



NEWSLETTER
2020

COMPUTER ENGINEERING DEPT.
GEC, GANDHINAGAR

JUNE TO
DECEMBER
2020

Message From Our Principal

Dear faculty, staff & students,

“To those who see with loving eyes, life is beautiful.

To those who speak with tender voices, life is peaceful.

To those who help with gentle hands, life is full.

And to those who care with compassionate hearts, life is good beyond all measure!”

I Dr. Sweta P. Dave as the principal of the prestigious educational organization, Government Engineering college of Gandhinagar, with a compassionate heart invites you to have an initial peak of our organization's vision & values.

Government Engineering College Gandhinagar primarily stands to nurture the shelved potential hidden in the young talent. We intend to provide a platform for the students to let out their creativity and channelize their knowledge and young inspirational energy.

At GEC Gandhinagar, the joyful experience of academics and the energetic bursts of co-curricular activities integrate to create an all-round experience for fellow students and attendees. Our highly qualifies faculties and management makes sure our fellow students become capable to stand out of the competition in the outside world.

We believe in not only educating but also empowering our students to make sure they feel like the representatives of our prestigious organization and create a meaningful experience for them during their time period at the college

GEC Gandhinagar brings a holistic academic as well as a practical approach for the students to become compatible and knowledgable to the market needs.

“Education is not the learning of facts, but it is the training of the mind that how to think” - Albert Einstein.

And we believe in this statement a lot, our faculties are well qualified and highly trained to deliver the knowledge in a playful form and not letting students just to mug up.

At last, I want to convey that we focus on the overall development of our students. We also look after the staff members and the college resources to provide students with the highest quality of academics value. I will heartily invite you to join our prestigious organization and become a part of our family.

- Dr. Sweta Dave

Principal of GEC, Gn



Message From Our HOD



The Department of Computer Engineering, established in 2004, has recorded a consistent improvement in its academic, research, and placement performance till now. I am elated to tell you that the department stands on the strength of experienced and well-qualified faculty who are very dedicated to teaching and also involved in the up-gradation of knowledge. Their research experience will help to cultivate the future of our students.

The B.E. Computer engineering program includes computer operations on different languages, data generation, collection and utilization of information. The course imparts all the basics as well as the latest knowledge pertaining to the rapidly developing field of computers. The course is designed to keep students at pace with the practical field. The mission of the department is to produce and impart theory, principles, practice, and know-importance of computing in the information age. This is required for the critical analysis, design, evolution, and improvement of the computing system in the context of computers and industry services.

To provide students with a strong foundation in the mathematical, scientific, and engineering fundamentals necessary to formulate, solve and analyze engineering problems and to prepare them for graduate studies.

Design, development, testing, and evaluating computer based systems by applying standard software engineering practices and strategies in the area of algorithms, web design, data structure, and computer network are the Program-specific outcomes.

- Dr. D.A. Parikh
HOD CE Dept.

WHAT IS COVERED IN **THIS ISSUES**

01. About GEC
Gandhinagar

05. Events &
Activities

02. About CE
Department

06. Student
Achievement

03. Vision, Mission,
PEO & PSO

07. Creative
Corner

04. Resources

08. Faculties



Ideology Of College

Established in 2004, Government Engineering College, Gandhinagar (GEC-Gn) takes pride in its highly motivated students. Our students are life-long assets that help this institute to continuously evolve and work towards its Vision.

Vision

To be a premier engineering institution, imparting quality education for innovative solutions relevant to society and environment.

Mission

To develop human potential to its fullest extent so that intellectual and innovative engineers can emerge in a wide range of professions.

To advance knowledge and educate students in engineering and other areas of scholarship that will best serve the nation and the world in future.

To produce quality engineers, entrepreneurs and leaders to meet the present and future needs of society as well as environment.

About CE Department

Department of Computer Engineering is well posed to cater the needs of the course. It is equipped with well-developed laboratories to satisfy the course curriculum of various subjects related especially to the Computer field.

Vision

To be a premier engineering in situation, imparting quality education for innovative solutions relevant to society and environment

Mission

- To produce computer science and engineering graduates according to the needs of industry, government, society and scientific community.
- To develop partnership with industries, government agencies and R & D Organizations
- To motivate students/graduates to be entrepreneurs.
- To motivate students to participate in reputed conferences, workshops, symposiums, seminars and related technical activities.



Program Educational Outcomes

- To provide students with a strong foundation in the mathematical, scientific and engineering fundamentals necessary to formulate, solve and analyze engineering problems and to prepare them for graduate studies, R&D, consultancy and higher learning.
- To develop an ability to analyze the requirements of the software, understand the technical specifications, design and provide novel engineering solutions and efficient product designs.
- To provide exposure to emerging cutting edge technologies, adequate training & opportunities to work as teams on multidisciplinary projects with effective communication skills and leadership qualities.
- To prepare the students for a successful career and work with values & social concern bridging the digital divide and meeting the requirements of Indian and multinational companies.
- To promote student awareness on the life-long learning and to introduce them to professional ethics and codes of professional practice

Design ,develop, test and evaluate computer based systems by applying standard software engineering practices and strategies in the area of algorithms, web design, data structure, and computer network ●

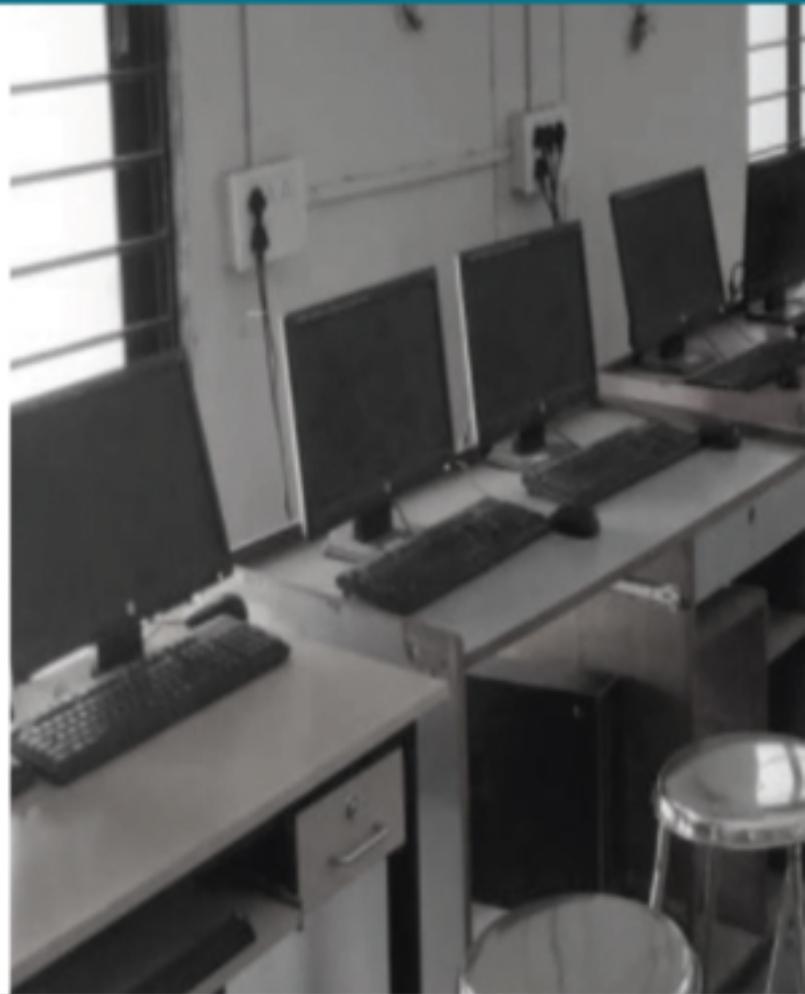
Apply knowledge of ethical principles required to work in a team as well as to lead a team ●

Program Specific Outcomes

Resources & Facilities

Programming Lab

The laboratories are equipped with a number of desktop computers. The current software resources includes open source programming SDKs. The lab is used for the course subjects like C, C++ programming etc.



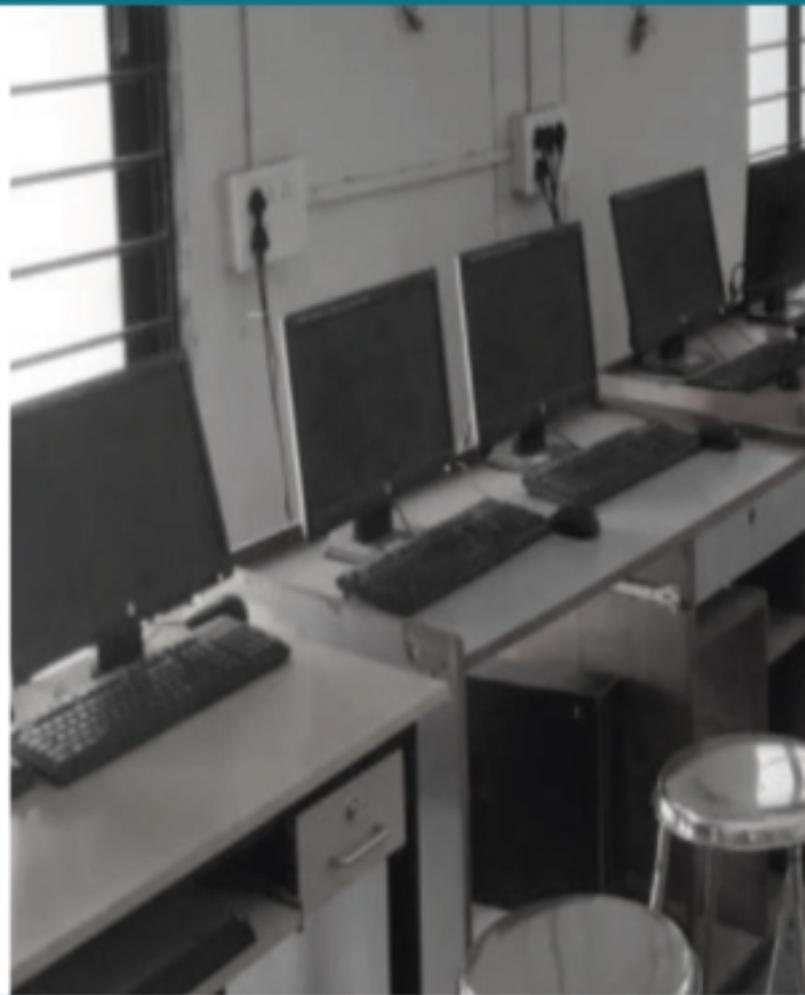
Database Lab

A database management system (DBMS) is computer application software that provides a way to manage data. The requirement of modern days is to have an automated system that manages, modifies and updates data accurately. This is achieved by a DBMS in robust, correct and non redundant way. DBMS lab aims at practicing and achieving this aim by using various softwares such as SQL, ORACLE, and MS - Access etc.

