

Government Polytechnic Jamnagar

PRAGYAAN

Computer Department

Major Highlight of The Issue

:Editor:

Payal V. Patel

:Students Team:

Hetvi Godhani

Nishchay Gohel

Nirav Gohel

**Online Teaching
Activities At
Glance**

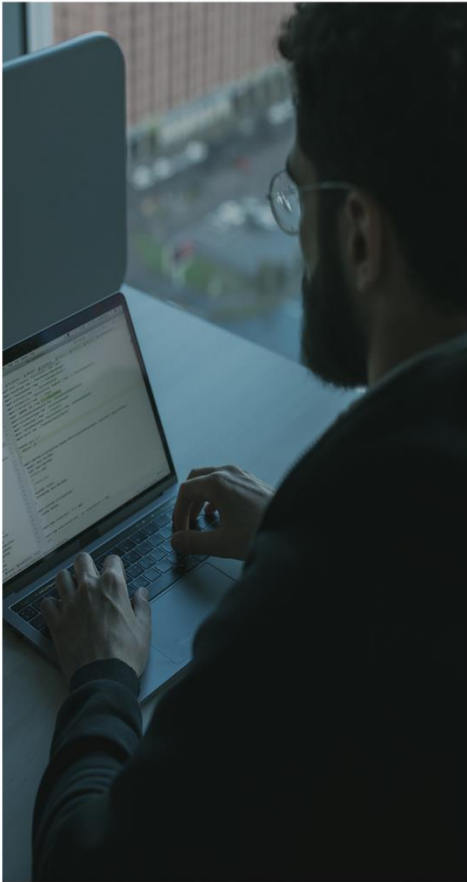
**IMPLEMENTATION
OF NEP 2020**

**Vision
Mission
PEOs
PSOs
of Computer Dept**

**IOT
and
Its Application**



Contents



03 Message from Head

04 Vision, Mission, PEOs

05 Teaching activity

06 Webinar

07 NBA Activity

WEBSITE: <http://www.gpjm.cteguj.in/programs/detail/205>

FROM THE DESK OF HEAD OF DEPARTMENT

It is a pleasure to head the department of Computer Engineering Branch. Computers have become an inherent part of our routine life. No department or business can be thought of being fully functional and automated without the use of computers.

Computer engineering helps students widen their creative horizon and provide solutions to the problems people haven't thought about yet.

Our department provides a platform for the students to enhance their employability skill which helps us in achieving our objective of preparing students for a successful career.



Vision of the Dept

To become a centre of excellence and generate competent professionals in the field of computer engineering for the betterment of the nation and society at large.

Mission of the Dept

M1:To inculcate into students practical skills.

M2:To facilitate students with suitable environment to develop their logical and analytical skills

M3:To make available modern technology and related tools for hands-on experience.

M4:To inculcate interpersonal skills and ethical values into the students so that they can become successful professionals.

PEOs

PEO1: Pursue higher education in engineering to enhance knowledge and skills gained in diploma.

PEO2: Develop career as professional in software industry, networking, database administration etc.

PEO3: Develop innovative and entrepreneurial attitude in order to start an enterprise.

PSOs

PSO1: Able to develop computer software such as web applications and desktop applications using appropriate tools.

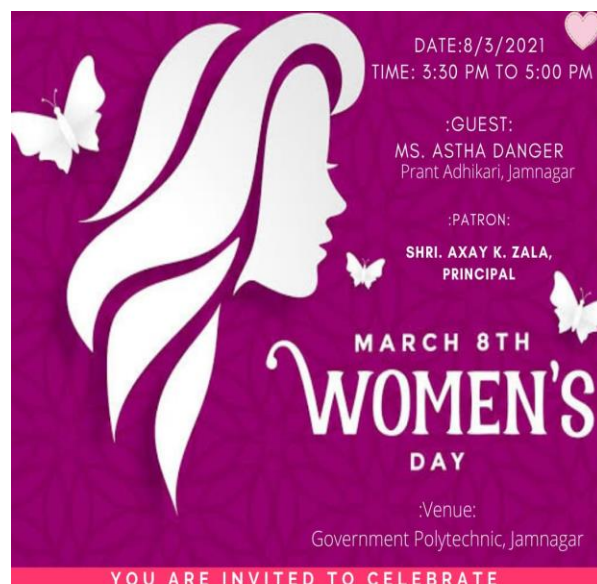
WOMEN'S DAY CELEBRATION

Women's Day was celebrated in Government Polytechnic, Jamnagar on 8th March 2021, as a part of the ongoing co-curricular activities conducted every year. 20 students had participated in this event from Computer Department.



