



Kopargaon Taluka Education Society's

**K. J. Somaiya College of Arts, Commerce & Science,
Kopargaon**

Mohiniraj Nagar, Kopargaon, Tal: Kopargaon, Dist: Ahmednagar Pin-423601

Certificate Course in Cyber Security

✚ Course Code:	CC.006
✚ Organized By:	Department of BBA (CA)
✚ Date of Commencement:	01/07/2017.
✚ Duration of Course:	02 Months (Min. 30 Hrs.)
✚ Course Coordinator:	Prof. P. G. Gudaghe

K. T. E. SOCIETY'S

**K. J. Somaiya College of Arts, Commerce and Science,
Kopergaon**

Department of BBA(CA)

File No 11

Details of Certificate Course Run by Department
CONTENTS

Sr. No.	Particulars	Remarks
1.	Summary of Certificate Course	✓
2.	Permission Letter	✓
3.	Time Table and workload distribution	✓
4.	Student Attendance Record	✓
5.	Exam Details (Question Paper, Mark List)	✓
6.	Certificate Copy	✓




Principal
K. J. Somaiya College of Arts
Commerce & Science, Kopergaon

Date: 10/01/2023

Letter to IQAC for seeking permission to conduct Certificate Course

To,
The Coordinator,
IQAC,
K. J. Somaiya College,
Kopargaon.

Subject: Regarding the permission to conduct Certificate Course

Respected sir,

Please sanction the permission to conduct certificate course

Name of Activity	Certificate course in Cyber Security
Proposed Date & Time	Academic Year 2022-23 (semester V,VI)
Venue	Classroom S-71 Science Building
Name of Coordinator	Prof Gudaghe P.G

Kindly give the permission and thank you and looking for kind cooperation.


HOD
Dept. of BBA, CA
K.J. Somaiya College, Kopargaon
Yours Sincerely,

Permission Letter from IQAC for Conduct Certificate Course

From,
The IQAC Coordinator,
K. J. Somaiya College,
Kopargaon.

To,
The H.O.D.
BBA(CA) Department,
K. J. Somaiya College, Kopargaon.

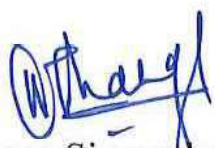
Subject: Permission for conducting Certificate Course

As per your letter dated to IQAC Grants the permission for following activity.

Name of Activity	Certificate course in Cyber Security
Proposed Date & Time	Academic Year 2022-23 (semester V,VI)
Venue	Classroom S-71 Science Building
Name of Coordinator	Prof Gudaghe P.G

You are requested to complete the documentation and submit it to IQAC after Certificate Course within five working days. Wish you all the best for Certificate Course.

Thank you


Yours Sincerely,
Coordinator
IQAC, K. J. Somaiya College
Kopargaon, Dist. A.Nagar

Date: 3/08/22

Notice

The meeting members of certificate course committee are hereby informed that, meeting about certificate course syllabus framing will be held on 15/08/2021 at 10.00 am in the BBA_CA Department.

Agenda: Syllabus framing of Certificate Course.

1. Prof. Gudaghe P. G. (Head) 
2. Prof. Gudaghe P.G. (Coordinator) 
3. Prof. Jagdhane V.H. (Member) 


IQAC Coordinator
IQAC, K. J. Somaiya College
Kopargaon, Dist. A. Nagar


Principal
K.J.Somaiya College
Kopargaon

Kopargaon Taluka Education Society's
K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON

DEPARTMENT OF BBA-CA

Syllabus: CYBER SECURITY

Block	Detail syllabus	No of Lectures
Block-1	Introduction to Cyber Security	08
	• Introduction, Computer Security, Threats, Harm, Vulnerabilities, Controls, Authentication, Access Control and Cryptography. • Web attack: Browser Attacks, Web Attacks Targeting Users, Obtaining User or Website Data, Email Attacks. • Network Vulnerabilities: Overview of vulnerability scanning, Open Port / Service Identification, Banner /Version Check, Traffic Probe, Vulnerability Probe, Vulnerability Examples, OpenVAS, Metasploit. • Networks Vulnerability Scanning (Netcat, Socat), Network Sniffers and Injection tools.	
Block-2	Network Defense tools	08
	• Firewalls and Packet Filters: Firewall Basics, Packet Filter Vs Firewall, How a Firewall Protects a Network, Packet Characteristic to Filter, Stateless Vs Stateful Firewalls, Network Address Translation (NAT) and Port Forwarding. • VPN: the basic of Virtual Private Networks. • Firewall: Introduction, Linux Firewall, Windows Firewall. • Snort: Introduction Detection System.	
Block-3	Web Application Tools	06

	• Scanning for web vulnerabilities tools: Nikto, W3af, • HTTP utilities - Curl, OpenSSL and Stunnel. • Application Inspection tools – Zed Attack Proxy, Sqlmap, DVWA, Webgoat. Password Cracking and Brute-Force Tools: John the Ripper, L0htcrack, Pwdump, HTC-Hydra.	•
Block-4	Introduction to Cyber Crime, law and Investigation	08
	• Cyber Crimes, Types of Cybercrime, Hacking, Attack vectors, Cyberspace and Criminal Behavior, Clarification of Terms, Traditional Problems Associated with Computer Crime, Introduction to Incident Response, Digital Forensics, Computer Language, Network Language, Realms of the Cyber world. • Internet crime and Act: A Brief History of the Internet, Recognizing and Defining Computer Crime, Contemporary Crimes, Computers as Targets, Contaminants and Destruction of Data, Indian IT ACT	

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**K. J. Somaiya College of Arts, Commerce and Science,
Kopergaon**

Certificate Course Fee Structure

FY/SY/TY-BA/B. COM/BBA-CA/BCS

All Students are hereby informed that the certificate course will commence from date year. Duration of course will be 25 days only.

The student who are interested for this certificate course, please contact BBA-CA/Commerce Departments. Following certificate course are available.

Sr. No.	Course Name	Per course Fee
1	Cyber Security	100/-


Head of Department
Dept. of BBA_CA
K.J. Somaiya College, Kopergaon


Principal
K. J. Somaiya College of Arts
Commerce & Science, Kopergaon

K. T. E. SOCIETY'S

**K. J. Somaiya College of Arts, Commerce and Science,
Kopergaon**

Department of BBA(CA)

Summary of Certificate Course

Sr. No.	Year	Name of Course	Coordinator	Name of the Teacher
1	2018-19	Cyber Security	Prof. Bhadane P. S.	Prof. Phatangare K. S.
2	2019-20	Cyber Security	Prof. Bhadane P. S.	Prof. Phatangare K. S.
3	2020-21	Cyber Security	Prof. Bhadane P. S.	Prof. Shinde P.B.
4	2021-22	Cyber Security	Prof. Gudaghe P. G.	Prof. Shinde R. J.
5	2022-23	Cyber Security	Prof. Gudaghe P. G.	Prof. Zagade S. R.



