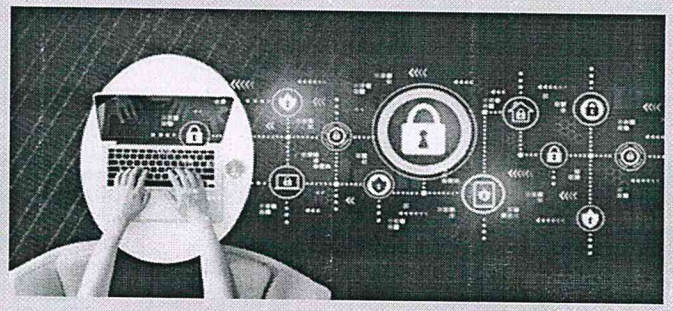
Cybersecurity Overview

Protecting electronic devices and associated data and information



Cyber Security is the process and techniques involved in protecting sensitive data, computer systems, networks and software applications from cyber attacks. The cyber attacks are general terminology which covers a large number of topics, but some of the popular are:

- Tampering systems and data stored within
- Exploitation of resources
- Unauthorized access to the targeted system and accessing sensitive information
- Disrupting normal functioning of the business and its processes
- Using ransomware attacks to encrypt data and extort money from victims

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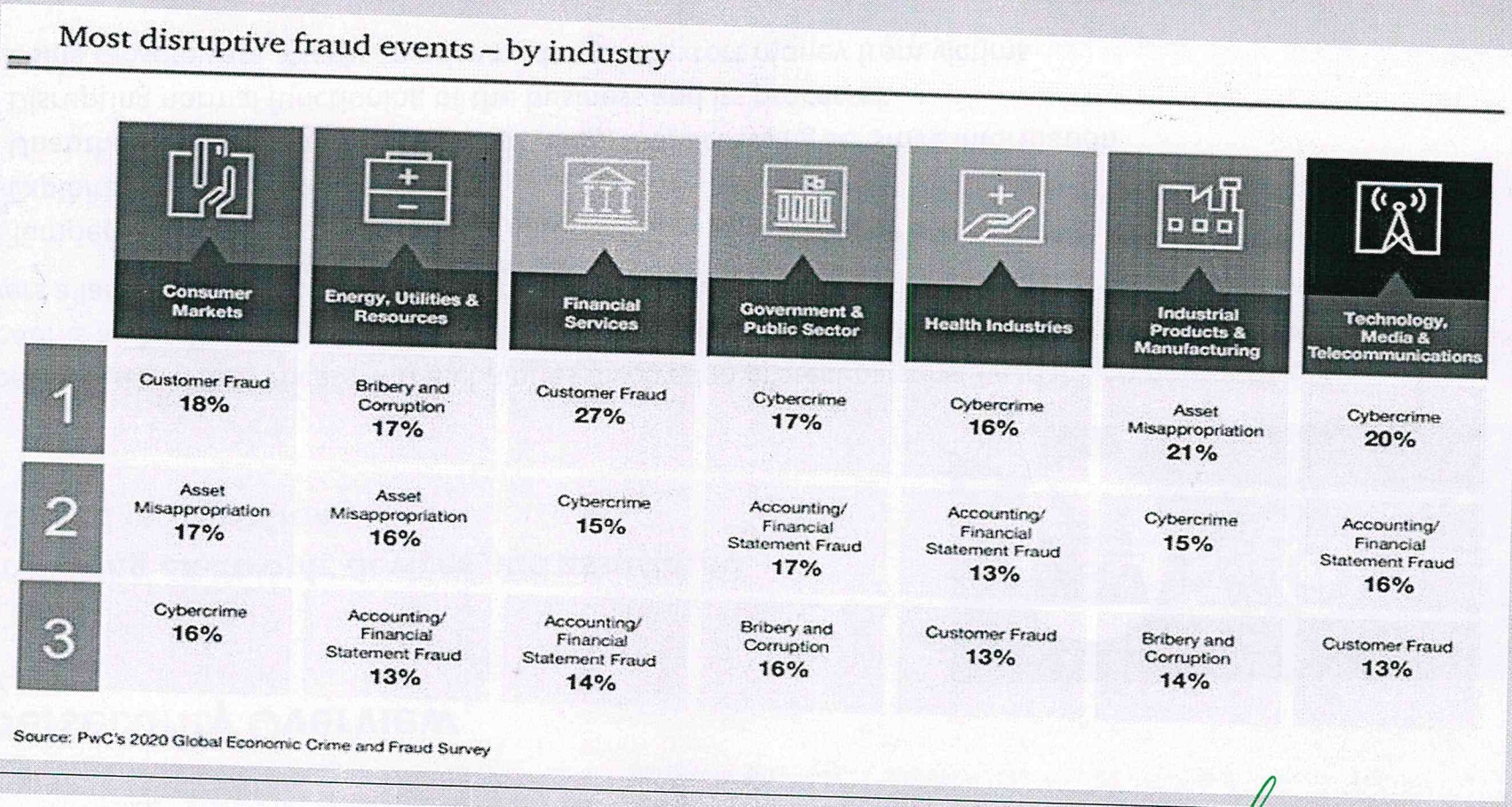
2020- Cybercrime Statistics