All the students benefited from the activity and gave an overwhelming response.

We are thankful to the subject expert Ms. Astha Danger for sharing their expertise with the students.



International Women's Day

TITLE: WOMEN'S DAY CELEBRATION

DATE: 08/03/2021 TIME: 3:30 PM

GUEST:

**MS. ASTHA DANGER, PRANT OFFICER
(JAMNAGAR CITY)**

PATRON: SHRI. A. K. ZALA, PRINCIPAL


**VENUE: GOVERNMENT POLYTECHNIC,
JAMNAGAR**

**ORGANIZED BY: GOVERNMENT
POLYTECHNIC, JAMNAGAR**


AZADI KA AMRIT MAHOTSAV

“Azadi Ka Amrit Mahotsav” is an initiative of the Government of India to celebrate and commemorate 75 years of progressive India and the glorious history of it’s people, culture and achievements.

The official journey of “Azadi ka Amrit Mahotsav” commences on 12th March, 2021 which starts a 75 week countdown to our 75th anniversary of Independence and will end post a year on 15th August, 2023.



“आज़ादी-अमृत महोत्सव”



GOVERNMENT POLYTECHNIC
JAMNAGAR
ESTD. YEAR-1983

GOVERNMENT POLYTECHNIC, JAMNAGAR

साधकल रेली

आगामी वर्ष 15-8-2022 ना रोज आपणी आज़ादीना 75 वर्ष पूरा थतां ह्येवाथी “आज़ादीना अमृत महोत्सव” नी लव्य उजवणी करवानुं नक्री करवामां आवेल छे. आ उजवणी ना कार्यक्रमना लाग रुपे माननीय वडाप्रधान श्री द्वारा ता..12-3-2021ना रोज हांडी मार्चना कार्यक्रम थी शुरुआत करवामां आवेल छे. आ कार्यक्रमने लव्य उजवणी माटे टेशसरमां अलग अलग कार्यक्रमो नुं आयोजन करवामां आवशे.

तेना अन्वये आपणी संस्था द्वारा आगामी तारीख **१५-०३-२०२१ (मंगलवार)** ना रोज साधकल रेली नुं आयोजन करेल छे. तो आ साधकल रेलीमां संस्थाना सर्व कर्मचारीओ अने विद्यार्थीओ ने उत्साह बेर लाग लेवा अपील करवामां आवे छे.

समय : ०४.३० pm.
तरीख : १५-३-२०२१
वार : मंगलवार
स्थान : सरकारी पोलीटेक्नीक, जामनगर
नोंध : साधकल रेली मां साथे राष्ट्रीय ध्वज अने भारतीय स्वातंत्र्य संग्रामना लडवैयाना पोस्टर के झोठे लावी शकशे.



To celebrate “Azadi Ka Amrit Mahotsav”, Cycle rally was organised on 16th March 2021 by the Government Polytechnic College, Jamnagar. All the students gave an overwhelming response.

TITLE: CYCLE RALLY

DATE: 16/03/2021 TIME: 4:30 PM

**VENUE: GOVERNMENT POLYTECHNIC,
JAMNAGAR**

**ORGANIZED BY: GOVERNMENT
POLYTECHNIC, JAMNAGAR**



WEBINAR

A webinar was organized in computer department on the subject of “Hypertext Preprocessor (PHP)” in order to make the students aware of the latest trends in the computer engineering field as a part of the ongoing co-curricular activities conducted in every semester. 53 students had participated in this webinar from 4th Semester Computer Department.

The presentation covered the latest trends in the above-mentioned subject in the field of computer engineering which provided students with highly required skills and knowledge for the advancement of their career. All the students benefited from the activity and gave an overwhelming response.

We are thankful to the subject expert Mr. Shraavan Kumar for conducting the webinar and share their expertise with the students.

TITLE: WEBINAR ON HYPERTEXT PREPROCESSOR (PHP)

DATE: 15/03/2021 TIME: 11:00 AM

CONDUCTED BY: MR. SHRAVAN KUMAR

COMPANY: TOPS TECHNOLOGIES

PATRON: SHRI. A. K. ZALA, PRINCIPAL

ORGANIZED BY: COMPUTER DEPARTMENT, GOVERNMENT POLYTECHNIC, JAMNAGAR

WEBINAR

National Education Policy 2020 is the first education policy of the 21st century and aims to address the many growing developmental imperatives of our country.

This National Education Policy envisions an education system rooted in Indian ethos that contributes directly to transforming India, that is Bharat, sustainably into an equitable and vibrant knowledge society, by providing high-quality education to all, and thereby making India a global knowledge superpower.