Principal

K. J. Somaiya College of Arts
Commerce & Science, Kopergaon

K. T. E. SOCIETY'S

**K. J. Somaiya College of Arts, Commerce and Science,
Kopergaon**

Certificate Course

Time Table

Year 2022-23

Time	MON	TUE	WED	THU	FRI	SAT
	CS	CS	CS	CS		
	ZSR	ZSR	ZSR	ZSR		
	Practical	Practical	Practical	Practical		

Prof. Zagade S. R.: -Cyber Security


HOD
Dept of BBA, CA
Head of Department
K.J. Somaiya College, Kopergaon


Principal
K. J. Somaiya College of Arts
Commerce & Science, Kopergaon

Kopargaon Taluka Education Society's
K.J.Somaiya College of Art's Commerce & Science, Kopargaon.
Department Of BBA-CA
Certificate Course In Cyber Security Year 2022-23
Student Attendance List

Student Name	Y2	2/2	3/2	4/2	5/2	6/2	7/2	8/2	9/2	10/2	11/2	12/2	13/2	14/2	15/2	16/2	17/2	18/2	19/2	20/2	21/2	22/2	23/2	24/2	25/2	26/2	27/2	28/2	
CHATURBHUI BHUSHAN KAILAS	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	
JANGAM DHIRAJ JAGANNATH	CBK	CBK	CBK	CBK	1	CBK	CBK	CBK	CBK	CBK	CBK	1	CBK	CBK	A	CBK	1	1	1	CBK	CBK	A	CBK	CBK	CBK	1	1	CBK	CBK
SURYAVANSHI PRATIK NAVNATH	CBK	CBK	CBK	CBK	1	CBK	CBK	CBK	CBK	CBK	CBK	1	CBK	CBK	A	CBK	1	1	1	CBK	CBK	A	CBK	CBK	CBK	1	1	CBK	CBK
DANGE PRASAD KASHINATH	A	CBK	CBK	CBK	1	CBK	CBK	CBK	CBK	CBK	CBK	1	CBK	CBK	A	CBK	1	1	1	CBK	CBK	A	CBK	CBK	CBK	1	1	CBK	CBK
PATHAN NOUSHAD SUBAHAN	CBK	CBK	CBK	A	1	CBK	CBK	CBK	CBK	CBK	CBK	1	CBK	CBK	A	CBK	1	1	1	CBK	CBK	A	CBK	CBK	CBK	1	1	CBK	CBK
MODHAVE ADITYA DIPAK	1	M	M	M	1	M	A	M	M	M	M	1	M	M	A	M	1	1	1	A	M	M	M	M	A	1	1	M	M
GAVHANE RAJENDRA BAPU	CBK	CBK	CBK	CBK	1	CBK	CBK	CBK	CBK	CBK	CBK	1	CBK	CBK	A	CBK	1	1	1	CBK	CBK	A	CBK	CBK	CBK	1	1	CBK	CBK
RAHANE SARVESH DNYANESHWAR	A	CBK	CBK	CBK	1	CBK	CBK	CBK	CBK	CBK	CBK	1	CBK	CBK	A	CBK	1	1	1	CBK	CBK	A	CBK	CBK	CBK	1	1	CBK	CBK
PAVSE VAIBHAV CHANDRAKANT	CBK	CBK	CBK	A	1	CBK	CBK	CBK	CBK	CBK	CBK	1	CBK	CBK	A	CBK	1	1	1	CBK	CBK	A	CBK	CBK	CBK	1	1	CBK	CBK
BORHADE KETAN GANESHRAO	CBK	CBK	CBK	CBK	1	CBK	CBK	CBK	CBK	CBK	CBK	1	CBK	CBK	A	CBK	1	1	1	CBK	CBK	A	CBK	CBK	CBK	1	1	CBK	CBK
DHMALE DNYANESHWARI SANTOSH	A	CBK	CBK	CBK	1	CBK	CBK	CBK	CBK	CBK	CBK	1	CBK	CBK	A	CBK	1	1	1	CBK	CBK	A	CBK	CBK	CBK	1	1	CBK	CBK
DHMALE DARSHANA SANJAY	CBK	CBK	CBK	A	1	CBK	CBK	CBK	CBK	CBK	CBK	1	CBK	CBK	A	CBK	1	1	1	CBK	CBK	A	CBK	CBK	CBK	1	1	CBK	CBK
JOSHI BHAGYASHRI LALURAM	1	A	1	1	1	1	A	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
BARSHILE PALLAVI VASANT	CBK	CBK	CBK	CBK	1	CBK	CBK	CBK	CBK	CBK	CBK	1	CBK	CBK	A	CBK	1	1	1	CBK	CBK	A	CBK	CBK	CBK	1	1	CBK	CBK
SUPEKAR GORAKSH RAMNATH	CBK	CBK	CBK	CBK	1	CBK	CBK	CBK	CBK	CBK	CBK	1	CBK	CBK	A	CBK	1	1	1	CBK	CBK	A	CBK	CBK	CBK	1	1	CBK	CBK
MADEKAR NAINESH BABASAHEB	A	N	N	N	1	N	N	N	N	N	N	1	N	N	A	N	1	1	1	N	N	A	N	N	N	1	1	N	N

Teacher Sign

K. T. E. SOCIETY'S

**K. J. Somaiya College of Arts, Commerce and Science,
Kopergaon**

Department of BBA(Computer Application)

Certificate Course Name:- Cyber Security

Date

Time:-

Instructions :- All Question are compulsory.

All Questions will get full Marks

	Marks
1 Explain cyber security concepts.	4 M
2 Explain fraud Techniques.	4 M
3 Define viruses & its types.	4 M
4 Write a note on root kits & spyware.	4 M
5 Explain Intrusion detection system	4 M
6 Viva (compulsory)	10 M

Madkar Nainesh Babasaheb

2022-23

Cyber crime and Security.

1] Introduction to cyber crime =

- The in india is growing rapidly. It has given rise to new opportunities in every field such as entertainment, business, education or sports.
- There are two sides to a coin, Internet also has its disadvantages like cyber crime illegal activity committed on the internet.

Definition =

Crime committed using a computer & the internet to steal data or information.

- Illegal imports
- malicious programs.

History =

- The spam first email took place in 1978 when it was sent over ARPANET.
- ARPANET :- Advanced Research projects Agency Network.
- Like spam the first virus was installed on a apple computer in 1982.
- A 16-yr. old student was arrested in UK in 1994 for doing these crime.

Categories of cyber crime =

- The computer as a target
- The computer as a weapon.

Types of cyber crime =

- ① Hacking
- ② Identity theft
- ③ Malicious * software
- ④ Computer vandalism
- ⑤ Software piracy - piracy:

Hacking =

Hacking in simple terms means a illegal instruction into a computer system or network.

In many organization they have to check their internet security protection. if not the hacking criminal uses a variety of software to enter a person's computer & person may not be aware that his computer is being accessed from a remote location.

Identity Theft =

This has become a major problem with people using the internet for cash transaction & banking services.

- In this cyber crime, a criminal accesses data about a person's

Credit cards, Social Security, debit card & other sensitive information to siphon money or do & buy thing online in the victim & even spoil in the victim's credit history.

Case studies =

1) Creating fake

Fake profiles use is common in students. many cases have been reported fake profiles in cyber cell.

2) password hacking =

Students are taking cyber crime just for an fun or crying out small acts such as password hacking to revenge on their teachers, friends in schools or also morphing pictures & posting them on social net working sites to defame others.

3) phishing =

phishing is the act of attempting to acquire infoⁿ such as username, password & credit card details.

