



JNAN VIKAS MANDAL'S

**Mohaulal Raichand Mehta College of Commerce
Diwali Maa Degree College of Science
Amritlal Raichand Mehta Degree College of Arts
Padmashree (Dr.) R.T. Doshi Degree College of Computer S
Plot No.9, Sector -19, Airoli, Navi Mumbai
NAAC Re-Accredited CGPA-3.33 'A'-Grade**

Certifica
2022 -

Date: 17/06/2022

NOTICE

All departmental members are hereby informed that the online department meeting is arranged on June 18, 2022 at 01:30 p.m. in IT Lab.

Agenda

1. Conduction of Certification course of TYIT students

Archana Sanap

Asst. Prof. Archana Sanap
Incharge- IT DEPT

JK

Asst. Prof. Janhavi Kshirsagar
Coordinator CS-IT DEPT



B. R. Deshpande
Dr. B. R. Deshpande
Vice Principal

Leena

Dr. (Mrs) Leena Sarkar

Principal
PRINCIPAL
JNAN VIKAS MANDAL'S
M.R. MEHTA COLLEGE OF COMMERCE
D.M. COLLEGE OF SCIENCE
A.R. MEHTA COLLEGE OF ARTS
Dr. R.T. DOSHI COLLEGE OF COMPUTER SCIENCE
Plot No. J, SEC.- 19, AIROLI,
NAVI MUMBAI-400 709



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Minutes of Meeting

The departmental meeting was held on June 18, 2022 at 01:30 p.m. in the IT Lab.

Following matters were discussed and finalized as per agenda.

❖ Conduction of Certification course of TYIT students

It was decided that the certification course should be conducted from 20th June, 2022 to 25th June, 2022. For TYIT "Fundamentals of Security in Information Technology" subject is decided. And it was decided that it should be 30 hrs.

❖ Subject Distribution

It was decided that Cyber Security subject will be taken by Dr.Sunitha Joshi, Network Security will be taken by Mrs. Sharayu Kadam. Mobile Security subject will be taken by Archana Sanap, Disk Scheduling subject will be taken by Ashish Chavan, Database Security subject will be taken by Rajshree Pisal. All the teachers were asked to design the syllabus for 8 hours each share by 19th June 2022.

❖ Work Distribution

Subjects are distributed among following teachers

Mrs.Archana Sanap	Mobile Security
Mrs.Sunitha Joshi	Cyber Security
Mr.Ashish Chavan	Computer Security
Mrs.Sharayu Kadam	Network Security
Mrs.Rajshree Pisal	Database Security



Adjournment

Meeting was adjourned at 02:30 pm.

Following members were present:

Dr.(Mrs.) Leena Sarkar (Principal)

Signature

Leena

Dr. B. R. Deshpande (Vice Principal)

→

[Signature]

Asst. Prof. Janhavi Kshirsagar(CS-OT Coordinator)

[Signature]

Asst. Prof. Archana Sanap (IT Incharge)

Archana

Asst. Prof Sharayu Kadam.

Sharayu

Asst. Prof Rajshree Pisal.

Rajshree

Asst. Prof. Sunitha Joshi

Ass.Prof. Ashish Chavan.

[Signature]



SYLLABUS

Duration-30 Hrs

OBJECTIVES: -

- Learners will gain knowledge about securing clean and corrupted systems.
- Learners will understand how to protect data, secure personal data and secure computer networks.
- Learner will understand the role of cryptographic system

OUTCOME: -

- Learner will analyze and resolve security issues in different networks
- Design, develop, test and evaluate secure software.
- Interpret and forensically investigate security incidents.

CORE SYLLABUS

Duration: 06 Hours

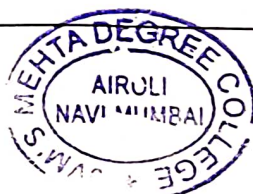
Asst.Prof.Archana Sanap.-Mobile Security (6 Lectures)

SR. NO.	TOPICS	THEORY HOURS
1	Introduction to Mobile Security	02
2	Security of GSM Networks & Security of UMTS Networks	02
3	WiFi and Bluetooth Security	01
4	Emerging Trends in Mobile Security	01

Duration: 06 Hours

Dr.Sunitha Joshi- Cyber Security (6 Lectures)