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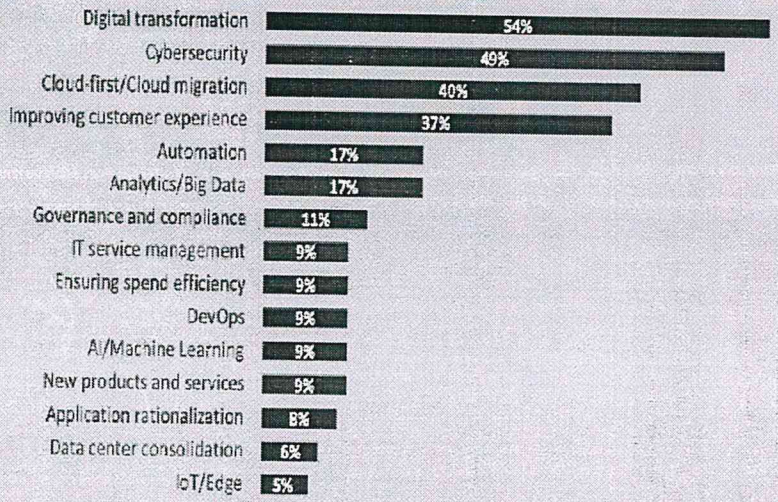
Global Organizations Cyber Security Spend

Top 3 Priorities for Technology Initiatives

% of respondents



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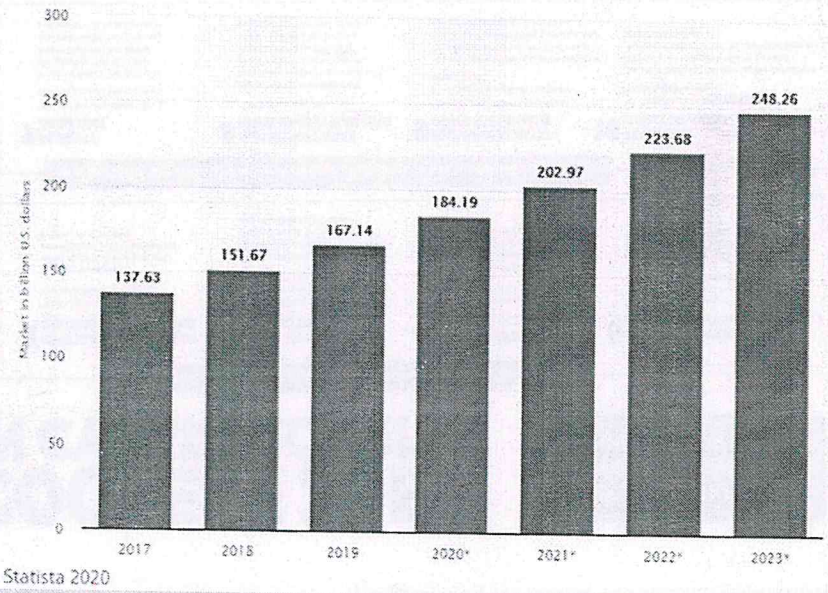
Source: Flexera 2020 State of Tech Spend Report

Global Cybersecurity Market Forecast, 2017 to 2023

(Billions of Dollars)