4) ~~Re~~ Recent news where government is taking action against websites spreading hatred :-

Terrorist organisations like Al-Qaeda, ISIS and Boko Haram have been making use of the social media creating hatred & divide.

VIRUS DISSIMINATION =

malicious software that attached itself to other software (virus, worms, Trojan Horse web-jacking) email-bombing etc) -

This type of softwares, employed for you do gain access to a system for you do take delicate information or even data or even triggering the destruction of software program contained in the machine.

Computer Vandalism =

- Damaging or destroying data rather than stealing or misusing.
- Transmitting virus.

Cyber-terrorism =

use of internet based attack in terrorist activities against or causing harm.

Kopargaoon Taluka Education Society's
K.J. Somaiya College of Arts, Commerce & Science, Kopargaoon



(Affiliated to University of Pune)
An ISO 9001-2008 Certified Institute
Re-accredited by NAAC with "A" Grade



CERTIFICATE

This is to certify that Mr./Miss. of
has successfully completed the Certificate course in
conducted by the Department of with Grade
during the academic year

Date : / /201



Course Co-ordinator

Head of Department

Principal

Kopargaon Taluka Education Society's
K.J.Somaiya College of Art's Commerce & Science, Kopargaon.
Department Of BBA-CA
Certificate Course Year 2022-23
Student Mark List

Sr.No.	Student Name	Marks
		Cyber Security
1	CHATURBHUI BHUSHAN KAILAS	24
2	JANGAM DHIRAJ JAGANNATH	22
3	SURYAVANSHI PRATIK NAVNATH	25
4	DANGE PRASAD KASHINATH	23
5	PATHAN NOUSHAD SUBAHAN	22
6	MODHAVE ADITYA DIPAK	23
7	GAVHANE RAJENDRA BAPU	25
8	RAHANE SARVESH DNYANESHWAR	24
9	PAVSE VAIBHAV CHANDRAKANT	23
10	BORHADE KETAN GANESHRAO	23
11	DHAMAILE DNYANESHWARI SANTOSH	24
12	DHAMAILE DARSHANA SANJAY	26
13	JOSHI BHAGYASHRI LALURAM	25
14	BARSHILE PALLAVI VASANT	22
15	SUPEKAR GORAKSH RAMNATH	22
16	MADEKAR NAINESH BABASAHEB	23


Teacher Sign

Kopargaon Taluka Education Society's

K.J.Somaiya College of Art's Commerce & Science, Kopargaon.

Department Of BBA-CA

Certificate course in

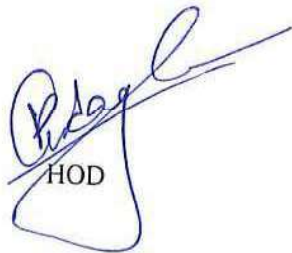
Cyber Security

(Estd-UG-2009)

Action Taken Report

The department of BBA-CA was Conducted Certificate Course entitles "Cyber Security" in the academic year 2022-23. The course was conducted during "1st February 2023 to 2nd march 2023" for TY BBA_CA Students. Total 16 students were enrolled the above course .The syllabus was completed as per time table with in time. After completion of course 30 marks was conducted & certificate were given to all students.

Coordinator



HOD

IQAC Coordinator



Principal
K. J. Somaiya College of Arts
Commerce & Science, Kopargaon

Date: 7/01/2022

Letter to IQAC for seeking permission to conduct Certificate Course

To,
The Coordinator,
IQAC,
K. J. Somaiya College,
Kopargaon.

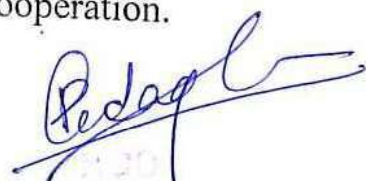
Subject: Regarding the permission to conduct Certificate Course

Respected sir,

Please sanction the permission to conduct certificate course

Name of Activity	Certificate course in Cyber Security
Proposed Date & Time	Academic Year 2021-22 (semester V,VI)
Venue	Classroom S-71 Science Building
Name of Coordinator	Prof Gudaghe P.G

Kindly give the permission and thank you and looking for kind cooperation.


Dept. of BBA
K.J. Somaiya College, Kopargaon.
Yours Sincerely,

Permission Letter from IQAC for Conduct Certificate Course

From,

The IQAC Coordinator,
K. J. Somaiya College,
Kopargaon.

To,

The H.O.D.

BBA(CA) Department,

K. J. Somaiya College, Kopargaon.

Subject: Permission for conducting Certificate Course

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Thank you


Yours Sincerely,
Coordinator
IQAC, K. J. Somaiya College
Kopargaon, Dist. A.Nagar

K. T. E. SOCIETY'S

**K. J. Somaiya College of Arts, Commerce and Science,
Kopergaon**

Certificate Course

Time Table

Year 2021-22

Time	MON	TUE	WED	THU	FRI	SAT
1 to 2	CS	CS	CS	CS		
2 to 3	SRJ	SRJ	SRJ	SRJ		
3 to 4	Practical	Practical	Practical	Practical		

Prof. Shinde R. J.:-Cyber Security


HOD
Dept. of BBA_CA
Head of Department
K.J. Somaiya College, Kopergaon


Principal
K. J. Somaiya College of Arts
Commerce & Science, Kopergaon

Kopargaon Taluka Education Society's
K.J.Somaiya College of Art's Commerce & Science, Kopargaon.
Department Of BBA-CA
Certificate Course In Cyber Security Year 2021-22
Student Attendance List

Student Name	1/2	2/2	3/2	4/2	5/2	6/2	7/2	8/2	9/2	10/2	11/2	12/2	13/2	14/2	15/2	16/2	17/2	18/2	19/2	20/2	21/2	22/2	23/2	24/2	25/2	26/2	27/2	28/2
BANKAR PAYAL KISHOR	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
DONGARE HARSHAL SHARAD	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
BHAVAR GAYATRI SANJAY	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
DHAKANE ANITA BHAUSAHEB	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
PUNDE ARTI SHANKAR	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
SOLKE POOJA VIJAY	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
RAKTATE BHAGYASHRI KAILAS	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
GIDDE SARTHAK ANIL	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
HABIB HIMANSHU ARJUN	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
BAKALE HARSH SANTOSH	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
KHERUD NAGRAJ YASHWANT	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
BORHADE AYUSH SUNIL	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
DALKARI SIDDHANT KRUSHNA	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
SHAIKH FAIJAN EJAJ	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
CHAVANKE SIDDHARTH ARUN	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
REVGADE AKSHADA INDRABHAN	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
ABHALE GANESH DATTATRAY	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign


Teacher Sign

Antivirus Update and Patches

What is an antivirus definition update?

Most anti-viruses software vendors including Symantec, Microsoft and McAfee roll out definition updates quite frequently. It therefore becomes essential for network administration like you to keep a constant watch of these updates so as to seal the network desktops. However, with definition updates coming out every other day, most of the time it becomes tedious to accommodate the tracking & update process in your daily routine.

In case each of your network PCs is configured to directly communicate with the download server of the anti-virus vendor, it should definitely equate to huge bandwidth consumption.

Why should you have an antivirus definition update mechanism.