Resources & Facilities

Applicationn Dev. Lab

Website Development includes both designing (front end user interface) and code development (back end) including database managment and dynamic functionality of website as per the user actions. Although we work with various tools/languages to achiveve this functionality such as ASP.NET, PHP, JSP but we primarily focus on .NET.



P.G. Research Lab

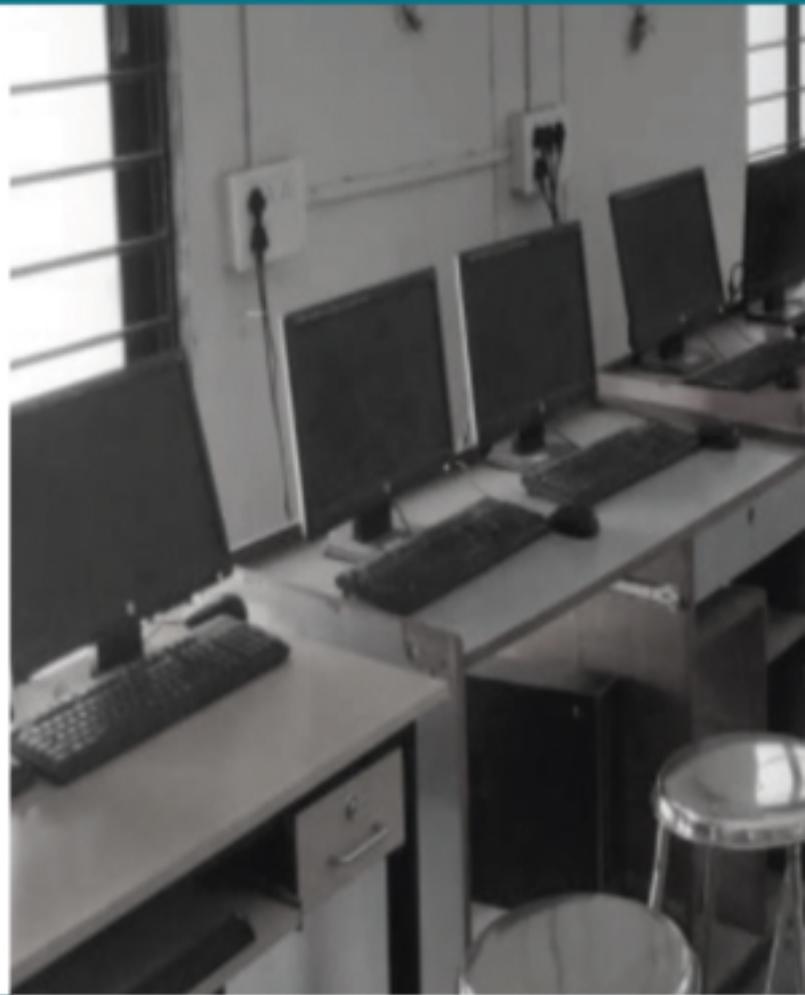
The ability of a computer or other machine to perform those activities that are normally thought to require intelligence. The branch of computer science concerned with the development of machines having this ability. Early AI projects, such as playing chess and solving mathematical problems, are now seen as trivial compared to visual pattern recognition, complex decision making, and the use of natural language.



Resources & Facilities

Network Lab

Networking is a key area in the field of computers that deals with the physical connectivity of computers which is monitored by a combination of special hardware and software. The course curriculum provides from the coverage of basics to advanced applications and services, while providing a platform for hands-on practical experience and soft-skills enhancement.



OOP Lab

The laboratory is equipped with a number of desktop computers. The current software resources include a number of Object Oriented Programming SDKs, Integrated Development Environment like Eclipse, EditPlus etc. and Object Oriented Software Engineering tools.



WELCOME THE BRAND NEW WEBSITE

Government Engineering College, Gandhinagar

Approved by AICTE
Affiliated to GTU
Administered by GOG

Departments * Academics * Gallery Useful Links * Contact Us

GOVERNMENT ENGINEERING COLLEGE
ગણધર ઇજનેરી કોલેજ
સેક્ટર-૦૬, ગણધર નગર

COMPUTER ENGINEERING

Undergraduate / Postgraduate Programmes

Program	Bachelor of Computer Engineering	Master of Computer Engineering
Head of department	Dr. Dhaval Parth	Dr. Dhaval Parth
Year of starting	2004	2004
Level	UG	PG
Intake	130	18

Vision

✓To achieve excellence for providing value based education in Computer Engineering through innovation, team work and ethical practices.

About

Established in 2004, Government Engineering (GEC-Gn) takes pride in its highly motivated staff and students who are life-long assets that help this institute to work towards its Vision. Approved by AICTE and administered by Directorate of Technical Education, Gandhinagar. GEC-Gn is affiliated to Gujarat University. GEC-Gn offers its students a wide range of programs to choose from. This helps them to become successful in their careers.

- Computer Engineering
- Program Details
- Faculties
- Labs/Workshops
- Academic Calendar
- Curriculum
- Events
- Time Table

DEVELOPED INCLUSIVELY BY OUR DEPARTMENT

Kudos to the Great

Web Development Team

behind the scenes

Website coordinator - Prof. Viral Patel



Mr. Dipak Prajapati
8 Sem CE



Mr. Sachin Jangir
6 Sem CE



Dr. Shweta Dave
Principal



Prof. J.S.Dhobi
HoD, CE



Dr. D.A.Parikh



Dr. Pinal Patel
Website Convener

Welcome the
brand new
institute website

<http://beta2.gecg28.ac.in/>

Developed by CE Dept.

Mr. Harshikesh Bhadaniya
6 Sem CE



Mr. Hardik Kardam
6 Sem CE



Mr. Jay Parmar
6 Sem CE



EVENTS & ACTIVITIES

1. Webinar Week

Behind The Scenes

People who handled...



Dr. Sweta Dave
Principal



Dr. D. A. Parikh
H. O. D.



Prof. J. S. Dhobi
Faciliator



Prof. Pinal Patel
Event Coordinator

Student Co-ordinators



Aayushi K. Patel
6th Sem (CE)



Akhil J. Jethva
8th Sem (CE)

Our Calender

Aug - Sep 2020 -

TUE	WED	THU	FRI	SAT
1	2	3	4	5
How To Crack Technical Interviews? 2:45 - 4:15pm	Concepts and Implementation of RDBMS(ORACLE) 2:45 - 5:30pm	Machine Learning with MATLAB 1:45 - 4:15pm	Career Options & Growth After College 1:45 - 3:45pm	Regression & Modeling with Python GUI 1:45 - 4pm

September 1, 2020 (Tuesday)

GEC Gandhinagar Presents

LIVE WEBINAR

How to crack Technical Interviews at tech giants

Topics to be discussed:

- How to Crack the Interviews (Technical + HR).
- How to counter difficult coding questions in interview.
- How to speak comfortably in English even though if it is not our preferred language.

Presented by:



Raj Shah
CE - B.E.
2020 Passout
GEC-Gs

Issues:

- Resources to prepare and practice for coding.
- How to get job offers from LinkedIn?