SR. NO.	TOPICS	DURATION
1	Cyber security introduction –Basics	02
2	Security vulnerabilities, threats and Attacks	02
3	Cyber Threats-Cyber-Warfare	01
4	Cyberspace and the Law & Cyber Forensics	01



Duration: 06 Hours

Asst.Prof. Ashish Chavan- Computer Security (6 Lectures)

SR. NO.	TOPICS	THEORY HOURS
1	Computer Security Overview	02
2	Computer Security Elements	02
3	Computer Security Terminologies	01
4	Computer Security Strategies	01

Duration: 06 Hours

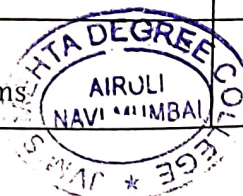
Asst.Prof. Sharayu Kadam- Network Security (06 Lectures)

SR. NO.	TOPICS	DURATION
1	Computer Security: Introduction, Need for security, Principles of Security, Types of Attacks Cryptography: Plain text and Cipher Text.	02
2	Substitution techniques, Caesar Cipher, Mono-alphabetic Cipher, Polygram, Polyalphabetic Substitution.	02
3	Playfair, Hill Cipher Transposition techniques, Encryption and Decryption.	01
4	Symmetric and Asymmetric Key Cryptography, Steganography, Key Range and Key Size, Possible Types of Attacks.	01

Duration: 06 Hours

Asst.Prof.Rajshree Pisal- Database Security (6 Lectures)

SR. NO.	TOPICS	DURATION
1	What is database security? Why is it important?	02
2	Common threats and challenges, Best practices	02
3	Controls and policies, Data protection tools and platforms	01



Exam paper

Examination Of T.Y.Bsc(I.T) Certification Course (Term-1)

2021-22

bhagyashreek3990@gmail.com [Switch account](#)

* Indicates required question

Email *

Your email

Roll Number *

Your rollno

Mobile Number *

Your answer

Name *

Examination Of T.Y.Bsc(I.T) Certification Course (Term-1)

bhagyashreek3990@gmail.com [Switch account](#)

* Indicates required question

Multiple Choice Questions

Which of the following assures that private information is not made available to unauthorized users? * 2 points

- Data Integrity
- Data Confidentiality
- Privacy
- System Integrity

Mobile security is also known as? *

- OS Security
- APIs Security
- Wireless Security
- Database security



_____ refers to an action or event that might compromise the security. * 1/20/2018

- Attack
- Threat
- Unauthorized Access
- Vulnerability

_____ is the protection of smart-phones, p/ablets, tablets, and other * 1/20/2018
portable tech devices, & the networks to which they connect, from
threats & bugs.

- OS Security
- Database security
- Cloud security
- Mobile security

Which one of the following can be considered as the class of computer * 1/20/2018
threats?

- DoS Attack
- Phishing
- soliciting

_____ prevents data from being transferred in such a way that it * 21/04/2018
can be accessed by unauthorized agents.

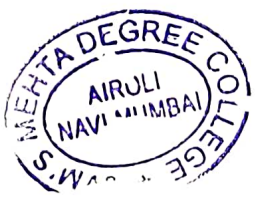
- Password control
- Data control
- Access control
- Flow control

_____ is the central node of 802.11 wireless operations. * 21/04/2018

- WPA
- Access Point
- WAP
- Access Port

In digital world, what is the biggest weakest point of security? * 21/04/2018

- Software
- Hardware
- Network
- Human



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_____ may arrive via any endpoint device connecting to the database's network * 1 point

- Malware
- Firewall
- Attack
- Firewall

The process of verifying the identity of a user * 2 points

- Identification
- Authentication
- Validation
- Verification

Which is not a principle of network security? * 1 point

- Identification
- Authentication
- Access control
- Lock

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Which of the following method is used to detect Trojans? * 1 point

- Scanning
- Integrity Checking
- Interception
- Searching

_____ occur when unacceptable operations are performed upon the database either accidentally or maliciously. * 2 points

- Database loss
- Confidentiality loss
- Availability loss
- Integrity loss

Network Security provides authentication and access control for resources * 2 points