Antivirus software have becomes an integral part of network security. People who write malicious code are well aware of the operating system lapses of your network.

Installing an antivirus software on your network on your network desktops. However network security management does not end with just the installation of an antivirus software. It also needs regular tracking and updating of the latest virus definitions, such as to rule out an upcoming vulnerable moment.

How to perform antivirus definition update using patch manager plus

- For those of you running antivirus software on your network computers, here is a bit of relief on definition updates.
- This patch management software's options help you simplify mechanism the process by automating the definition update mechanism.
- Using the automated patch deployment (APD) option you can stay informed about the latest antivirus definition updates through the antivirus database sync that happens once every hour. After the sync, the updates are automatically installed in the endpoint.
- For even more clarity on handling antivirus definition update.

Two keys benefits of employing patch manager plus

Automation of the definition update process saves administrator time to be utilized for some other attention seeking task.

Efficiently deploys antivirus definition updates in a controlled manner along with optimized bandwidth consumption.

To keep it simple, patch manager plus takes you one step closer towards securing your network computers from malware and spywares.

Supported applications :

- Windows defender
- McAfee virusscan enterprise
- Microsoft security essential

What is the difference between a patch and an upgrade

- When a new version of software is released, users of that software are entitled to a free patch or an upgrade at a discounted price depending on the current license.
- A patch is affected to users who currently own a license for a version of the software that has the same major revision number as the new release. For example, if a user owns version 1 of the software & version 1.1 is released.
- Upgrade pricing is affected to users who own a license that has a major revision number different from that new release.

K. T. E. SOCIETY'S

**K. J. Somaiya College of Arts, Commerce and Science,
Kopergaon**

Department of BBA(Computer Application)

Certificate Course Name:- Cyber Security

Date

Time:-

Instructions :- All Question are compulsory.

All Questions will get full Marks

	Marks
1 Explain cyber security concepts.	4 M
2 Explain fraud Techniques.	4 M
3 Define viruses & its types.	4 M
4 Write a note on root kits & spyware.	4 M
5 Explain Intrusion detection system	4 M
6 Viva (compulsory)	10 M

Kopargaoon Taluka Education Society's
K.J. Somaiya College of Arts, Commerce & Science, Kopargaoon



(Affiliated to University of Pune)
An ISO 9001-2008 Certified Institute
Re-accredited by NAAC with "A" Grade



CERTIFICATE

This is to certify that Mr./Miss. of
has successfully completed the Certificate course in
conducted by the Department of with Grade
during the academic year

Date : / /201



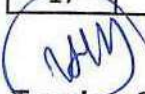
Course Co-ordinator

Head of Department

Principal

Kopargaon Taluka Education Society's
K.J.Somaiya College of Art's Commerce & Science, Kopargaon.
Department Of BBA-CA
Certificate Course Year 2021-22
Student Mark List

Sr.No.	Student Name	Marks
		Cyber Security
1	BANKAR PAYAL KISHOR	24
2	DONGARE HARSHAL SHARAD	23
3	BHAVAR GAYATRI SANJAY	22
4	DHAKANE ANITA BHAUSAHEB	23
5	PUNDE ARTI SHANKAR	23
6	SOLKE POOJA VIJAY	24
7	RAKTATE BHAGYASHRI KAILAS	23
8	GIDDE SARTHAK ANIL	22
9	HABIB HIMANSHU ARJUN	23
10	BAKALE HARSH SANTOSH	24
11	KHERUD NAGRAJ YASHWANT	25
12	BORHADE AYUSH SUNIL	28
13	DALKARI SIDDHANT KRUSHNA	22
14	SHAIKH FAIJAN EJAJ	24
15	CHAVANKE SIDDHARTH ARUN	24
16	REVGADE AKSHADA INDRABHAN	23
17	ABHALE GANESH DATTATRAY	28


Teacher Sign

K.J.Somaiya College of Art's Commerce & Science, Kopargaon.

Department Of BBA-CA

Certificate course in

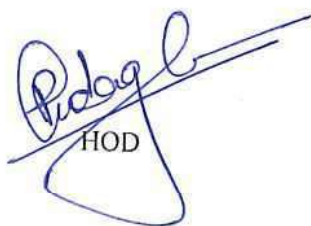
Cyber Security

(Estd-UG-2009)

Action Taken Report

The department of BBA-CA was Conducted Certificate Course entitles "Cyber Security" in the academic year 2021-22. The course was conducted during "1st February 2022 to 2nd march 2022" for TY BBA_CA Students. Total 16 students were enrolled the above course .The syllabus was completed as per time table with in time. After completion of course 30 marks was conducted & certificate were given to all students.

Coordinator


HOD

IQAC Coordinator


Principal
K. J. Somaiya College of Arts
Commerce & Science, Kopargaon

Date: 9/08/2021

Letter to IQAC for seeking permission to conduct Certificate Course

To,
The Coordinator,
IQAC,
K. J. Somaiya College,
Kopargaon.

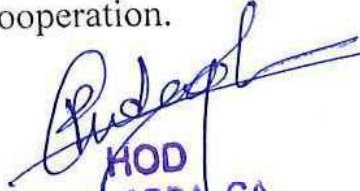
Subject: Regarding the permission to conduct Certificate Course

Respected sir,

Please sanction the permission to conduct certificate course

Name of Activity	Certificate course in Cyber Security
Proposed Date & Time	Academic Year 2020-21 (semester V, VI)
Venue	Classroom S-71 Science Building
Name of Coordinator	Prof Gudaghe P.G

Kindly give the permission and thank you and looking for kind cooperation.


HOD
Dept. of BBA, CA
K.J. Somaiya College, Kopargaon
Yours Sincerely,

Permission Letter from IQAC for Conduct Certificate Course

From,
The IQAC Coordinator,
K. J. Somaiya College,
Kopargaon.

To,
The H.O.D.
BBA(CA) Department,
K. J. Somaiya College, Kopargaon.

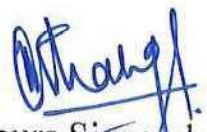
Subject: Permission for conducting Certificate Course

As per your letter dated to IQAC Grants the permission for following activity.

Name of Activity	Certificate course in Cyber Security
Proposed Date & Time	Academic Year 2020-21 (semester V,VI)
Venue	Classroom S-71 Science Building
Name of Coordinator	Prof Gudaghe P.G

You are requested to complete the documentation and submit it to IQAC after Certificate Course within five working days. Wish you all the best for Certificate Course.

Thank you


Yours Sincerely,
Coordinator
IQAC, K. J. Somaiya College
Kopargaon, Dist. A.Nagar



Kopargaoon Taluka Education Society's

K.J. Somaiya College of Arts, Commerce & Science

Mohanirajnagar, Kopargaoon - 423601, Dist. Ahmednagar (MH.)

Affiliated to Savitribai Phule Pune University, Pune ID No. PU/AN/ASC/07(1964)

☎ : 9146142000, 9146152000 Email ID : kjscollege@rediffmail.com, Website : kjscollege.com

NAAC ACCREDITED 'A' GRADE

AN ISO 9001-2015 CERTIFIED INSTITUTE

SAVITRIBAI PHULE PUNE UNIVERSITY "BEST COLLEGE AWARD"

Principal : Dr. B. S. Yadav (M.Sc., Ph.D.)