A webinar was organized in computer department on the subject of “IMPLEMENTATION OF NEP 2020” in order to make the faculties and the students aware about the new education policy of India.

The presentation covered all the aspects of the education policy. All the students benefited from the activity and gave an overwhelming response. Around 250 students had participated in this webinar from Government Polytechnic Jamnagar.

We are thankful to the subject expert Prof.(Dr.) Ketan Badgujar for conducting the webinar and share their expertise with the students and the faculty members.

The poster is blue with white and yellow text. It features the Society for Technical Education (STE) logo on the left and the Government Polytechnic Jamnagar logo on the right. The title is "WEBINAR ON 'IMPLEMENTATION OF NEP-2020'" with the subtitle "New Education Policy-2020". A circular portrait of Prof. Ketan Badgujar is shown with his name and title: "SPEAKER Prof.(Dr.) Ketan Badgujar, Head of Electrical Department, Shantilal Shah Engineering College, Bhavnagar". The schedule is: "SCHEDULE: DATE: MARCH 23, 2021 TIME: 4.00 PM ONWARDS PLATFORM: MS TEAMS LINK: HTTP://BIT.LY/31428YT OR USE QR CODE". The patron is "Shri A.K.Zala, Principal". Coordinators are "Dr. V.S.Tejiwani" and "Dr. N.H.Shah". Organized by "GOVERNMENT POLYTECHNIC JAMNAGAR". A QR code is on the right.

The screenshot shows a Microsoft Teams meeting window. The title bar says "Webinar on NEP-2020". The main content is a presentation slide with the title "1.1 Uniqueness of Ancient Indian Education". The slide text includes: "• Back then education in ancient India was quite different from the rest of the world.", "• There was no interference of society and state with the curriculum or the administration.", "• A child had to leave home to get an education, and live with a teacher in a Gurukul for the duration of his studies.", "• Education was free of cost. According to this system, physical labour was of utmost importance. So, even if a child was interested in acquiring philosophical knowledge, he would still have to do some manual work every day and the teacher took care of everything, including food, clothing and housing.", "• Debates and discussions were a part of education, even in ancient days." The slide is attributed to "Ketan Badgujar". The right sidebar shows a list of participants: AKAY ZALA, CHETANKUMAR KAMANI, KAUSHAL SHAH (Organizer), Ketan Badgujar (Presenter), Kamal Rajchura, and VINOD TEWANI. The bottom of the screen shows a grid of video thumbnails for participants.

TITLE:IMPLEMENTATION OF NEP 2020

DATE: 23/03/2021 TIME: 4:00 PM

CONDUCTED BY:

SHRI KETAN BADGUJAR

**HOD IN ELECTRICAL DEPARTMENT,
SHANTILAL SHAH ENGINEERING
COLLEGE,BHAVNAGAR**

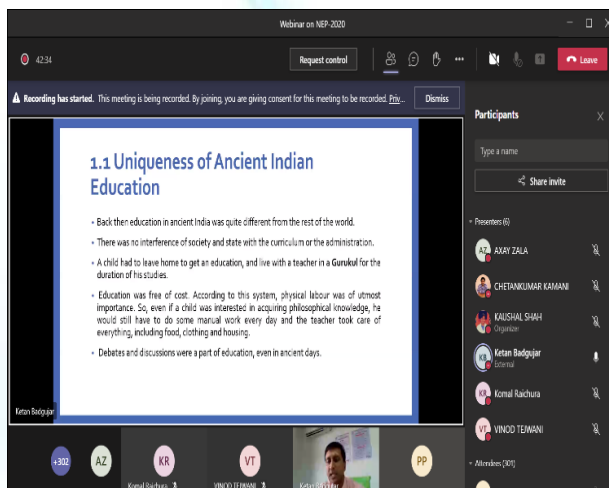
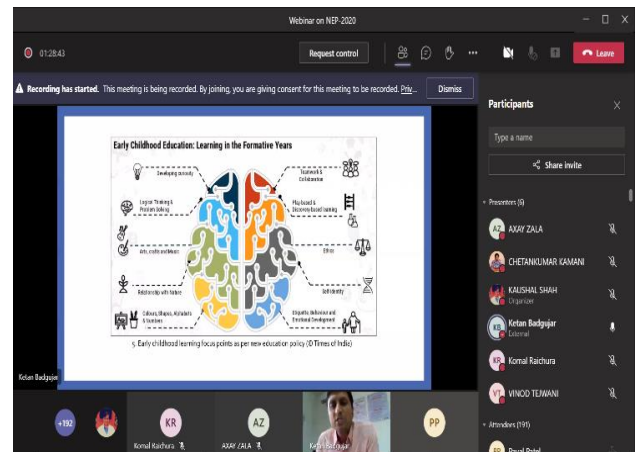
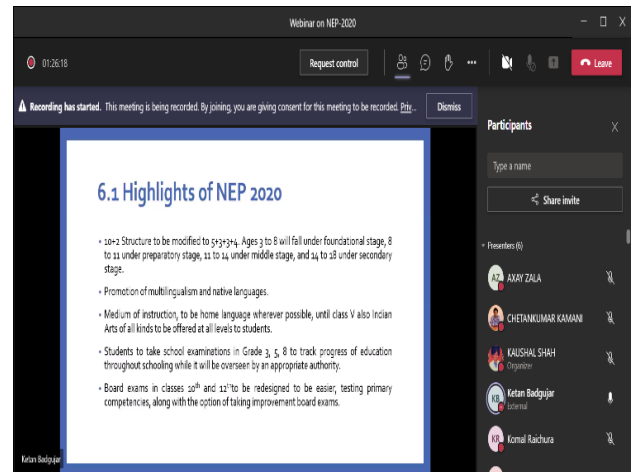
PATRON: SHRI. A. K. ZALA, PRINCIPAL