Chief Regards to:

Prof. D.A Parikh (HOD) Prof. Pinal Patel (Faculty Coordinator)

Click Here Or
TO JOIN THE CONVERSATION VISIT: <https://meet.google.com/vqg-mqaa-dry>

▶ **SEPTEMBER 1, 2020 AT 3PM-4PM**

For more information and registration:
<https://forms.gle/ncJh16axAyr1Rjkw6>

For more info:
cedpt.gecgn@gmail.com

Glimpse of Event

Government Engineering College
Gandhinagar

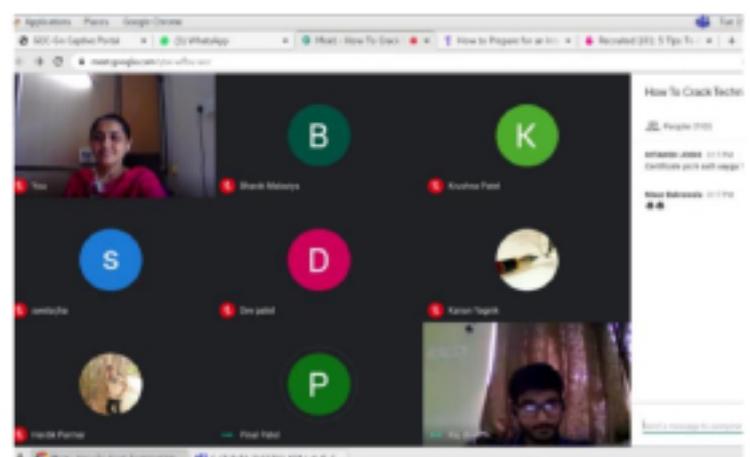
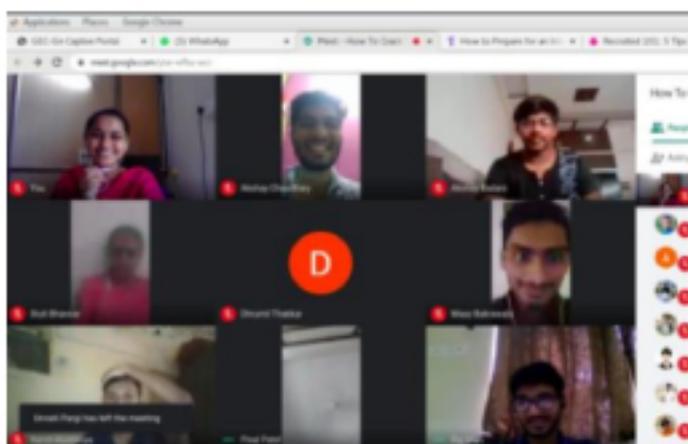
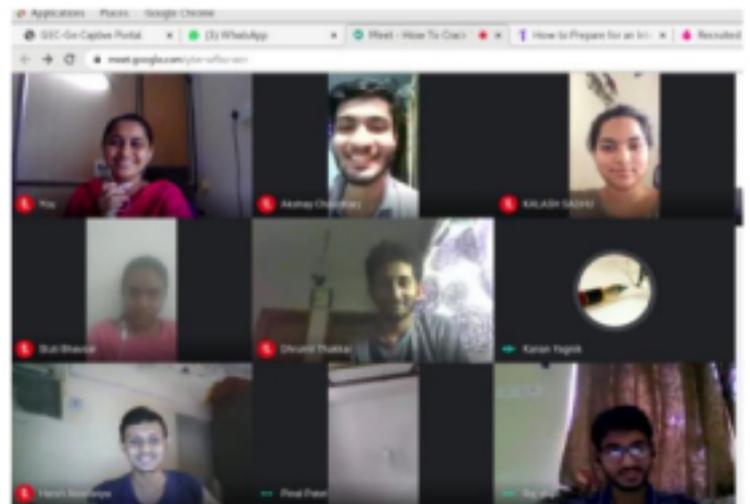
Certificate of Participation

This is to certify that
Raj Shah
has actively participated in LIVE WEBINAR on
HOW TO CRACK TECHNICAL INTERVIEWS
on 1st September organized by
Department of Computer Engineering & Information Technology
Government Engineering College, Gandhinagar.

Raj Shah
Raj Shah
Presenter

Pinal Patel
Prof. Pinal Patel
Faculty Coordinator

D. A. Parikh
Prof. D. A. Parikh
Head Of Department





CONCEPTS AND IMPLEMENTATION OF RDBMS (ORACLE)

WHAT?

- RDBMS and its concepts
- Implementing in project
- Types of queries and their use
- Queries verses codes

WHY?

- Enhance database concepts & queries
- Real-Time use of DBMS
- Walk-through of ORACLE Database

WHERE?

- Google Meet
- Link: [Click here!](#) Or
- <https://meet.google.com/rv-k-rxq-3pc>

WHEN?

- Wednesday
- 2nd September 2020
- Time : 3:00 PM to 5:00 PM IST
- Duration : 2 Hours

WHO?

- Faculties
- Students
- from CE/IT Department

HOW?

- Fill the form
- [Click to Register Now!](#) Or
- <https://forms.gle/XPYPFU2GubTHc8b57>

ORGANIZED BY



**COMPUTER ENGINEERING DEPARTMENT
GEC - GN**

HOD **PROF. D. A. PARIKH**

FACULTY COORDINATOR **PROF. PINAL PATEL**

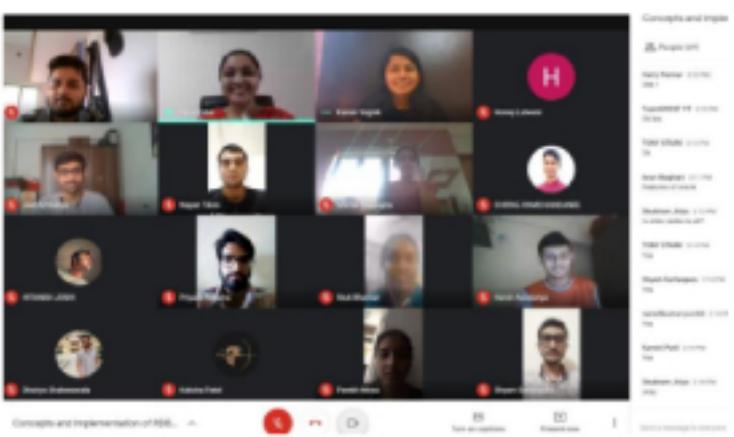
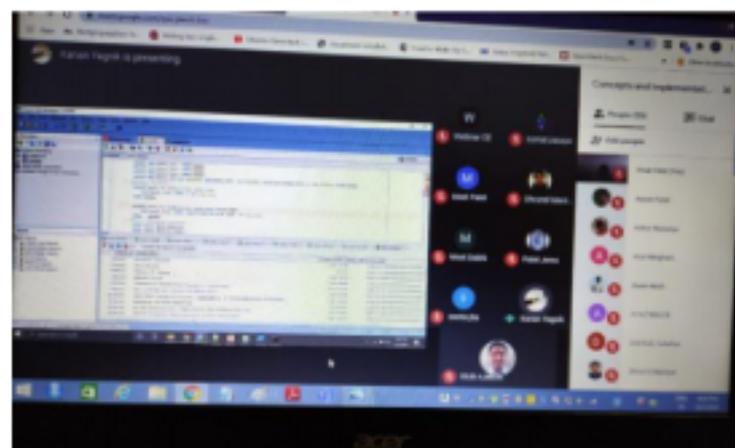
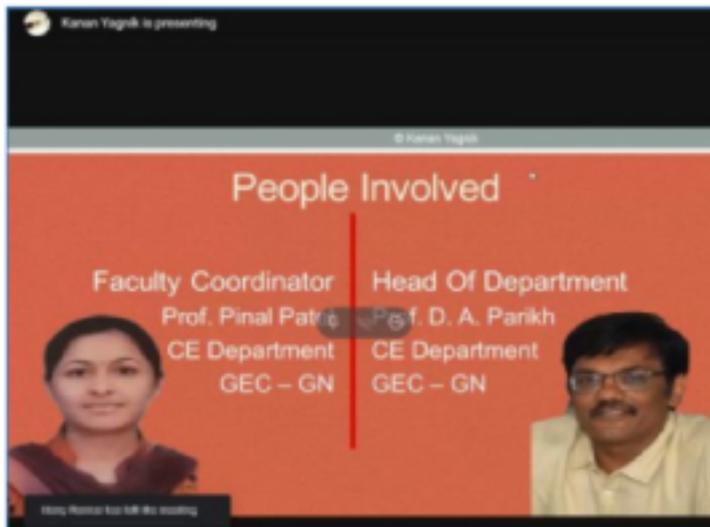
SPEAKER



Kanan Yagnik
CE - B.E.
2020 Passout
GEC - GN



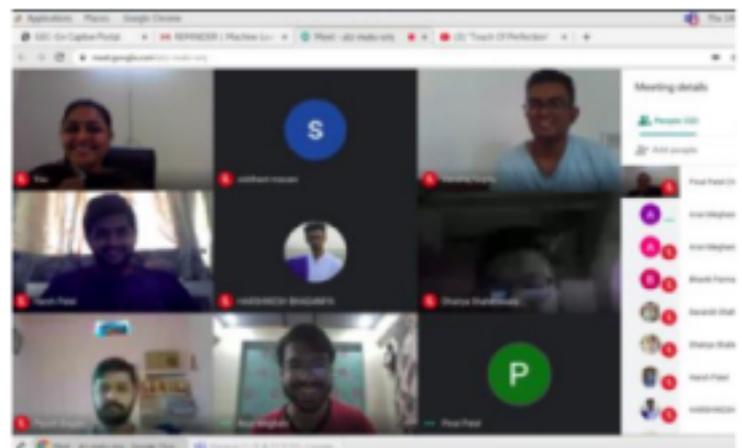
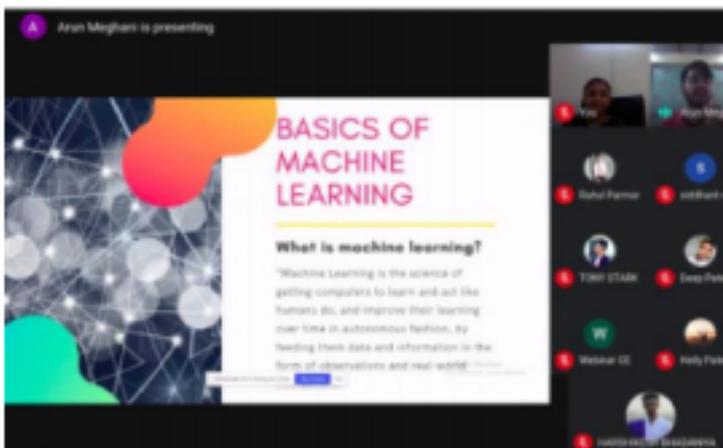
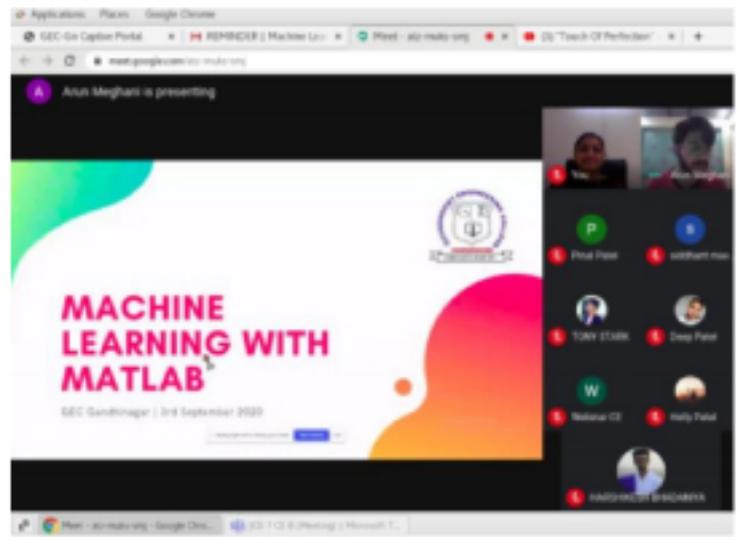