Founder President : Late K. B. Rohamare (Ex. M.L.A.)

Ref. No. :

Date : 08/08/2021

To,
The Head,
Department of BBA-CA,
K.J.S. College of Arts, Commerce and Science,
Kopargaoon.

Sub: Certificate Course Syllabus Framing

Respected Sir

As per above cited subject, it is hereby informed that the syllabus of the certificate course entitled "CYBER SECURITY" has to be framed by the following committee:

1. Prof. Bhadane P.S. (Head)
2. Prof. Rohmare R.B. (Coordinator)
3. Prof. Gudaghe P.G. (Member)


IQAC Coordinator
IQAC, K. J. Somaiya College
Kopargaoon, Dist. A.Nagar

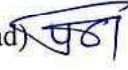
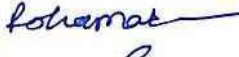

Principal
K.J.Somaiya College
Kopargaoon

Date: 09/08/21

Notice

The meeting members of certificate course committee are hereby informed that, meeting about certificate course syllabus framing will be held on 14/08/2021 at 10.00 am in the BBA_CA Department.

Agenda: Syllabus framing of Certificate Course.

1. Prof. Bhadane P.S. (Head) 
2. Prof. Rohmare R.B. (Coordinator) 
3. Prof. Gudaghe P.G. (Member) 


IQAC Coordinator
Coordinator
IQAC, K. J. Somaiya College
Kopargaon, Dist. A.Nagar


Principal
K.J. Somaiya College
Kopargaon

Kopargaoon Taluka Education Society's
K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON

DEPARTMENT OF BBA-CA

Syllabus: CYBEER SECURITY

Block	Detail syllabus	No of Lectures
Block-1	Introduction to Cyber Security	10
	• Introduction, Computer Security, Threats, Harm, Vulnerabilities, Controls, Authentication, Access Control and Cryptography. • Web attack: Browser Attacks, Web Attacks Targeting Users, Obtaining User or Website Data, Email Attacks. • Network Vulnerabilities: Overview of vulnerability scanning, Open Port / Service Identification, Banner /Version Check, Traffic Probe, Vulnerability Probe, Vulnerability Examples, OpenVAS, Metasploit. • Networks Vulnerability Scanning (Netcat, Socat), Network Sniffers and Injection tools.	
Block-2	Network Defense tools	10
	• Firewalls and Packet Filters: Firewall Basics, Packet Filter Vs Firewall, How a Firewall Protects a Network, Packet Characteristic to Filter, Stateless Vs Stateful Firewalls, Network Address Translation (NAT) and Port Forwarding. • VPN: the basic of Virtual Private Networks. • Firewall: Introduction, Linux Firewall, Windows Firewall. • Snort: Introduction Detection System.	
Block-3	Web Application Tools	10

	• Scanning for web vulnerabilities tools: Nikto, W3af, • HTTP utilities - Curl, OpenSSL and Stunnel. • Application Inspection tools – Zed Attack Proxy, Sqlmap, DVWA, Webgoat. Password Cracking and Brute-Force Tools: John the Ripper, L0htcrack, Pwdump, HTC-Hydra.	•
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Kopargaon Taluka Education Society's
K.J.Somaiya College of Art's Commerce & Science, Kopargaon.
Department Of BBA-CA
Certificate Course In Cyber Security Year 2020-21
Student Attendance List

Student Name	1/2	2/2	3/2	4/2	5/2	6/2	7/2	8/2	9/2	10/2	11/2	12/2	13/2	14/2	15/2	16/2	17/2	18/2	19/2	20/2	21/2	22/2	23/2	24/2	25/2	26/2	27/2	28/2
PATEL SAHIL NANHU	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
PATHAN ARBAZ AKRAM	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
GORE RUSHIKESH NANASAHEB	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
GHUMARE KALYANI SITARAM	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
SONAWANE MANISHA BABASAHEB	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
DAREKAR VAIBHAV SHANTARAM	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
MALI NIVRUTTI RAJENDRA	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
GAWALI HARSHADA HANUMAN	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
NARWADE CHAITANYA ANKUSH	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
BHOSALE VAIBHAV VIJAY	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
MEHETRE ASHMIT VISHWAS	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
SHINGADE PRADNYA SHIVAJI	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
JADHAV ABHIJIT NANDKUMAR	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
TRIBHUWAN SANDESH DILIP	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
HON ASHUTOSH BHANUDAS	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
KAKAD SAINATH GORAKSHNATH	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
PAWAR SURAJ SANJAY	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign


Teacher Sign

K. T. E. SOCIETY'S

**K. J. Somaiya College of Arts, Commerce and Science,
Kopergaon**

Certificate Course

Time Table

Year 2020-21

Time	MON	TUE	WED	THU	FRI	SAT
	CS	CS	CS	CS		
	SPB	SPB	SPB	SPB		
	Practical	Practical	Practical	Practical		

Prof. Shinde P.B.:Cyber Security


HOD
Dept of BBA/CA
Head of Department
K.J. Somaiya College, Kopergaon


Principal
K. J. Somaiya College of Arts
Commerce & Science, Kopergaon

pawae suway sanjay.
Cyber security 20-21

Date: / /

Page No.:

What is Cyber law?

Cyber law, also known as Internet Law or Cyber Law, is the part of the overall legal system that is related to legal informatics and supervises the digital circulation of information, e-commerce, software & information security. It is associated with legal informatics & systems, computers, software & hardware.

It covers many areas, such as access to and usage of the Internet, encompassing various subtopics as well as Freedom of expression and online privacy.

Cyber law help to reduce or prevent people from cybercriminal activities on a large scale with the help of protecting information access from unauthorized people, Freedom of speech, related to the use of the Internet, Privacy, communications, email, websites, intellectual property, hardware & software. such as data storage devices.

As Internet traffic is increasing rapidly day by day, that has lead to a higher percentage of legal issue worldwide.

because cyber laws are different, restitution range from Fines to imprisonment & enforcement is challenging.

Cyber law offers legal protection for people who are using the Internet as well as running an online business.

It is most important for Internet users to know of their country by which they could know what activities are legal or not on the network. Also, they can prevent ourselves from unauthorized activity.

The Computer Fraud & Abuse Act was the first cyber law, called CFAA, that was enacted in 1986.

This law was helpful in preventing unauthorized access to computers.

And it also provided a description of the stages of punishment for breaking that law or performing any illegal activity.

Types of Cybercrime :-

DDos and botnet :-

This is one of the top arenas covered by cyber law, in general. Large websites are usually a target for hackers to steal data or extort money from site owners. Hackers do so by generating traffic beyond the site's capacity, which, eventually, crashes the site.

When the site is not functioning, the hackers steal the data or contact the site owner and demand money to restore the site.

This type of attack is known as a DDos attack. It is done via the botnet system.

Identify theft :-

Identify theft, as per cyber law, is the stealing of someone's identify & passing it off as your own in an online forum.

This is a serious concern in cyber law because hackers steal your private & confidential information & use the same for malicious gains.

Cyberstalking :-

~~user~~ Cyberstalking, as per cyber law, is the usage of an entity's social media or online information to threaten, stalk or extort money from them. The data collected by the attacker is, generally, sensitive & can cause issues such as security

breaches, defamation, and more.