COORDINATORS:

SHRI. V.S. TEJWANI

SHRI. N.H. SHAH

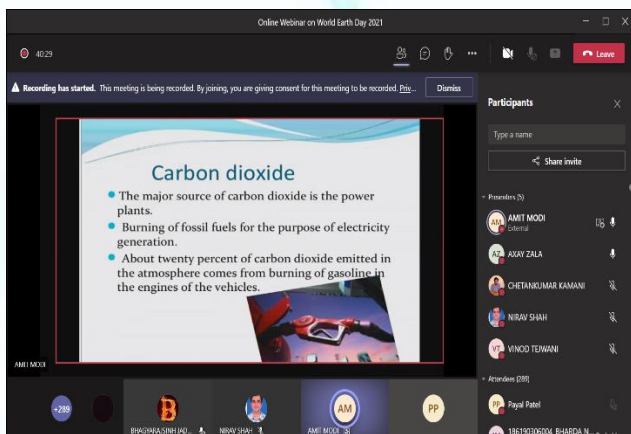
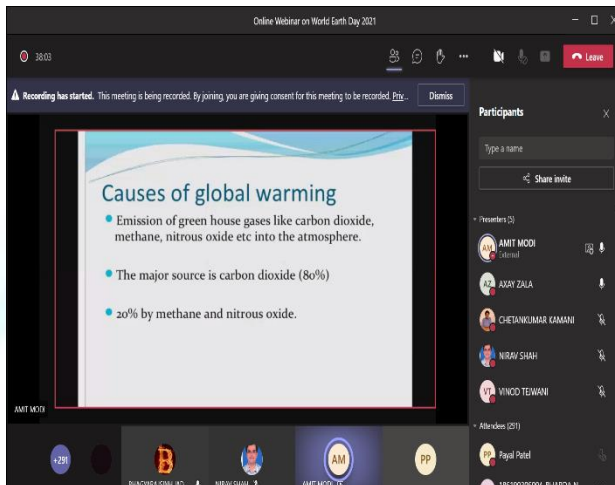
**ORGANIZED BY: GOVERNMENT
POLYTECHNIC, JAMNAGAR**



WEBINAR

Earth Day is an annual event on April 22 to demonstrate support for environmental protection. First held on April 22, 1970 in the United States. The year 2021 marks the 51st anniversary of the annual celebrations.

A webinar was organized on “World Earth Day 2021” as a part of the ongoing co-curricular activities.



TITLE: WORLD EARTH DAY 2021

DATE: 22/04/2021

TIME: 11:30 AM TO 12:30 PM

SPEAKERS:

- 1) Prof. Amit D. Modi**
Lecturer , Mechanical Dept,
Dr. J N Mehta G.P. AMRELI
- 2) Dr. Nirav H. Shah**
Lecture in Mathematics,
G. P. JAMNAGAR