Glimpse of Event



MACHINE LEARNING AND MATLAB

<p>ORGANIZED BY</p>  <p>C.E. Department GEC-CN</p> <p>HOD :- PROF. D.A. PARIKH FACULTY :- PROF. PINAL PATEL</p> <p>SPEAKER</p>  <p>ARUN MEGHANI C.E.-B.E. 2018 BATCH GEC-CN</p>	<p>WHAT?</p> <ul style="list-style-type: none"> • Machine Learning basics • Maths prerequisites • Predicting mobile price using linear regression • Matlab and ML <p>HOW?</p> <ul style="list-style-type: none"> • Fill The Below Given Google Form to register • https://forms.gle/7E3oT88qXiVX7Tew7 	<p>WHEN AND WHERE?</p> <ul style="list-style-type: none"> • 3rd Sep(Thursday) • Time:- 2:00 PM- 4:00 PM • "Google meet link " • https://meet.google.com/nzy-izcu-msn <p>WHO?</p> <ul style="list-style-type: none"> • Faculties • Students • From C.E./I.T. Department
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Glimpse of Event



Career Options & Growth After College

LIVE WEBINAR

Mark the Date

04 Sept

2:00 pm to 3:30 pm



Topics to be covered

1. What are the Career Options after college
2. How to be successful in every career option
3. Getting first job and growth in Corporate World
4. Must have skills & etiquette for a good career
5. My Learnings and Journey in the Startup World

Why you should attain

1. Explore the un-explored verticals of career
2. Know exactly how to grow in every career path
3. You will come to know what you should be doing in last year of college, how to craft your resume etc.
4. Peripheral learnings in college

Organised By GEC,Gn CE Dept



DR. D.A.Parikh
HOD

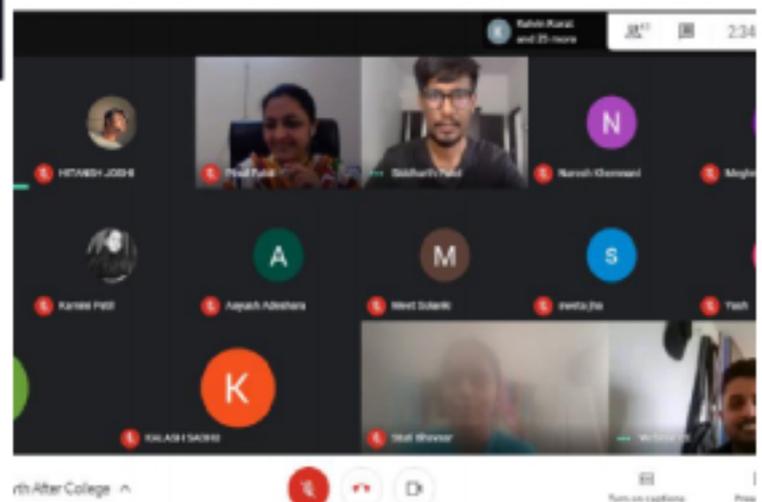
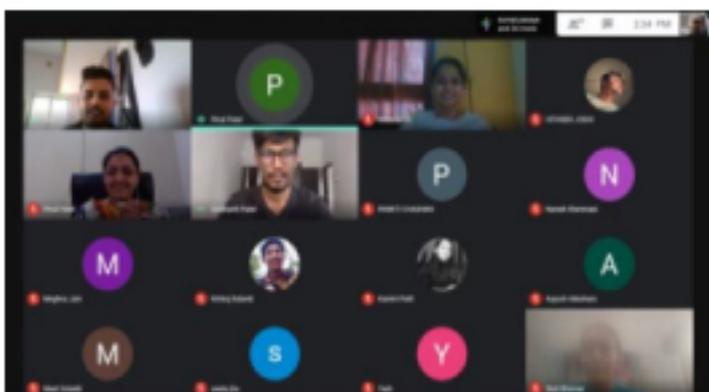
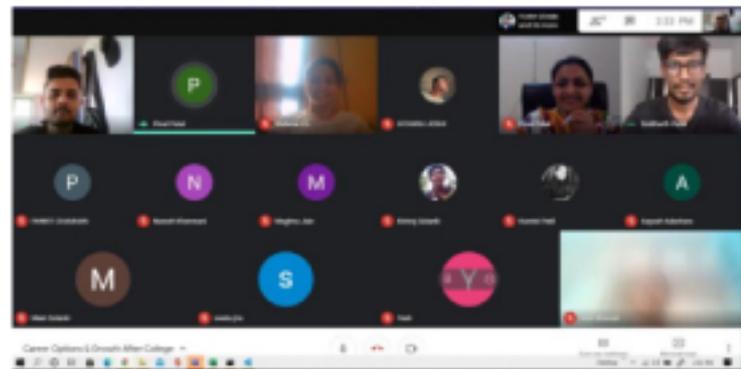


Prof. J.S.Dhobi
Facilitator



Prof. Pinal Patel
Faculty Coordinator

Glimpse of Event



GEC Gandhinagar Presents

LIVE WEBINAR

Regression & Modeling With Python GUI

Topics to be covered:

- Introduction & Basics of Python
- Introduction & Hands on Python GUI
- Regression & Modeling
- Hands on Implementation of Regression with GUI
- Small Fun Quiz

Key Takeaways:

- Usefulness of Python in Data Science
- Job Opportunities in Python Programming

Chief Regards to:

Prof.D.A.Parikh
[HOD]
Prof.Pinal Patel
[Faculty Coordinator]

Date: - 9th September
Time: - 2:00P.M. - 3:00PM

Presenter



Sumit Khamar
B.E. (C.E.)
HAB50 Runners Up

TO JOIN WEBINAR VISIT :
<https://meet.google.com/jnk-xikf-vei>

For More Information and Registration:
<https://forms.gle/mQ59FVWz3KNG7e2N7>

For More Info :- cedpt@gecgn@gmail.com Mo: - (+91)8141356890

Glimpse of Event

**Government Engineering College
Gandhinagar**

Certificate of Participation

This is to certify that
Sumit Khamar
has actively participated in LIVE WEBINAR on
REGRESSION & MODELING WITH PYTHON GUI
on 9th September organized by
Department of Computer Engineering & Information Technology
Government Engineering College, Gandhinagar.


Sumit Khamar
Presenter


Prof. Pinal Patel
Faculty Coordinator


Prof. D. A. Parikh
Head Of Department

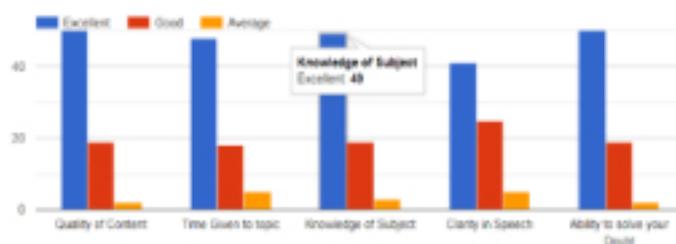
REGRESSION & MODELING WITH PYTHON GUI

Chief Regards To :

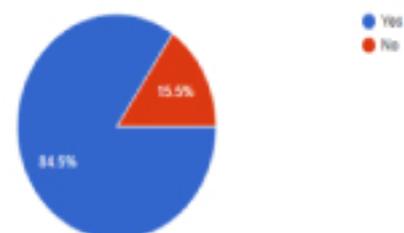
Prof.D.A.Parikh
[H.O.D]
Prof. Pinal Patel
[Faculty Coordinator]

Presented By: -
Sumit Khamar

How Do You Rate the Presenter



Do You want the presenter to conduct another lecture on any of this topic in detail?
71 responses



Behind The Scenes

People who handled...



Dr. Sweta Dave
Principal



Dr. D. A. Parikh
H. O. D.