Social engineering :-

The concept of social engineering in cyber law is stealing via gaining confidence.

Through social engineering, criminals usually target people who have considerably less knowledge and understanding of the functioning of banks, social media, & digital operations in general.

By posing as a trustworthy person or customer care representative, criminals gain access to people's banks or social media & proceed to steal the data gained through the same. Sometimes the accounts can be hacked for extortion as well.

PUPS :-

It is a popular advice by cyber law expert to avoid installing unknown software for the simple reason that malware can be installed into your computer & files can be stolen.

Furthermore, spyware can be installed on your computer for malicious purposes as well.

The mode of gaining access or stealing data via adware, spyware etc.

is known as potentially unwanted programs. (PUPS).

Objectives of Cyber Law :-

Lawmakers have executed cyber law legal protections with the following objective. The following features of cyber law are making the internet a much safer place to explore.

- 1) To be a safety net against online data predators
- 2) To ensure justice for cybercrime victims
- 3) To prevent debit card or credit card fraud. Many people have switched to digital paying method. Cyber law tries to make sure that victims do not have to go through the additional agony of long procedures.
- 4) To block transactions when there is any unusual activity such as the input of an incorrect password
- 5) To ensure the safety of protected data. By knowing what cyber law is one can easily adopt preventative measures.
- 6) To ensure national security.

Advantages of cyber law:-

- 1) Better protection of e-commerce sites ensures better revenue for the companies, this, in turn, ensures a better economy for the country.
- 2) Grievances for online transactions will be heard by the court as a part of the remedial measures of cyber law.
- 3) Recognition of e-document and grievances on the same will be heard by the court.
- 4) Fixing security issue by the companies lead to better data protection standard.
- 5) Ensuring proper usage of data by the companies.

The above-mentioned are a few of the popular aspect of cyber law in India.
This is not legal advice.

If you require cyber law remedies, contact a lawyer immediately.

- 6) cyber law are protecting personal information.
- 7) They are combatting cybercrime.
- 8) It is the promoting fair competition.
- 9) they are facilitating e-commerce.
- 10) cyber law are the intellectual property.

Disadvantages of Cyber law:-

- 1) They are Complexity and Confusion.
- 2) They are Limited Jurisdiction.
- 3) It is Encroachment on civil liberties.
- 4) They are slowing down innovation.
- 5) It is Lack of universal standards.

① complexity & confusion -

cyber law can be difficult to understand & apply, leading to confusion for individuals & businesses trying to comply with it.

② Limited Jurisdiction:-

cyber law can only be enforced within the borders of a particular country, making it challenging to address cross-border cyber issues.

③ slowing down innovation -

cyber law may impose burdensome regulations on new technologies & innovations, stifling their development & adoption.

④ Lack of universal standards:-

there is currently a lack of universally agreed upon cyber laws, leading to discrepancies & conflicts between different countries' legal systems.

Application of cyber law:-

- 1) protection of E-business prevalent online.
- 2) Filing of various application at one's door step.
- 3) provide security against Frauds.
- 4) safety of software & hardware product.
- 5) privacy protection.
- 6) Restriction on sell of illegal article on the internet.
- 7) protecting personal information.
- 8) regulate digital signature.
- 9) online safe transaction & protect against cyber bullying.
- 10) identity theft.
- 11) hacking
- 12) trolling etc. crimes.
- 13) It digital transactions
- 14) Activities on Internet.

K. T. E. SOCIETY'S

**K. J. Somaiya College of Arts, Commerce and Science,
Kopergaon**

Department of BBA(Computer Application)

Certificate Course Name:- Cyber Security

Date _____

Time:- _____

Instructions :- All Question are compulsory.

All Questions will get full Marks

	Marks
1 Explain cyber security concepts.	4 M
2 Explain fraud Techniques.	4 M
3 Define viruses & its types.	4 M
4 Write a note on root kits & spyware.	4 M
5 Explain Intrusion detection system	4 M
6 Viva (compulsory)	10 M

Kopargaon Taluka Education Society's
K.J.Somaiya College of Art's Commerce & Science, Kopargaon.
Department Of BBA-CA
Certificate Course Year 2020-21
Student Mark List

Sr.No.	Student Name	Marks
		Cyber Security
1	PATEL SAHIL NANHU	24
2	PATHAN ARBAZ AKRAM	23
3	GORE RUSHIKESH NANASAHEB	23
4	GHUMARE KALYANI SITARAM	24
5	SONAWANE MANISHA BABASAHEB	22
6	DAREKAR VAIBHAV SHANTARAM	23
7	MALI NIVRUTTI RAJENDRA	25
8	GAWALI HARSHADA HANUMAN	25
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11	MEHETRE ASHMIT VISHWAS	25
12	SHINGADE PRADNYA SHIVAJI	23
13	JADHAV ABHIJIT NANDKUMAR	24
14	TRIBHUWAN SANDESH DILIP	23
15	HON ASHUTOSH BHANUDAS	22
16	KAKAD SAINATH GORAKSHNATH	24
17	PAWAR SURAJ SANJAY	25


Teacher Sign

Kopargaon Taluka Education Society's

K.J.Somaiya College of Art's Commerce & Science, Kopargaon.

Department Of BBA-CA

Certificate course in

Cyber Security

(Estd-UG-2009)

Action Taken Report

The department of BBA-CA was Conducted Certificate Course entitles "Cyber Security" in the academic year 2020-21. The course was conducted during "1st February 2021 to 2nd march 2021" for TY BBA_CA Students. Total 16 students were enrolled the above course .The syllabus was completed as per time table with in time. After completion of course 30 marks was conducted & certificate were given to all students.


Coordinator


HOD

IQAC Coordinator


Principal
K. J. Somaiya College of Arts
Commerce & Science, Kopargaon

Date: 18/01/2020

Letter to IQAC for seeking permission to conduct Certificate Course

To,
The Coordinator,
IQAC,
K. J. Somaiya College,
Kopargaon.

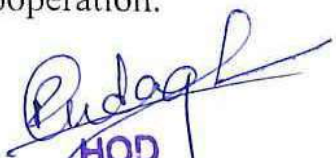
Subject: Regarding the permission to conduct Certificate Course

Respected sir,

Please sanction the permission to conduct certificate course

Name of Activity	Certificate course in Cyber Security
Proposed Date & Time	Academic Year 2019-20 (semester V, VI)
Venue	Classroom S-71 Science Building
Name of Coordinator	Prof Gudaghe P.G

Kindly give the permission and thank you and looking for kind cooperation.


HOD
Dept. of BBA_CA
K.J. Somaiya College, Kopargaon
Yours Sincerely,

Permission Letter from IQAC for Conduct Certificate Course

From,

The IQAC Coordinator,
K. J. Somaiya College,
Kopargaon.

To,

The H.O.D.

BBA(CA) Department,

K. J. Somaiya College, Kopargaon.

Subject: Permission for conducting Certificate Course

As per your letter dated to IQAC Grants the permission for following activity.

Name of Activity	Certificate course in Cyber Security
Proposed Date & Time	Academic Year 2019-20 (semester V, VI)
Venue	Classroom S-71 Science Building
Name of Coordinator	Prof Gudaghe P.G

You are requested to complete the documentation and submit it to IQAC after Certificate Course within five working days. Wish you all the best for Certificate Course.