PATRON: SHRI. A. K. ZALA, PRINCIPAL

**ORGANIZED BY: GOVERNMENT
POLYTECHNIC, JAMNAGAR**

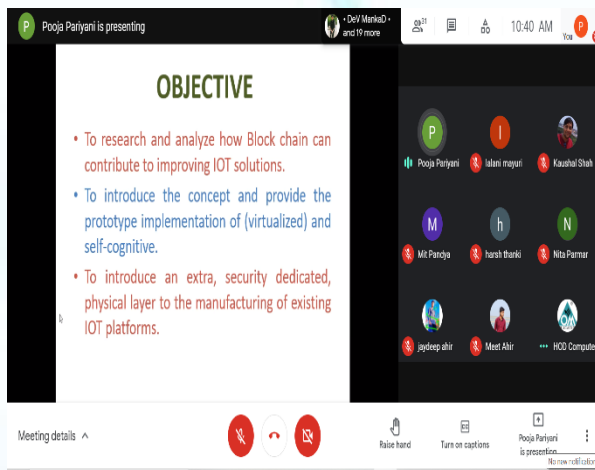
PLATFORM: MS TEAMS

**WEBINAR LINK:
<https://bit.ly/32wWPGC>**

WEBINAR

A webinar was organized in computer department on the subject of “Internet of Things and Its Application” in order to make the students aware of the latest trends in the computer engineering field as a part of the ongoing co-curricular activities conducted in every semester. 40 students had participated in this webinar from 6th Semester Computer Department.

The presentation covered the latest trends in the above-mentioned subject in the field of computer engineering which provided students with highly required skills and knowledge for the advancement of their career. All the students benefited from the activity and gave an overwhelming response.



We are thankful to the subject expert Ass. Prof. Pooja Pariyani for conducting the webinar and share their expertise with the students.



TITLE: IOT AND Its APPLICATIONS

DATE: 29/04/2021 TIME: 10:30 AM

CONDUCTED BY:

ASS. PROF. POOJA PARIYANI

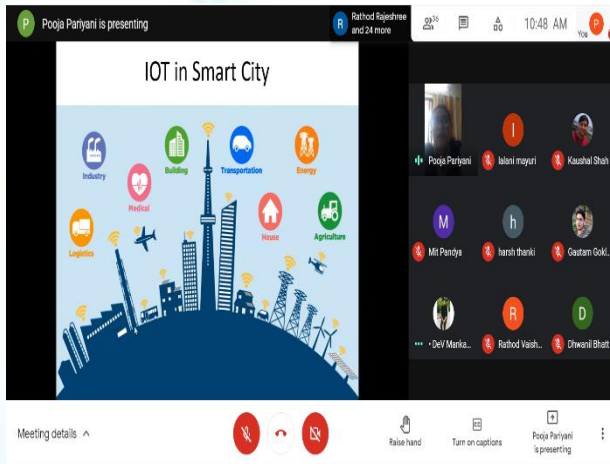
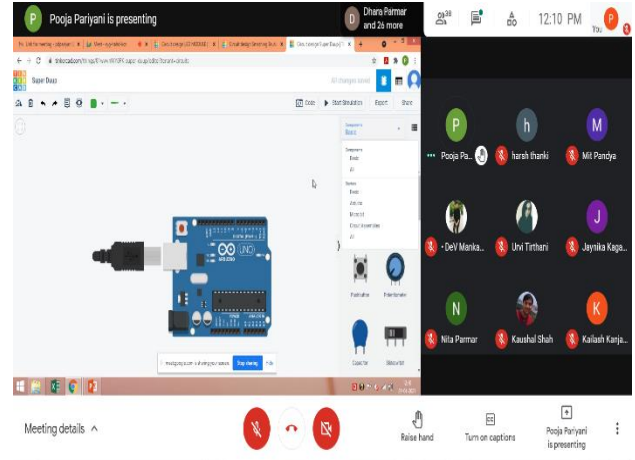
**COMPUTER ENGINEERING
DEPARTMENT, OM ENGINEERING
COLLEGE, JUNAGADH**