Prof. J. S. Dhobi
Faciliator



Prof. Pinal Patel
Event Coordinator

Student Co-ordinators

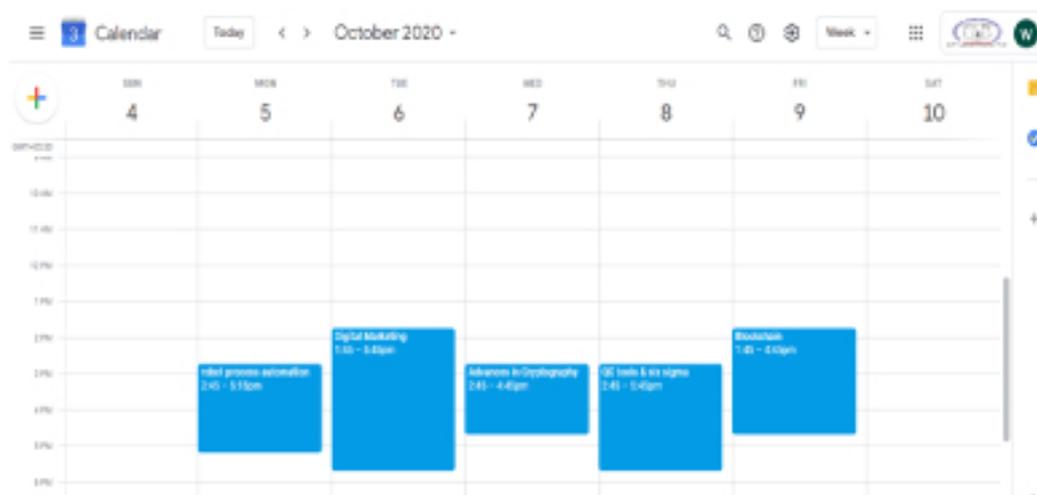


Aayushi K. Patel
6th Sem (CE)



Akhil J. Jethva
8th Sem (CE)

Our Calender





Glimps of Event

GENERAL PARADIGM

Data

Answers

$$y = f(x) = w_0 + w_1x$$

$$w_0 = 0$$

$$w_1 = 2$$

x	y ₁	y ₂	y ₃
1	2	1	3
4	4	8	
6	9	15	
8	16	24	
10	20	35	
6	12	30	40
7	14	49	60

- All problems are data
- We wish to establish relationship between input and output data
- We call this relationship a **hypothesis** or **mapping function**
- The function has two parts:
 - Form: $y = h(x) = w_0 + w_1x_1 + w_2x_2 + w_3x_1x_2$
 - Parameters: (w_0, w_1, w_2, w_3)
- ML learns only the parameters

REFERENCE BOOKS

- **Pattern Recognition and Machine Learning**, C. Bishop, Springer 2009
- **Deep Learning**, Goodfellow, Bengio, Courville, MIT Press, 2016
- **Deep Learning with Python**, Chollet, Manning Publications, 2017

L-Introduction

SINCE INCEPTION

in

Monthly Active Users: **303 Million**

Total Registered Users: **33 Million**

U.S. based users: **5.3 Million**

Age 18-24 users: **13 minutes**

👤

Monthly Active Users: **303 Million**

Total Registered Users: **109 Million**

U.S. based users: **10 Billion**

Age 18-24 users: **3 Billion**

📌

Monthly Active Users: **291 Million**

Total Registered Users: **1 Billion**

U.S. based users: **14 minutes**

Age 18-24 users: **175 Billion**

G+

Monthly Active Users: **395 Million**

Total Registered Users: **2 Billion**

U.S. based users: **55%**

Age 18-24 users: **28%**

Rank: **#5**

📍

Monthly Active Users: **9.3 Million**

Total Registered Users: **10 Million**

Daily Active Users: **1.9 Million**

Daily consumed video: **350k hrs.**

Rank: **#12**



5TH OCT 3:00 TO 4:30 PM 2020

A talk on **Robot Process Automation**

CONDUCTED BY

Mr. Ashutosh Sharma
Lead Automation Developer - Scholastic

Talk Series TECHNO WEB
Brought to you By CE Dept. GEC Gandhinagar

Reg Link : <https://forms.gle/vLWCGD3bNCHPrGk6>
Google Meet Link : <https://gce.de/bbkaaG>

Dr. Sweeta Dave (Principal), Dr. D.A. Parikh (H.O.D. CE Dept), Prof. J.S. Dhobi (Faculty), Prof. Pinal Patel (Event Coordinator)

Glimps of Event

Government Engineering College Gandhinagar

Certificate of Participation

This is to certify that **Mr. Ashutosh Sharma** has actively participated in **TECHNO WEB TALK SERIES** on **Robot Process Automation** on 5th October presented by Mr. Ashutosh Sharma organized by Department of Computer Engineering Government Engineering College, Gandhinagar.

Sweeta Dave, Principal
Prof. Pinal Patel, Faculty Coordinator
Prof. D. A. Parikh, Head of Department



ASHUTOSH SHARMA is presenting

Famous RPA Tools

- UiPath**
 - Very easy and user friendly
 - UiPath provides a visual designer which aids the speed of implementation of any project
- Automation Anywhere**
 - Reliable, scalable and has a lot of features to implement
 - This has a trial version for people to use and learn the tool
- Blue Prism**
 - Highly reliable and scalable.
 - No free version available to learn, its fully paid.

robot process automation

6th October, 2020 (Monday)

6TH OCT 2020 3:00 TO 5:00 PM

A talk on
Digital Marketing
Dependency to Digital Independency

CONDUCTED BY

Viraj & Siddharth
Co-Founders at Digipple

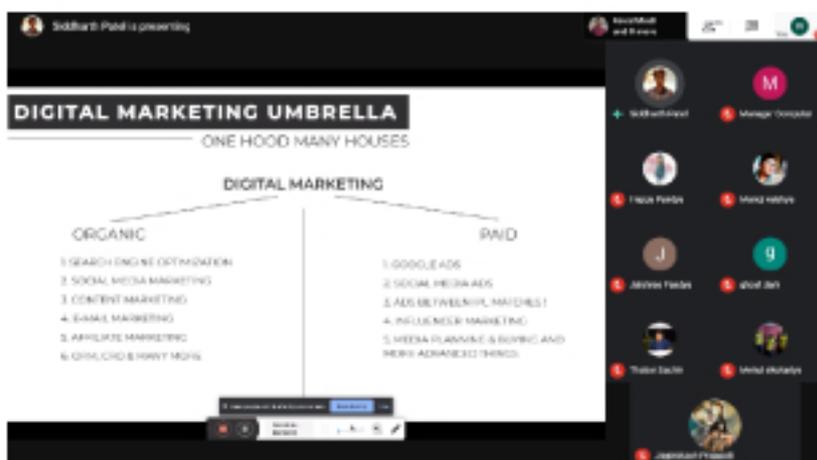
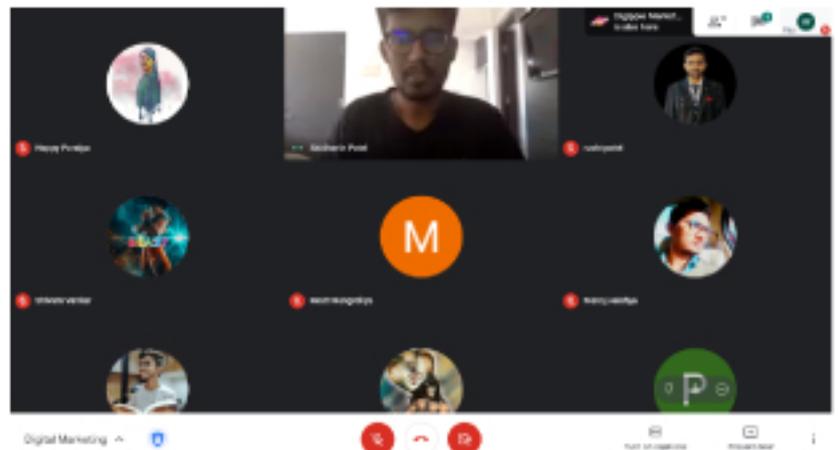
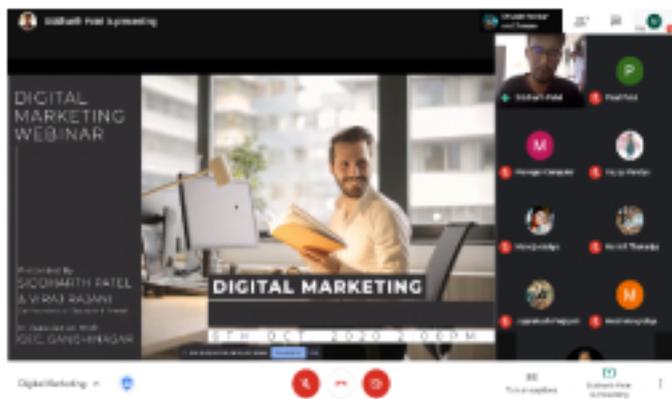
Talk Series
TECHNO WEB

Brought to you By CE Dept. GEC Gandhinagar

Reg Link : <https://forms.gle/towQyubRyqMoyCac9>
Google Meet Link : <https://gmeet.de/5bkkadH>

Dr. Sweta Dave (Principal), Dr. D.A. Parikh (Head of Dept), Prof. J.S. Dhobi (Faculty), Prof. Pinal Patel (Faculty Coordinator)

Glimps of Event



7TH OCT 2020 3:00 TO 4:00 PM

A talk on **Advances in Cryptography**

CONDUCTED BY **Dr. Payal Chaudhari**
Assistant Professor, CE Department
PDP2: 04 Publications