Thank you



Yours Sincerely,

— Coordinator
IQAC, K. J. Somaiya College
Kopargaon, Dist. A.Nagar

Kopargaon Taluka Education Society's
K.J.Somaiya College of Art's Commerce & Science, Kopargaon.
Department Of BBA-CA
Certificate Course In Cyber Security Year 2019-20
Student Attendance List

Student Name	1/2	2/2	3/2	4/2	5/2	6/2	7/2	8/2	9/2	10/2	11/2	12/2	13/2	14/2	15/2	16/2	17/2	18/2	19/2	20/2	21/2	22/2	23/2	24/2	25/2	26/2	27/2	28/2
MEMANE AJINKYA SHIVNATH	A																											
NAJAN SHRADDHA RAJENDRA																												
RAJURKAR DHANSHREE MAHESH																												
KHANDIZOD NIKHIL KANIFNATH																												
THORAT RUSHIKESH DASHRATH																												
BHAGAT TEJAS MADHAV																												
THAKUR NALINI BALASAHEB																												
PARJANE SWATI RAJENDRA																												
GAME SHRADDHA MACHHINDRA																												
AUTADE KSHITIJA HARIBHAU																												
UGALE SAKSHI MANIKRAO																												
KHALKAR SHRADDHA SANJAY																												
VIGHE MAYURI DILIP																												
HALWAI ADITYA SURESH																												
GAIKAWAD KAJAL DNYANESHWAR																												
MAHALE PRIYANKA ASHOK																												


Teacher Sign

K. T. E. SOCIETY'S

**K. J. Somaiya College of Arts, Commerce and Science,
Kopergaon**

Certificate Course

Time Table

Year 2019-20

Time	MON	TUE	WED	THU	FRI	SAT
	CS	CS	CS	CS		
	PKS	PKS	PKS	PKS		
	Practical	Practical	Practical	Practical		

Prof. Phatangare K. S. :-Cyber Security


HOD
Dept. of BBA_CA
K. J. Somaiya College, Kopergaon
Head of Department


Principal
K. J. Somaiya College of Arts
Commerce & Science Kopergaon

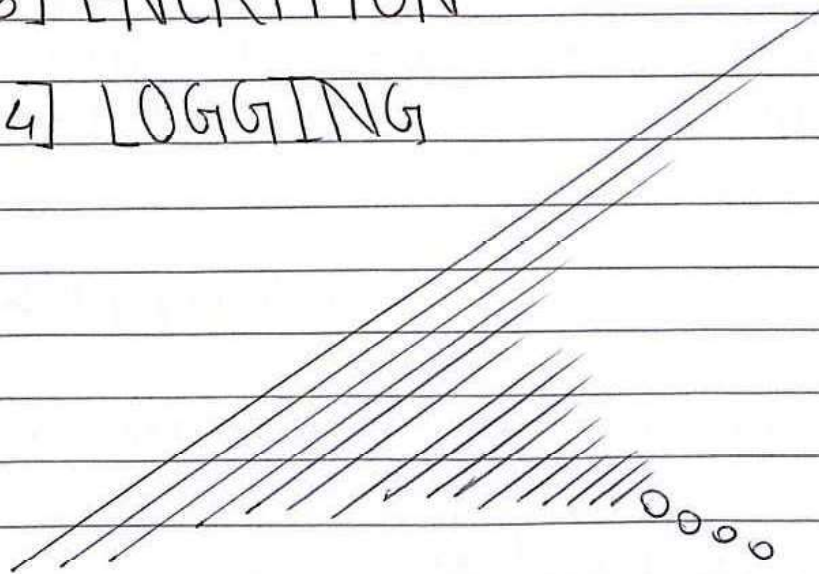
TYPES OF APPLICATION SECURITY

1] AUTHENTICATION

2] AUTHORIZATION

3] ENCRYPTION

4] LOGGING



3] AUTHORIZATION.

A user may be authorized to access and use the application after being authenticated. By comparing the user's identification to a list of authorized user, the system may verify that the user has permission to access the application.

In order for the application to match only validated users credentials to the approved users list, authentication must take place before authorization.

4] LOGGING

If a security breach occurs in an application, logging can assist in determining who gained access to the data & how they did so.

Application log files keep track of which parts of the application have been accessed & by whom.

APPLICATION.

① static Application security testing.

② Dynamic Application security testing.

③ Interactive Application security testing.

④ Run-time application security protection

⑤ Design Review

⑥ Black-box security Audit.

⑦ Automated Tooling

K. T. E. SOCIETY'S

**K. J. Somaiya College of Arts, Commerce and Science,
Kopergaon**

Department of BBA(Computer Application)

Certificate Course Name:- Cyber Security

Date

Time:-

Instructions :- All Question are compulsory.

All Questions will get full Marks

	Marks
1 Explain cyber security concepts.	4 M
2 Explain fraud Techniques.	4 M
3 Define viruses & its types.	4 M
4 Write a note on root kits & spyware.	4 M
5 Explain Intrusion detection system	4 M
6 Viva (compulsory)	10 M

Kopargaoon Taluka Education Society's
K.J.Somaiya College of Art's Commerce & Science, Kopargaoon.
Department Of BBA-CA
Certificate Course Year 2019-20
Student Mark List

Sr.No.	Student Name	Marks
		Cyber Security
1	MEMANE AJINKYA SHIVNATH	24
2	NAJAN SHRADDHA RAJENDRA	23
3	RAJURKAR DHANSHREE MAHESH	24
4	KHANDIZOD NIKHIL KANIFNATH	25
5	THORAT RUSHIKESH DASHRATH	22
6	BHAGAT TEJAS MADHAV	23
7	THAKUR NALINI BALASAHEB	24
8	PARJANE SWATI RAJENDRA	23
9	GAME SHRADDHA MACHHINDRA	22
10	AUTADE KSHITIJA HARIBHAU	26
11	UGALE SAKSHI MANIKRAO	23
12	KHALKAR SHRADDHA SANJAY	22
13	VIGHE MAYURI DILIP	22
14	HALWAI ADITYA SURESH	23
15	GAIKAWAD KAJAL DNYANESHWAR	24
16	MAHALE PRIYANKA ASHOK	23


Teacher Sign

Kopargaon Taluka Education Society's

K.J.Somaiya College of Art's Commerce & Science, Kopargaon.

Department Of BBA-CA

Certificate course in

Cyber Security

(Estd-UG-2009)

Action Taken Report

The department of BBA-CA was Conducted Certificate Course entitles "Cyber Security" in the academic year 2019-20. The course was conducted during "1st February 2020 to 2nd march 2020" for TY BBA_CA Students. Total 16 students were enrolled the above course .The syllabus was completed as per time table with in time. After completion of course 30 marks was conducted & certificate were given to all students.


Coordinator


HOD

IQAC Coordinator


Principal
K. J. Somaiya College of Arts
Commerce & Science, Kopargaon

Date: 10/12/19

Letter to IQAC for seeking permission to conduct Certificate Course

To,
The Coordinator,
IQAC,
K. J. Somaiya College,
Kopergaon.