PATRON: SHRI. A. K. ZALA, PRINCIPAL

**COORDINATOR: MS. JAYNIKA
KAGATHARA**

ORGANIZED BY: COMPUTER DEPARTMENT, POLYTECHNIC, JAMNAGAR

**WEBINAR LINK:
<https://meet.google.com/ryg-hahd-kcn>**

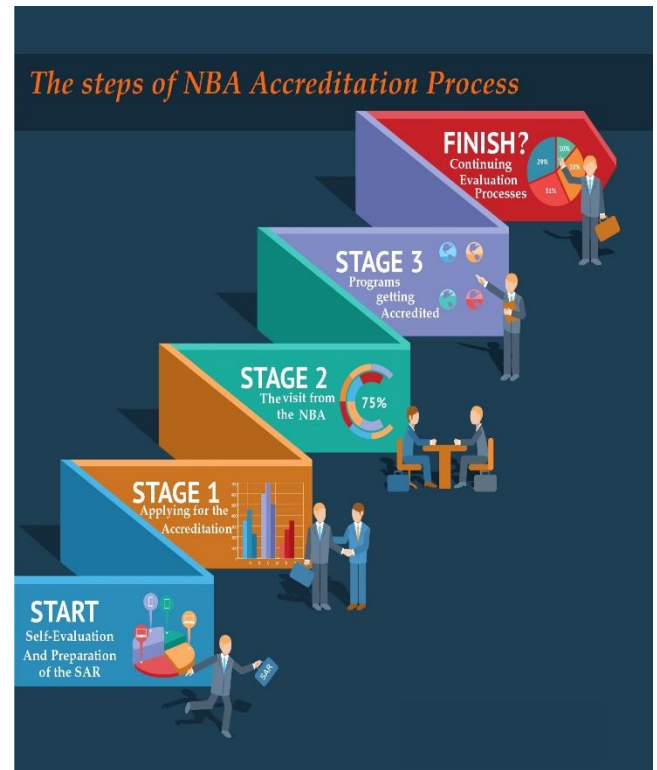


NBA MEETING

NBA was established by the All India Council for Technical Education (AICTE) in 1994 and operated as an autonomous body since 2010. In near future the department aspires for NBA accreditation. We are working hard towards providing best to our stakeholders. We have organized many meetings with NBA Experts and Mentor.

For achieving our target, we have organized many meetings with our Computer Engineering Department as well as at the Institute Level.

A webinar has been organized on “NBA ACCREDITATION PROCESS AND CRITERIA 3, 4 and 5” in our college. This webinar was conducted in two parts.



WEBINAR

A webinar has been organized on “NBA ACCREDITATION PROCESS AND CRITERIA 3, 4 and 5” in our Computer Engineering Department as well as at the Institute Level.

We are thankful to the subject expert Prof. Dhruv Panchal for conducting the webinar and share their expertise with us.

A webinar has been organized on MS TEAM of NBA criteria 3-4-5 as per the instructions of the principal for the purpose of getting special guidance in the process of NBA.

TITLE: NBA ACCREDITATION PROCESS AND CRITERIA 3, 4 and 5

DATE: 06/02/2021

TIME: 11:00 AM TO 12:30 PM

CONDUCTED BY: PROF. DHRUV PANCHAL

INSTITUTE: MECHANICAL, L.D. ENGINEERING COLLEGE, AHMEDABAD

PATRON: SHRI. A. K. ZALA, PRINCIPAL

COORDINATORS:

**SHRI. H. V. MANDALIA,
SHRI. A. M. GALANI,
SHRI. N. B. SANGHANI**

ORGANIZED BY: GOVERNMENT POLYTECHNIC, JAMNAGAR

NBA
NATIONAL BOARD
of ACCREDITATION

WEBINAR ON "NBA CRITERIA 3,4 & 5"
Exploring Outcome-based Education

SCHEDULE:
DATE: FEB 06, 2021
TIME: 11:00 AM TO 12:30 PM
PLATFORM: MS TEAMS

PATRON:
Shri A.K.Zala, Principal

COORDINATORS:
Shri H.V.Mandalia
Shri A.M.Galani, Shri N.B.Sanghani

ORGANIZED BY:
GOVERNMENT POLYTECHNIC JAMNAGAR

SPEAKER
Prof. Dhruv Panchal,
Mechanical Engineering Department
L.D. ENGINEERING COLLEGE, Ahmedabad.

WEBINAR

For the purpose of getting detailed understanding of how to make attainment for any subject, a webinar has been organized on “Detailed understanding of subject attainment process under CRITERIA-3” in our Computer Engineering Department as well as at the Institute Level. This webinar was organised on 24th March 2021.

We are thankful to the subject expert Shri. Shailendrakumar Mistry for conducting the webinar and share their expertise with us.

Webinar on
"Detailed Understanding of Subject Attainment Process under NBA CRITERIA-3"

Exploring Outcome based Education

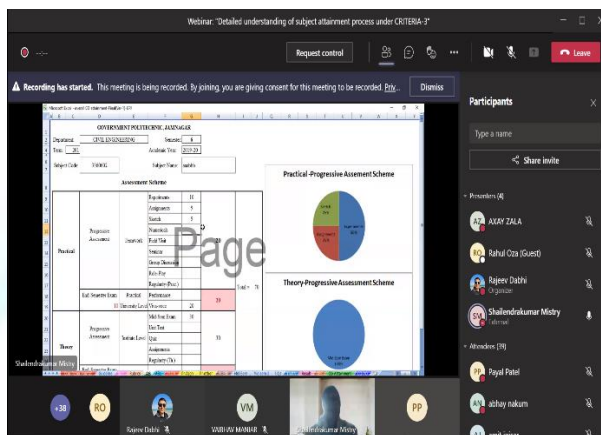
SPEAKER
 Shri S. M. Mistry,
 Head Civil Engineering Department,
 Dr. S. & S. S. Gandhi College Of Engineering & Technology (Diploma College),
 Surat