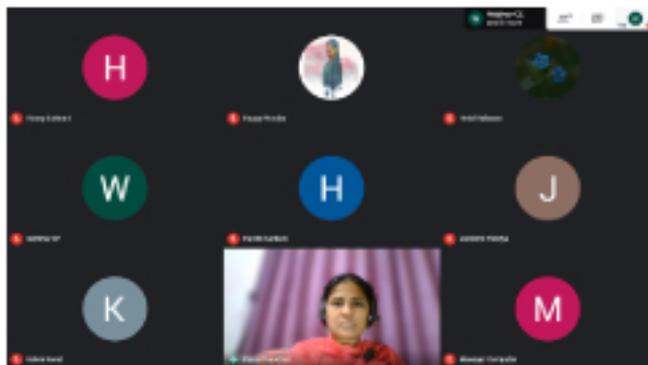
Talk Series TECHNO WEB

Brought to you By CE Dept, GEC Gandhinagar

Registration Link : <https://forms.gle/8qz70Ww4tUvM87>
Google Meet Link : <https://meet.google.com/ubkksaG>

Dr. Sweta Dave, Dr. D.A. Parikh, Prof. J.S. Dhobi, Prof. Pinal Patel

Glimps of Event



Homomorphic Encryption

- **Homomorphic encryption** is a form of encryption that allows computation on ciphertext, generating an encrypted result which, when decrypted, matches the result of the operations as if they had been performed on the plaintext.
- Its objective is to allow computation on encrypted data without compromising its security.
- Useful for computing on cloud data storage which is in encrypted format.

The trusted authority is responsible to setup the system.

Diagram illustrating the setup process:

- Trusted Authority (TA) sends pk to each user.
- Trusted Authority (TA) sends sk to the server.
- Trusted Authority (TA) sends pk to each user.
- Trusted Authority (TA) sends sk to the server.

Government Engineering College Gandhinagar

Certificate of Participation

This is to certify that **Dr. Payal Chaudhari** has actively participated in **TECHNO WEB TALK SERIES** on **Advances in Cryptography** on 7th October presented by Dr. Payal Chaudhari organized by Department of Computer Engineering Government Engineering College, Gandhinagar.

Sweta Dave
Sweta Dave
Principal

Pinal Patel
Prof. Pinal Patel
Faculty Coordinator

D.A. Parikh
Prof. D. A. Parikh
Head Of Department

The CP-ABE Scheme

Diagram illustrating the CP-ABE Scheme:

- Authority issues keys to Employees (Office in New York) and Professor (Office in Houston).
- Document 1 (Marketing) is encrypted with a policy: "Role = 'employee' AND 'Department' = 'Marketing' AND 'Office in New York'".
- Document 2 (Product) is encrypted with a policy: "Role = 'employee' AND 'Department' = 'Marketing' AND 'Office in New York'".
- Employees (Office in Houston) can access Document 1 (Marketing).
- Professor (Office in Houston) cannot access Document 1 (Marketing).

8th October, 2020 (Monday)

8TH OCT 3:00 TO 5:00 PM
2020

A talk on
QC tools &
six sigma Technology

CONDUCTED BY

Mr. Viraj Vyas
CEO | Computer Foundation, IIS
STATISIM

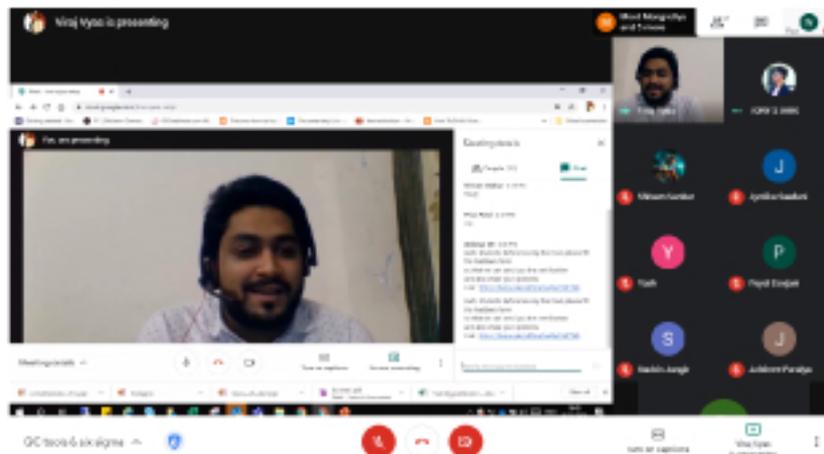
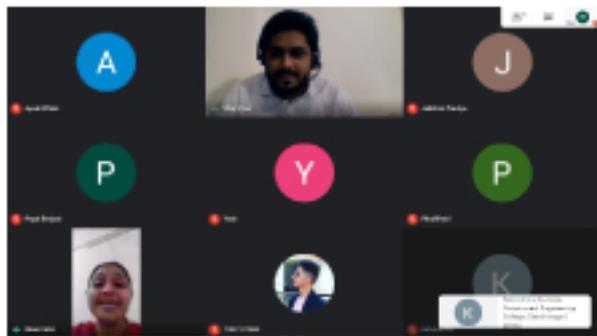
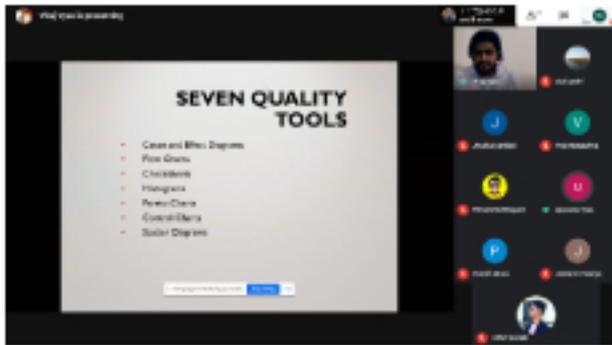
Talk Series
TECHNO
WEB

Brought to you By CE Dept, GEC Gandhinagar

Registration Link: <https://forms.gio/4K8qCC82x9T50ub>
Google Meet Link: <https://meet.google.com/bbkaav?>

Dr. Sweta Dave | Principal
Dr. D.A. Parikh | HOD, CE Dept
Prof. J.S. Dhabhi | Faculty
Prof. Pinal Patel | Dept. Coordinator

Glimps of Event



9TH OCT 2020 2:00 TO 4:00 AM

A talk on
Blockchain
transform bitcoin to the next Generation

CONDUCTED BY

Dr. Bela Shrimali
Assistant Professor, CE department
GEC Gandhinagar

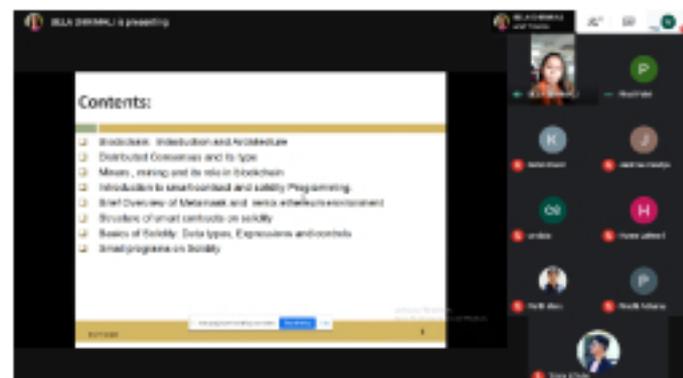
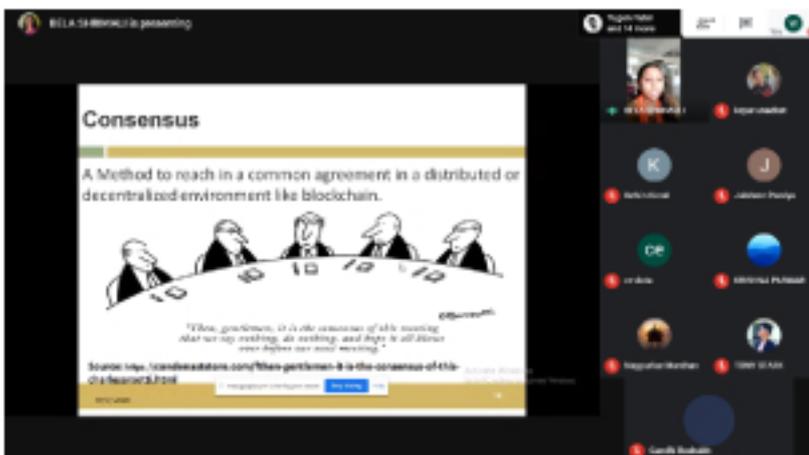
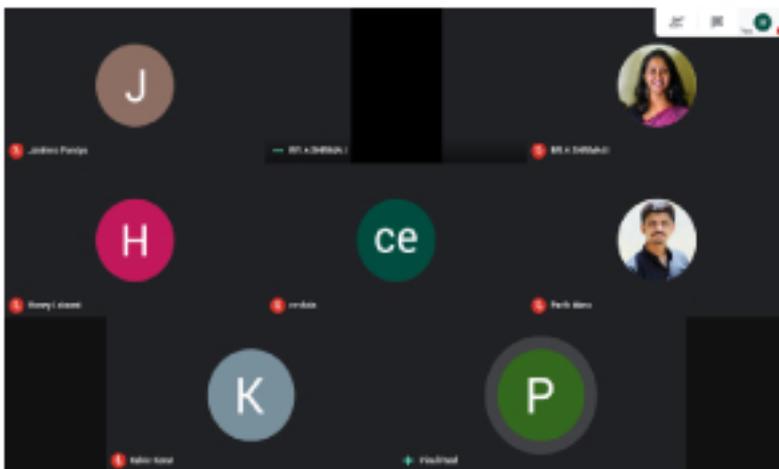
Talk Series
TECHNO WEB

Brought to you By CE Dept, GEC Gandhinagar

Registration Link: <https://forms.gle/5t5k7FAnQ35uPz8>
Google Meet Link: <https://gmeo.de/bbkafz>

Dr. Sweta Dave (Principal), Dr. D.A. Parikh (H.O.D. CE Dept), Prof. J.S. Dhobi (Faculty), Prof. Pinal Patel (Faculty Coordinator)

Glimps of Event



3. Faculty Development Programme on Cloud Technology

Cloud Technology 5-Days AICTE sponsored FDP was conducted from 2nd to 6th November 2020 in which around 133 participants from different parts of the country participated.