Subject: Regarding the permission to conduct Certificate Course

Respected sir,

Please sanction the permission to conduct certificate course

Name of Activity	Certificate course in Cyber Security
Proposed Date & Time	Academic Year 2018-19 (semester V,VI)
Venue	Classroom S-71 Science Building
Name of Coordinator	Prof Gudaghe P.G

Kindly give the permission and thank you and looking for kind cooperation.


HOD
Dept. of BBA_CA
K.J. Somaiya College, Kopergaon
Yours Sincerely,

Permission Letter from IQAC for Conduct Certificate Course

From,
The IQAC Coordinator,
K. J. Somaiya College,
Kopargaon.

To,
The H.O.D.
BBA(CA) Department,
K. J. Somaiya College, Kopargaon.

Subject: Permission for conducting Certificate Course

As per your letter dated to IQAC Grants the permission for following activity.

Name of Activity	Certificate course in Cyber Security
Proposed Date & Time	Academic Year 2018-19 (semester V,VI)
Venue	Classroom S-71 Science Building
Name of Coordinator	Prof Gudaghe P.G

You are requested to complete the documentation and submit it to IQAC after Certificate Course within five working days. Wish you all the best for Certificate Course.

Thank you


Yours Sincerely,
Coordinator
IQAC, K. J. Somaiya College
Kopargaon, Dist. A.Nagar

K. T. E. SOCIETY'S

**K. J. Somaiya College of Arts, Commerce and Science,
Kopergaon**

Certificate Course

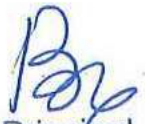
Time Table

Year 2018-19

Time	MON	TUE	WED	THU	FRI	SAT
	CS	CS	CS	CS		
	PKS	PKS	PKS	PKS		
	Practical	Practical	Practical	Practical		

Prof. Phatangare K. S. :-Cyber Security


HOD
Dept. of BBA_CA
K. J. Somaiya College, Kopergaon
Head of Department


Principal
**K. J. Somaiya College of Arts
Commerce & Science, Kopergaon**

Kopargaon Taluka Education Society's
K.J.Somaiya College of Art's Commerce & Science, Kopargaon.
Department Of BBA-CA
Certificate Course In Cyber Security Year 2018-19
Student Attendance List

Student Name	1/2	2/2	3/2	4/2	5/2	6/2	7/2	8/2	9/2	10/2	11/2	12/2	13/2	14/2	15/2	16/2	17/2	18/2	19/2	20/2	21/2	22/2	23/2	24/2	25/2	26/2	27/2	28/2
Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
ARANE VRUSHALI PRAKASH	A																											
PETARE SHUBHAM NANASAHEB																												
BANSODE AJIT PRAKASH																												
JOSHI SANKET SUNIL																												
GORDE TEJAS RAMDAS																												
CHAVAN PRATIKSHA ARVIND																												
MORE AVINASH ARJUN																												
BARHATE SANKET SARJERAO																												
SOMVANSHI RUPALI SANTOSH																												
SHINDE PRASAD GORAKSHNATH																												
JATHAR SHRADHA RAVINDRA																												
KALEKAR SAPANA RAMESH																												
PAWAR SAGAR SOMNATH																												
KHANDIZOD KRISHNA SUBHASH																												
DHARADE TEJAS RAMESH																												
SHAIKH ADNAN RAJU																												


Teacher Sign

Shaiikh Adnan Raju.

Cyber security 18-19

Antivirus update and patches

What is an antivirus definition update ?

Most antiviruses software vendors including Symantec, Microsoft and McAfee roll out definition updates quite frequently. It therefore becomes essential for network administration like you to keep a constant watch of these updates so as to settle the network desktops. However, with definition updates coming out every other day, most of the time it becomes tedious to accumulate the tracking and update process in your daily routine.

In case each of your network PCs is configured to directly communicate with the download server of the anti-virus vendor, it should definitely equate to huge bandwidth consumption.

Why should you have an antivirus definition update mechanism.

Antivirus software have become an integral part of network security. People who while malicious code are well aware of the operating system lapses of your network.

Installing an antivirus desktops on your network desktops. However network security management does not end with just like installation of an antivirus software. It also needs regular tracking and updating of the latest virus definitions, such as to rule out an upcoming vulnerable moment.

How to perform antivirus definition update using patch manager plus.

- For those of you running antivirus software on your network computers, here is a bit of relief on definition update.
- This patch management software options help you simplify mechanism the process by automating the definition update mechanism.
- Using the automated patch deployment (APP) option you can stay informed about the latest antivirus definition updates through the antivirus database sync that happens once every hour.
- After the sync the update are automatically installed in the endpoint.
- For even more clarity on handling antivirus definition update.

Two keys benefits employing patch manager plus.

Automation of the definition update process saves administrator time to be utilized for some other attention seeking task.

Efficiently deploys antivirus definition updates in a controlled manner, along with optimized bandwidth consumption.

To keep it simple, patch manager plus takes you one step closer towards securing your network computer from malware and spywares.

Supported applications

- Windows defenders
- McAfee VirusScan Enterprise.
- Microsoft Security Essential.

What is the difference between a patch & an upgrade?

When a new version of software is released, users of that software are entitled to a free patch or an upgrade at a discounted price depending on the current license owned.

- A patch is offered to users who currently own a license for a version of the software that has the same major revision no. as the new release.
- Upgrade pricing is offered to users who own a license that has a major revision no. different from that new release.

For example: If a user owns version 1 of the software and version 2 is released the user can purchase an upgrade at a discounted price.

K. T. E. SOCIETY'S

**K. J. Somaiya College of Arts, Commerce and Science,
Kopergaon**

Department of BBA(Computer Application)

Certificate Course Name:- Cyber Security

Date

Time:-

Instructions :- All Question are compulsory.

All Questions will get full Marks

	Marks
1 Explain cyber security concepts.	4 M
2 Explain fraud Techniques.	4 M
3 Define viruses & its types.	4 M
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Kopargaon Taluka Education Society's
K.J.Somaiya College of Art's Commerce & Science, Kopargaon.
Department Of BBA-CA
Certificate Course Year 2018-19
Student Mark List

Sr.No.	Student Name	Marks
		Cyber Security
1	ARANE VRUSHALI PRAKASH	24
2	PETARE SHUBHAM NANASAHEB	22
3	BANSODE AJIT PRAKASH	24
4	JOSHI SANKET SUNIL	23
5	GORDE TEJAS RAMDAS	24
6	CHAVAN PRATIKSHA ARVIND	25
7	MORE AVINASH ARJUN	22
8	BARHATE SANKET SARJERAO	22
9	SOMVANSHI RUPALI SANTOSH	22
10	SHINDE PRASAD GORAKSHNATH	23
11	JATHAR SHRADHA RAVINDRA	24
12	KALEKAR SAPANA RAMESH	23
13	PAWAR SAGAR SOMNATH	24
14	KHANDIZOD KRISHNA SUBHASH	23
15	DHARADE TEJAS RAMESH	22
16	SHAIKH ADNAN RAJU	22


Teacher Sign

Kopargaon Taluka Education Society's

K.J.Somaiya College of Art's Commerce & Science, Kopargaon.

Department Of BBA-CA

Certificate course in

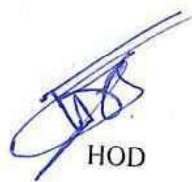
Cyber Security

(Estd-UG-2009)

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