SCHEDULE:
 DATE: MARCH 24, 2021
 TIME: 3:30 PM TO 4:30 PM
 PLATFORM: MS TEAMS

PATRON: Shri A. K. Zala, Principal

COORDINATORS:
 Shri H. V. Mandalia,
 Shri. R. B. Dabhi

ORGANIZED BY:
 GOVERNMENT POLYTECHNIC
 JAMNAGAR



TITLE: DETAILED UNDERSTANDING OF SUBJECT ATTAINMENT PROCESS UNDER CRITERIA-3

DATE: 24/03/2021 TIME: 3:30 PM

CONDUCTED BY:

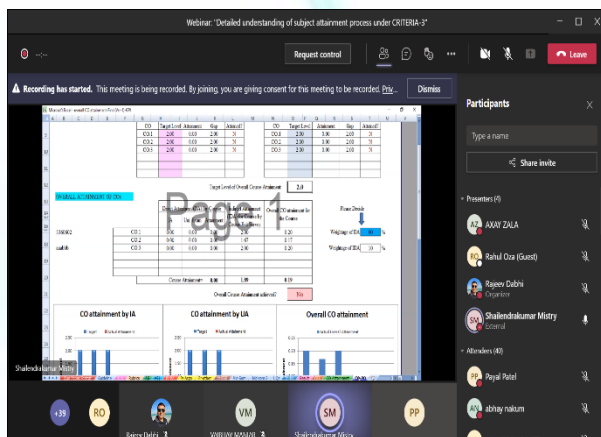
SHRI. SHAILENDRAKUMAR MISTRY

**HOD IN CIVIL ENGINEERING DEPARTMENT,
 Dr. S & S. S. GHANDHY COLLEGE OF ENGINEERING & TECHNOLOGY, SURAT (DIPLOMA COLLEGE)**

PATRON: SHRI. A. K. ZALA, PRINCIPAL

COORDINATOR: SHRI H. V. MANDALIA, SHRI. R. B. DABHI

ORGANIZED BY: GOVERNMENT POLYTECHNIC, JAMNAGAR



WHAT IS CYBER CRIME?



Cybercrime, or computer-oriented crime, is a crime that involves a computer and a network. The computer may have been used in the commission of a crime or it may be the target. Cybercrime may threaten a person, company and financial health.

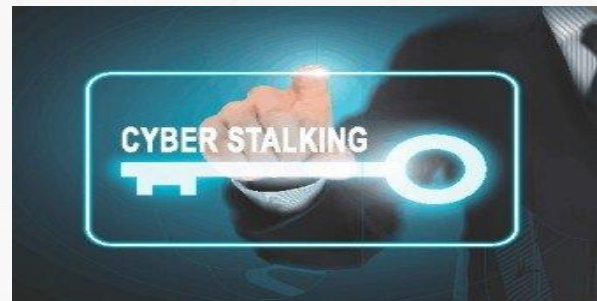
Types of Cyber Crimes



Malware: Malware, short for malicious software, is a blanket term for viruses, worms, trojans and other harmful computer programs hackers use to wreak destruction and gain access to sensitive information.



Ransomware: Ransomware is a type of computer malware that encrypts the files, storage media on communication devices like desktops, Laptops, Mobile phones etc., holding data/information as a hostage. The victim is asked to pay the demanded ransom to get his device decrypts.



Cyberstalking: Cyber stalking is the use of electronic communication by a person to follow a person or attempts to contact a person to foster personal interaction repeatedly despite a clear indication of disinterest by such person; or monitors the internet, email or any other form of electronic communication commits the offence of stalking.



Debit/Credit Card Fraud: Credit card or debit card fraud involves an unauthorized use of another's credit or debit card information for the purpose of purchases or withdrawing funds from it.

The information leaked included names, phone numbers, addresses, birth dates and email addresses of users ranging from tourists, CEOs, celebrities and government employees. However, the details of the credit cards were not breached.

After the cybersecurity incident got revealed, immediately MGM notified the impacted individuals. In February, once again there was a data breach and as a result, information of MGM hotel users was published openly on an accessible forum.

CYBER ATTACKS

ZOOM APP

MGM HOTEL



Impact: Details of over 10.6 million users revealed.

Impact: Reputation and brand image damaged.

In February 2020, the personal details of more than 10.6 million guests who stayed at MGM Resorts hotels was leaked on a hacking forum.