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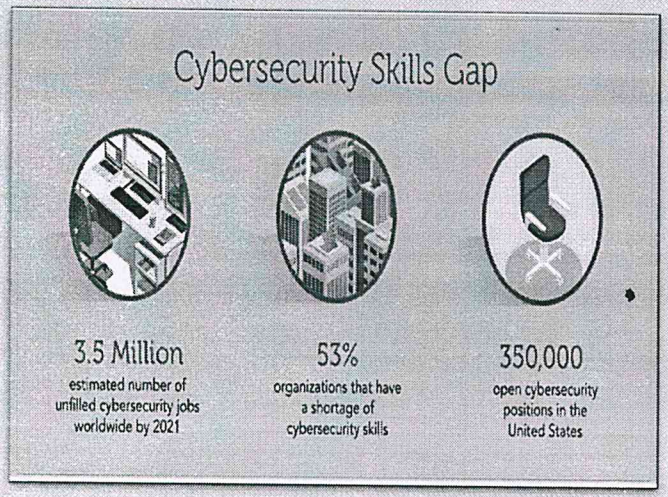
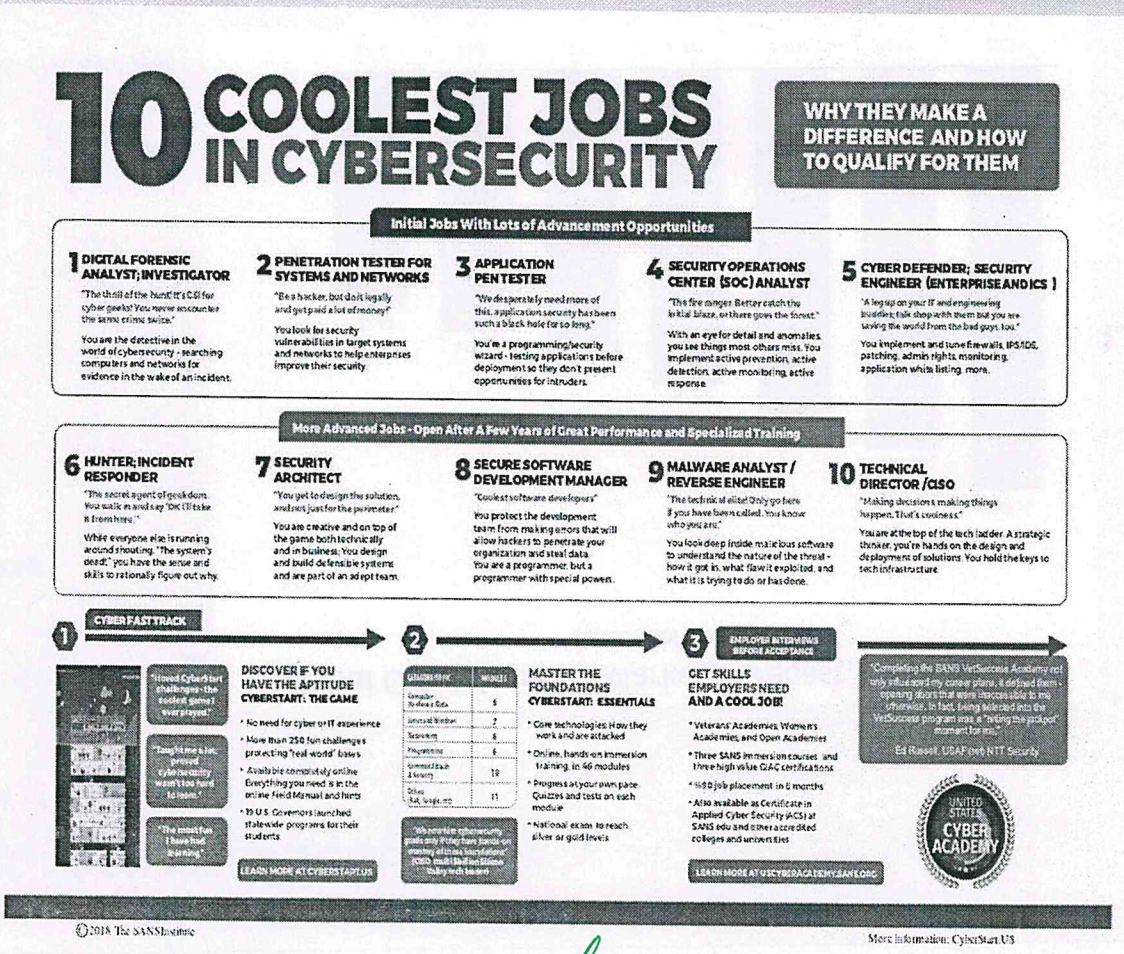
Cyber Security Skills Requirements





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K.S.R.COLLEGE OF ENGINEERING WEBINAR ON CYBER SECURITY- 14.06.2020 FEED BACK FORM

Thank you for participating in our event. We hope you had gained some knowledge about Cyber Security.

We want to hear your feedback so we can keep improving ourselves. Please fill this quick survey and let us know your thoughts.

skkn03@gmail.com (not shared) Switch account

* Required

Name

Your answer

How useful the session was? *

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How useful the session was? *

	1	2	3	4	5	
Not very	○	○	○	○	○	Very much

How satisfied were you with the event? *

	1	2	3	4	5	
Not very	○	○	○	○	○	Very much

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How satisfied were you with the session content? *

Both presented and pre-read material

	1	2	3	4	5	
Poor	○	○	○	○	○	Excellent

Any other suggestions about the event?

Your answer

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