Speakers



1. Mr. Jay Vora

Managing Director

Serpent Consulting Services Pvt. Ltd., Gandhinagar, Gujarat.

Mr. Jay Vora has explained what is virtualization, what is cloud technology and the different types of cloud. He gave an overview of the Kubernetes systems, discussed the use and need of the cloud data centers and gave a few examples of the cloud data centers and discussed IBM global cloud data centers. He has explained various tools used for cloud technology. He discussed cloud monitoring and how we can use it. What are the cloud monitoring tools and cloud management tools explained by him.

He discussed various cloud platform services i.e. SAAS, PAAS, IAAS. He discussed how we can use different cloud service platforms and explain each in detail. Provided a few examples of different cloud providers like google cloud and amazon.

He discussed cloud examples like BitNaami and digital ocean.

He explained what an open stack and its key concept that we can use. File system used by the open stack. Explained the feature of open stack and its application.

2. Mr. Nitin Raval

Assistant Professor

CE Dept. GEC-GN



He explained the rhythm of life and how we can balance life, how we can understand life and make the full use of our life.



3. Mr. Suketu Nayak

CEO

Technologist &

Senior Corporate Trainer at GetWings Technologies Pvt. Ltd.
Ahmedabad, Gujarat.

He discussed cloud computing with the Microsoft Azure and how it is evolved and its features that can be used. He discussed the various collaboration partners. He explained the characteristics of the Microsoft Azure capabilities of the Microsoft Azure and the core services that we can use. He discussed AI and machine learning, data engineering and data science behind the Microsoft Azure.

4. Mr. Nilesh Vaghela

ElectroMech Corporation, AWS Advance Consulting Partner
RedHat Training and Sales Partner
302 New York Plaza, Ahmedabad



He explained the basic idea regarding cloud computing. He explained the Amazon Web Services and its features. He discussed AWS cloud architecture and its features. How people are benefiting from the features provided by AWS.

He explained what the functionalities that AWS cloud is providing are. He explained what security features are available in AWS cloud and how users can use these features.

Implemented one demo website using the AWS cloud architecture and its functionality.



All India Council for Technical Education, New Delhi
AICTE Training And Learning (ATAL) Academy



hosted by
**MES's Institute of Management and
 Career Courses (IMCC), Pune**

Inauguration Ceremony of 39 online ATAL FDPs



Dr. Vinay Sahasrabudhe
 Chariman, Parliamentary Standing
 Committee on HRD,
 Govt. of India, New Delhi,
 Chairman, ICCR, New Delhi



Prof. Anil Sahasrabudhe
 Chairman, AICTE, New Delhi



Dr Manish Gupta
 Director, Google Research India,
 Advisor, VideoKen, Infosys Foundation,
 Chair Professor, IIT Bangalore

In the gracious presence of



Prof. Rajive Kumar
 Member Secretary, AICTE, New Delhi



Prof. M. P. Poonia
 Vice-Chairman, AICTE, New Delhi



**Air Marshal
 Bhushan Gokhale (Retd.)**
 President, Maharashtra Education Society, Pune

Inauguration graced by

- Dr. Ravindra Kumar Soni**, Director, ATAL Academies, New Delhi
- Dr. Giridhari Lal Garg**, Assistant Director, ATAL Academies, New Delhi
- Dr. Ajeet Singh**, Regional Officer & Assistant Director, AICTE-WRO, Mumbai
- Ar. Rajeev Sahasrabudhe**, Chairman, Governing Body, MES, Pune

2nd November 2020 9.30 AM / MediaAICTE



The inauguration was held on 2nd November 2020 online at 09:00 am. Dr. Vinay Sahastra-buddhe, Prof. Anil Sahasrabudhe (Chairman, AICTE), Dr. Manish Gupta (Director, Google Research India) and Prof. Rajiv Kumar (Member Secretary, AICTE), Prof. M.P. Poonia (Vice Chairman , AICTE), Mr. Bhushan Ghokhale (Air marshal, President Maharashtra Education Society, Pune), and Coordinator chaired the function.

Also, Directors of different academies, our principal madam and AICTE official were also present with the participants.

AICTE SPONSORED, DTE APPROVED

ONE WEEK FDP ON CLOUD TECHNOLOGY

PRESENTED BY CE DEPARTMENT, GEC GN

02-06 NOV 2020

SPEAKERS FOR THE EVENT



DR. SWETA DAVE
CHIEF PATRON
PRINCIPAL, GEC GN

For more details, Contact

Coordinator - Dr. Dhaval Parikh -
daparikh@gecg28.ac.in

Co-coordinator - Prof. Pinal Patel -
pinalpatel@gecg28.ac.in



Mr. Suketu Nayak



Prof. Nitin Raval



Mr. Jay Vora



Mr. Nilesh Vaghela

ABOUT THE INSTITUTE

Government Engineering College, Gandhinagar since its inception in 2001 is a first minor state university. Moreover, it is a leading institute in terms of social initiatives and services with its 305 faculty. It provides an academic with innovative VLab initiatives, GEC - Go for a very good educational, group and consistent placement record. GEC-GN is an active participant in various government schemes and projects like SSIT, Digital India Campaign, etc.

ORGANIZING COMMITTEE

DR. SWETA DAVE (Principal, GEC, Gandhinagar)
Coordinator

DR. CH. R. A. PATEL (HOD - Computer Systems Department)
Co-Coordinator

DR. NILESH VAGHELA (Head of CE Dept.)
Team Member

DR. DHAVAL PARIKH (Head of CE Dept.)
Team Member

DR. NITIN RAVAL (Head of CE Dept.)
Team Member

DR. JAY VORA (Head of CE Dept.)
Team Member

DR. PINAL PATEL (Head of CE Dept.)
Team Member

DR. SURESH KUMAR (Head of CE Dept.)
Team Member

DR. SURESH KUMAR (Head of CE Dept.)
Team Member

OUTLINE OF CONTENT

- Introduction to Cloud Computing
- Understanding of AWS Cloud, Open stack Cloud, Microsoft Azure
- Various types and services of Cloud Computing
- Applications of Cloud Computing
- Best practices for Cloud Development

RESOURCE PERSONS

- External Experts: Resource Persons are from reputed and well-known Institutes, having rich experience, Academic background and having work experience in Amazon, Microsoft Azure and Open stack Cloud Platforms.

ACTE approved One Week, Two Based Level FDP On Cloud Computing

November 2-6, 2020

Organized by

Computer Engineering Department
Government Engineering College
Gandhinagar

Website: www.gecg28.ac.in

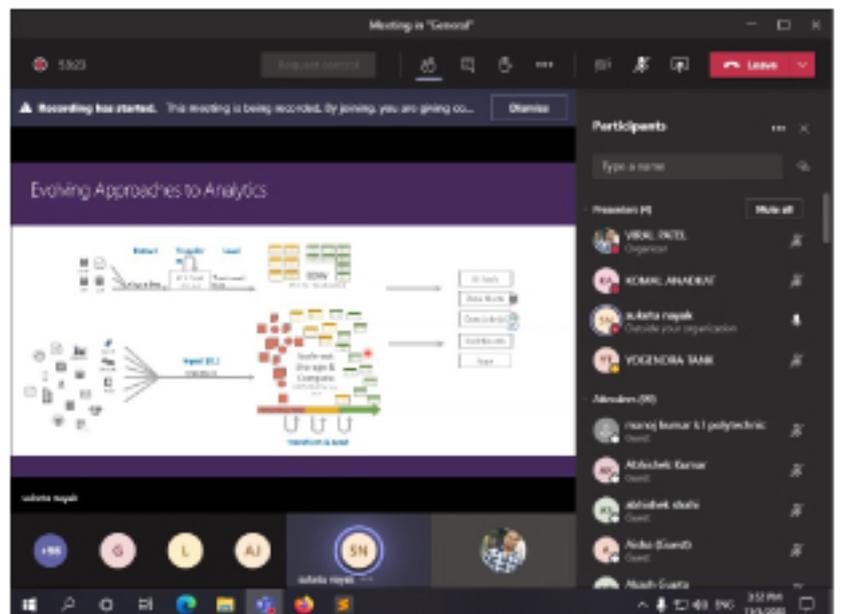
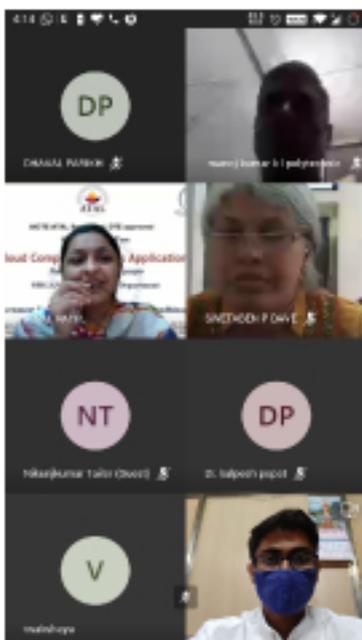
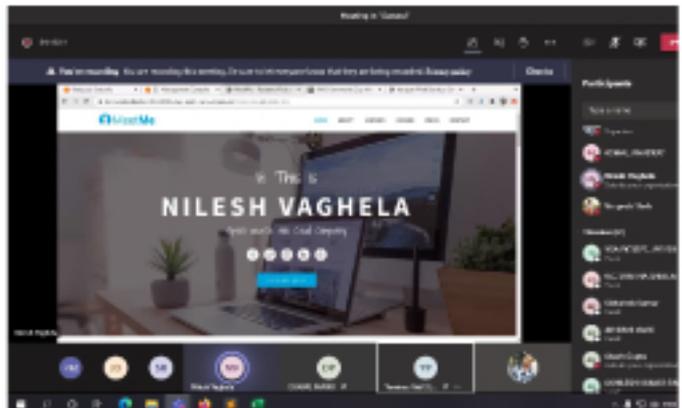
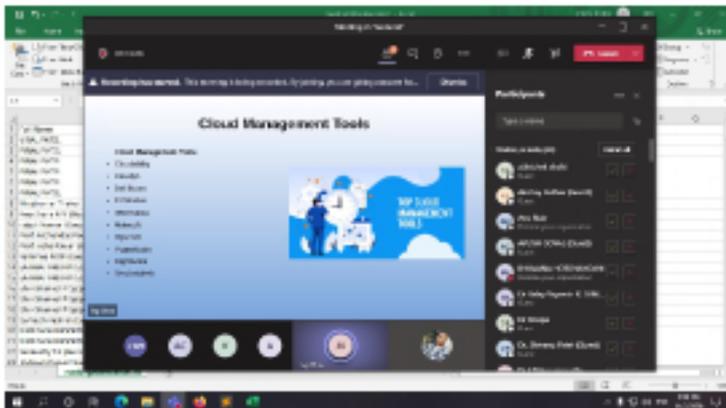
For details, contact