- Yes
- No
- Maybe
- Not sure

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Feedback form CAC - Certification Course Te - Link Of TTY Certificate - Examination Of TTY - Whole TTY Certificate - Inbox (207) - Uterjan - Examination Of TTY

is a database and big data store scanner that can immediately uncover configuration mistakes * 2 points

- Nmap
- AppDetectivePRO
- Scuba
- Zenmap

In system Based hacking, which of the following is the most crucial activity? * 2 points

- Information gathering
- Covering tracks
- Bypassing passwords
- Cracking passwords

Which of the following refers to exploring the appropriate, ethical behaviors related to the online environment and digital media platform? * 2 points

- Cyber law
- Cyberethics
- Cybersecurity
- Cybersafety

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Feedback form CAC - Certification Course Te - Link Of TTY Certificate - Examination Of TTY - Whole TTY Certificate - Inbox (207) - Uterjan - Examination Of TTY

The information that gets transformed in encryption is _____ * 2 points

- Encrypted Text
- Decrypted Text
- Plain Text
- Parallel Text

Malware gets propagated through networks and technologies like? * 2 points

- SMS
- Bluetooth
- Wireless
- All of the above

In which of the following, a person is constantly followed/chased by another person or group of several peoples? * 2 points

- Flushing
- Bullying
- Stalking
- Identity theft

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Feedback form (CIC) x Certification Course Te x Link of TTT Certificate x Examination of TTT B x Whole TTT Certificate x Hebr (207) - shagun x Examination of TTT B x

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_____ ensures that systems work promptly and service is not denied to authorized users? * 2 points

- Data Integrity
- Data Confidentiality
- Privacy
- Availability

Which of the following refers to the violation of the principle if a computer is no more accessible? * 2 points

- Confidentiality
- Availability
- Integrity
- All of the above

A process of making the encrypted text readable again. * 2 points

- Decryption
- Encryption
- Network Security
- Information Hiding

Type here to search

6:37 PM 15-06-2023

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Activate _____ when you're required to use, otherwise turn it off for security purpose. * 2 points

- Flash Light
- App updates
- Bluetooth
- Rotation

_____ occurs when a process attempts to write more data to a fixed-length block of memory than it is allowed to hold. * 2 points

- Threats
- DoS attack
- Buffer overflow
- Malware

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6:38 PM 15-06-2023



Participant list

Sr. No.	Name of the Student
1	Tanvi sangle
2	BHAVESH PRAKASH GANGURDE
3	Aniket Shinare
4	Sachin yadav
5	Vaibhav mishra
6	Triloki varma
7	Raj Sandeep pawar
8	Raja Prajapati
9	Anveshan John Parichha
10	Prathmesh taware
11	Ribika Autade
12	Adhiraj
13	VIJAY VITTHAL SHIPTE
14	Shaikh saquib
15	Vinay
16	Bhumika Salvi
17	Prashant Vithal Godhe
18	SHRIRAJ CHAUGHULE
19	Anil kumawat
20	Shubhangi Shivaji Date
21	Shreya Dayanand Lad
22	Jitesh yadav
23	Reeta Dayaram yadav
24	Atrin Verma
25	Anjali Dilram Yadav
26	Yadav Saurabh Vishnu
27	Sushant Rout
28	Samani Ajaj
29	Siddhant Raut
30	Anjali Dilram yadav
31	Imran khan



32	Sakshi Sachin Panchal
33	shruti pathak
34	Sushil Nagendra Pothenar
35	Aditya prajapati
36	Vijaysingh
37	Isha Torse
38	Gaurav Upreti
39	SAMEER RAEEN
40	Shaikh amir akhtar firoz
41	Nikita kewat
42	Neeraj yadav
43	Rushikesh Anil Gawade
44	arun
45	Amit singh

Marksheet


Sr. No.	Marks	Name of the Student
1	30 / 50	Tanvi sangle
2	48 / 50	BHAVESH PRAKASH GANGURDE
3	48 / 50	Aniket Shinare
4	48 / 50	Sachin yadav
5	48 / 50	Vaibhav mishra
6	48 / 50	Triloki varma
7	48 / 50	Raj Sandeep pawar
8	48 / 50	Raja Prajapati
9	48 / 50	Anveshan John Parichha
10	48 / 50	Prathmesh taware
11	48 / 50	Ribika Autade
12	48 / 50	Adhiraj VIJAY VITTHAL
13	48 / 50	SHIPTE
14	48 / 50	Shaikh saquib
15	48 / 50	Vinay
16	30 / 50	Bhumika Salvi