In April 2020, Zoom, a famous video conferencing app was amid a controversy.

During coronavirus, as stay-at-home orders were put into practice across the globe to limit the spread of the disease, the use of video conferencing apps

increased, and Zoom was among the most used ones.

In April, there was an attack, where people with bad intentions could join the private meetings, read conversations, and screen share images of whatever they wanted, mainly sort of offensive, like adult or shock videos. later on, Zoom improved the security of their Zoom meetings as well.

CYBER SAFETY TIPS FOR AWARENESS

1) You are a target to hackers



Do not ever say, "It won't happen to me." We are all at risk and the stakes are high - both for your personal and financial well-being and for the university's standing and reputation. Cybersecurity is everyone's responsibility.

2) Keep software up to date

Installing software updates for your operating system and programs is

critical. Always install the latest security updates for your devices. Turn on Automatic Updates for your operating system.

3) Avoid Phishing scams - beware of suspicious emails and phone calls

Phishing scams are a constant threat - using various social engineering ploys, cyber-criminals will attempt to trick you into divulging personal information such as your login ID and password, banking or credit card information.



Phishing scams can be carried out by phone, text or through social networking sites - but most commonly by email.

Be suspicious of any official-looking email message or phone call that asks for personal or financial information.

4) Practice good password management

We all have too many passwords to manage - and it is easy to take short-cuts, like reusing the same password. A

password manager can help you to maintain strong unique passwords for all your accounts. These programs can generate strong passwords for you, enter credentials automatically and remind you to update your passwords periodically.

UC Berkeley offers free LastPass Premium to all users with a CalNet ID.

5) Be careful what you click

Avoid visiting unknown websites or downloading software from untrusted sources. These sites often host malware that will automatically install (often silently) and compromise your computer.

If attachments or links in the email are unexpected or suspicious for any reason, do not click on it.

ISO recommends using Click-to-Play or NoScript, browser add-on features that prevent the automatic download of plug-in content (e.g., Java, Flash) and scripts that can harbour malicious code.

6) Never leave devices unattended

The physical security of your devices is just as important as their technical security.

If you need to leave your laptop, phone, or tablet for any length of time - lock it up so no one else can use it.

If you keep protected data on a flash drive or external hard drive, make sure

they are encrypted and locked up as well.

For desktop computers, lock your screen or shut-down the system when not in use.

7) Safeguard Protected Data

Be aware of Protected Data that you come into contact with and its associated restrictions. Review the UCB Data Classification Standard to understand data protection level requirements.

In general:

Keep high-level Protected Data (e.g., SSN's credit card information, student records, health information etc.) off your workstation, laptop or mobile devices.



Securely remove sensitive data files from your system when they are no longer needed.

Always use encryption when storing or transmitting sensitive data.

8) Use mobile devices safely

Considering how much we rely on our mobile devices and how susceptible they are to attack; you'll want to make sure you are protected:

Lock your device with a PIN or password - and never leave it unprotected in public.



Only install apps from trusted sources (Apple AppStore, Google Play).

Keep the device's operating system up to date.

Don't click on links or attachments from unsolicited emails or texts.

Avoid transmitting or storing personal information on the device.

Most handheld devices are capable of employing data encryption - consult your device's documentation for available options.

Use Apple's Find my iPhone or the Android Device Manager tools to help prevent loss or theft.

9) Install antivirus/anti-malware protection

Only install programs from a known and trusted source. Keep virus definitions, engines and software up to date to ensure your programs remains effective.

10) Back up your data

Back up regularly - if you are a victim of a security incident, the only guaranteed way to repair your computer is to erase and re-install the system.

Edited and compiled by:

1. HETVI GODHANI – Sem 5, Computer Dept.
2. NISHCHAY GOHEL – Sem 5, Computer Dept.
3. NIRAV GOHEL – Sem 5, Computer Dept.

CONTACT INFORMATION

COMPUTER ENGINEERING
DEPARTMENT
GOVERNMENT POLYTECHNIC,
JAMNAGAR
VALSURA ROAD, PO. BEDI, JAMNAGAR
DIST: JAMNAGAR - 361009
STATE: GUJARAT, INDIA

WEBSITE:

1. <http://www.gpjm.cteguj.in/programs/detail/205>
2. <https://gpjcomp.wordpress.com/>

EDITOR

It is my privilege and honor as the Editor-in-chief for the newsletter of Computer Department at Government Polytechnic, Jamnagar.

The main agenda of the newsletter is to provide insights of department like academics and other activities happening at department. Some knowledge regarding current technology etc.

- Ms. PAYAL V. PATEL