Dr. Sweta D. Dave
Head of Department, CE Dept.
Prof. Pinal Patel
Head of students@gecg28.ac.in

સરકારી ઈજનેર કોલેજ સે-રટમાં ઓનલાઇન તાલીમ

સરકારી ઈજનેરી કોલેજ સેક્ટર-૨૮ ખાતે કમ્પ્યુટર ઈજનેરી વિભાગ દ્વારા ક્લાઉડ કમ્પ્યુટિંગ ટેકનોલોજી વિષય આધારિત પ્રાધ્યાપકો તથા રિસર્ચ સ્કોલર્સ માટે રાષ્ટ્રીય સ્તરના ઓનલાઇન ટ્રેનીંગ પ્રોગ્રામનું આગામી ૨૪ થી ૧૧ ઓક્ટોબર દરમિયાન આયોજન કરવામાં આવ્યું છે. ક્લાઉડ કોમ્પ્યુટિંગ ટેકનોલોજી ડેટાનો ઉપયોગ અને સંગ્રહની મર્યાદાઓને દૂર કરી તેને ફક્ત ઈન્ટનેટના માધ્યમથી સુરક્ષિત અને સરળ રીતે વપરાશકર્તાને ઉપલબ્ધ કરાવે છે તે સહિતની બાબતોનું માર્ગદર્શન આપવામાં આવશે. આ તાલીમમાં ઈન્ડસ્ટ્રીના તજજ્ઞો પ્રેક્ટીકલ હેન્ડસ-ઓન સેશન સાથે વ્યાખ્યાન આપશે. તાલીમના અંતિમ દિવસે સાંપ્રત પરિસ્થિતીને આનુશંગિક રીધમ ઓફ લાઇફ વિષય પર વ્યાખ્યાન આપવામાં આવશે. આ પ્રોગ્રામને ટેકનિકલ શિક્ષણ નિયામની કચેરી દ્વારા મંજૂરી આપવામાં આવી છે. જેમાં દેશની વિવિધ શૈક્ષણિક સંસ્થાઓના લગભગ ૨૦૦થી વધુ પ્રધ્યાપકો ભાગ લેશે. આ તાલીમ ઓનલાઇન માઈક્રોસોફ્ટ ટીમ પર યોજાશે.

Glimpses of Event



ACHIEVEMENTS

1.
**Our college is now part of nptel
swayam portal**

2.
**Students from CE Dept . of Our college suc-
cessfully completed 1st Operational Year of
their profitable startup.**

3.
**A team from our College participated in
a Github event and secured to win the
competition**

4.
**A student got an E-commerce Diploma
certification for his exceptional skill set
and knowledge**

1. NPTEL Swayam Local Chapter - GEC-Gn

We are pleased to inform you all that our institute is now a part of SWAYAM NPTEL Local Chapter. Our NPTEL Local chapter id is 4181.

Swayam portal facilitates hosting of all the courses, taught in classrooms from Class 9 till post-graduation to be accessed by anyone, anywhere at any time. All the courses are interactive, prepared by the best teachers in the country and are available, free of cost to any learner. More than 1,000 specially chosen faculty and teachers from across the country have participated in preparing these courses.

The courses hosted on SWAYAM are in 4 quadrants – (1) video lecture, (2) specially prepared reading material that can be downloaded/printed (3) self-assessment tests through tests and quizzes and (4) an online discussion forum for clearing the doubts.

Please visit <https://swayam.gov.in/about> for more details.

Please visit <https://nptel.ac.in/Brochures/> for available courses, offered by SWAYAM NPTEL.



Dr. Sweta Dave
Principal



Prof. D.A. Parikh
HoD CE



Prof. Ashvin Prajapati
NPTEL Co-ordinator

2. A Startup Story of our College



DIGIPPLE.

3 Startup Enthusiast students of our Department began their startup journey in 2019. Today Digipple has turned more than 1 year old and operating successful and profitable.

Viraj, Rushi and Sidharth of 2021 Computer Engineering Batch started their triumph in the Start-up world and decided to blend their skill set with Technology to help the businesses and make them thriving from surviving.

Digipple completed their 1 year of successful operation along with achieving profitability with their nationally and internationally established and recognized Digital Presence making their ways to next big thing

3. Cheers for the Github Winners!



Cheers for the winning team of Github event that has secured to be the winner of a competitive event at Github. With their razor sharp skills they had cut down the competition and made their way towards the No.1 Position in Github Event

4. A Student Got E-Commerce Diploma Certificate

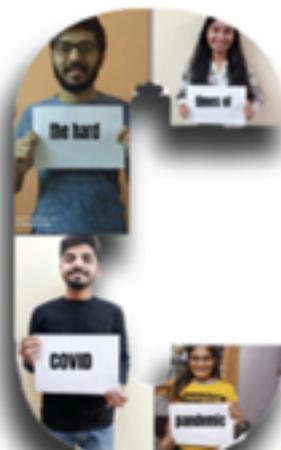


From 6th Sem CE **Pratik Pareshbhai Shah** who has successfully completed **Diploma in eCommerce** and has been awarded by certificate from **CDAC & GIST**.

Creative Corner

This year, we were divided by Corona Virus

but connected by Technology



Thanks to all supporting members (Faculties) of CE Dept.



Dr. S.P. Dave

Let's bring a holistic academic as well as practical approach for the students to become compatible and knowledgeable to the market needs.



Dr. D.A. Parikh

An optimised learning is to solve the problem without any damage or wastage of resources.



Prof. J.S. Dhobi

Without following the solution procedure, how can anyone transform the question into the answer?



Dr. P.J. Patel

You grow according to the limitations that you accept in your life. If you accept that I have no limitation for growth, you can go for unlimited growth in your life



Prof. P.A. Barot

Operating system is an administrative bridge between the software and the hardware



Prof N.K. Prajapati

Hardware is a body with its strengths and weaknesses. A better body can perform better.

Thanks to all supporting members (Faculties) of CE Dept.



Prof. N.S. Shroff

Making the machine to think and decide will help to improve the quality of human life.



Prof. D.P. Khem

To improve performance in less time theoretical understanding is must.



Prof. B.U. Ghadia

A Class is structural design of the Data-Type and procedure, while the Object is the memory occupied by the DATA Values



Prof. Mihir Maheta

Teaching is a discovery. When you discover something from students, you don't need to prove anything



Prof. Hemani Shah

Desires get fulfilled when expectation are from self and not from others.



Prof. Ashvin Prajapati

A Class is structural design of the Data-Type and procedure, while the Object is the memory occupied by the DATA Values

Thanks to all supporting members (Faculties) of CE Dept.



Prof. N.D. Shah

Always set a high milestone. Milestone will force you to come available/required in the market.



Prof. Nikhil Singh

It's time that becomes the teachers who can teach/train machines



Prof Viral Patel

Always set a high milestone. Milestone will force you to come



Prof. Nitin Raval

To get employment, it is essential to learn the advanced skills points



Prof. Yogendra Tank

Risk is everywhere if you notice. Once you have noticed there is no risk



Mr. RAMIZ PARMAR

Ultimately success is up to you so believe in yourself first

Computer Engineering Department

“Building the future world”

Head of Department

Dr. D.A. Parikh



Facilitator

Prof. J.S. Dhobi



Co-ordinator

Prof. Pinal Patel



Editors

Mr. Siddharth Patel (8th CE)

Mr. Hiren Pokar (4th CE)

Ms. Viveena Rathi (2th CE)