17		48 / 50	Prashant Vithal Godhe
18		48 / 50	SHRIRAJ CHAUGHULE
19		50 / 50	Anil kumawat
20		48 / 50	Shubhangi Shivaji Date
21		44 / 50	Shreya Dayanand Lad
22		36 / 50	Jitesh yadav
23		48 / 50	Reeta Dayaram yadav
24		30 / 50	Atrin Verma
25		32 / 50	Anjali Dilram Yadav
26		40 / 50	Yadav Saurabh Vishnu
27		40 / 50	Sushant Rout
28		30 / 50	Samani Ajaj
29		42 / 50	Siddhant Raut
30		32 / 50	Anjali Dilram yadav
31		48 / 50	Imran khan
32		40 / 50	Sakshi Sachin Panchal
33		46 / 50	shruti pathak
34		46 / 50	Sushil Nagendra Pothenar
35		40 / 50	Aditya prajapati
36		36 / 50	Vijaysingh
37		40 / 50	Isha Torse
38		32 / 50	Gaurav Upreti
39		44 / 50	SAMEER RAEEN
40		46 / 50	Shaikh amir akhtar firoz
41		48 / 50	Nikita kawat
42		36 / 50	Neeraj yadav
43		18 / 50	Rushikesh Anil Gawade
44		46 / 50	arun
45		34 / 50	Amit singh



Flyer



JNAN VIKAS MANDAL'S DEGREE COLLEGE
NAAC RE-CREDITED 'A' GRADE (CGPA 3.33)
 Plot No. 9, Sector-19, Airoli, Navi Mumbai

Department of Information Technology
 Organizes
 Online Certificate Course
**Fundamentals of Security in
 Information Technology**

Mrs.Sunitha Joshi
 Mr.Ashish Chavan
 Mrs.Sharayu Kadam
 Mrs.Rajshree Pisal

Date:24th June to 3rd July
 2021
 Duration: 40 Hours

Mrs.Archana Sanap
 IT-Incharge

Dr. (Mrs.) Leena Sarkar
 Principal

Mrs.Janhavi Kshirsagar
 CS-IT Coordinator

Certificate



JNAN VIKAS MANDAL'S DEGREE COLLEGE
 NAAC RE-ACCREDITED 'A' GRADE (CGPA-3.33)
 Plot No. 9, Sector - 19, Airoli, Navi Mumbai, Maharashtra - 400 708

CERTIFICATE

This certificate is awarded to
 <<NAME>>

*who has successfully completed Certificate Course "Fundamentals of Security in
 Information Technology" organized by Department of Information Technology of
 JNM's Degree College*


 Mrs. Archana Sanap
 In- Charge IT


 Mrs. Janhavi Kshirsagar
 Coordinator CS-IT


 Dr. Leena Sarkar
 Principal





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Report

The certificate course in "Fundamentals of Security in Information Technology" was conducted for the third year information technology of third year. The certificate course was conducted with an aim of introducing the fundamentals of security in the field of information technology which helped the students to gain an insight into the various solutions and aspects of the security in the field of information technology.

The subjects of the course were Mobile Security, Cyber Security, Computer Security, Network Security and Database Security.

The course commenced from 20th, June 2022. The course ended on 3rd, June 2022. The total duration of course was 30 hours.

Following faculties conducted the lectures

Sr No	Teacher Name	Subject Name
1	Mrs.Archana Sanap	Mobile Security
2	Mrs.Sunitha Joshi	Cyber Security
3	Mr.Ashish Chavan	Computer Security
4	Mrs.Sharayu Kadam	Network Security
5	Mrs.Rajshree Pisal	Database Security

Course exam was conducted on 25th June 2022 from 2pm to 3pm. Total 50 marks exam was conducted by Mrs.Bhagyashree Kulkarni. Total 45 students attempted the examination.

Results of the certificate course were released via email to the students who attempted the exam.

Asst. Prof. Archana Sanap

Incharge- IT DEPT

Dr. B. R. Deshpande

Vice Principal



Asst. Prof. Janhavi Kshirsagar

Coordinator CS-IT DEPT

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