



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 qualified 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**

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**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

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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 ●

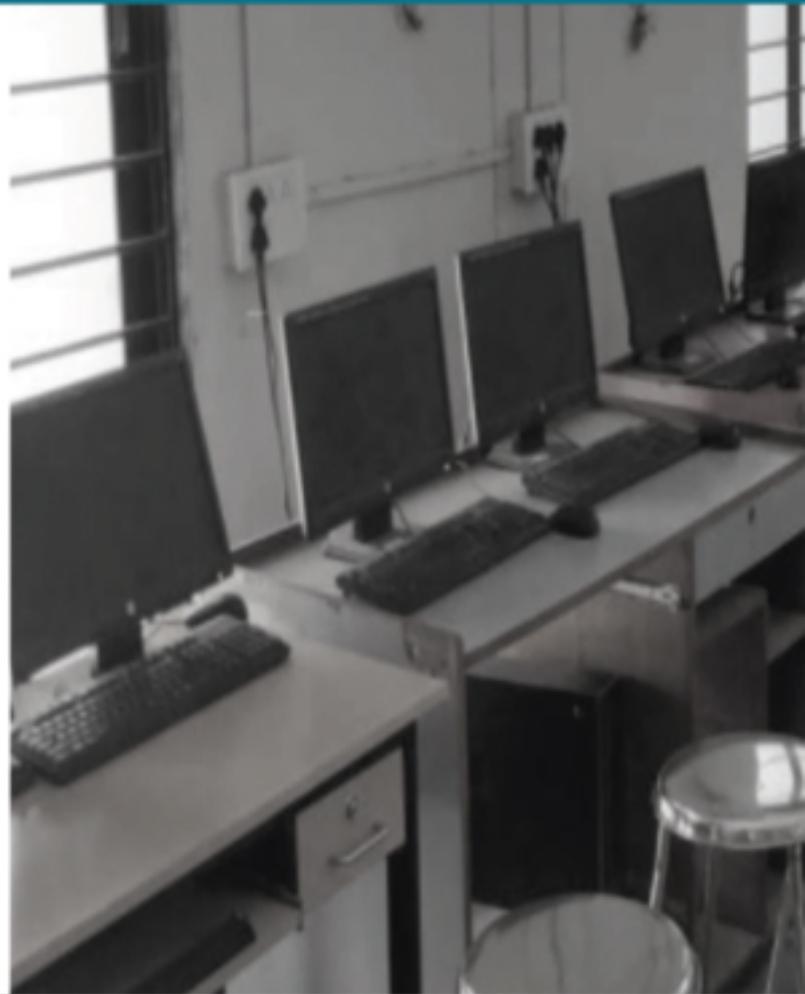
## Program Specific Outcomes

# Resources & Facilities

## Programming Lab

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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

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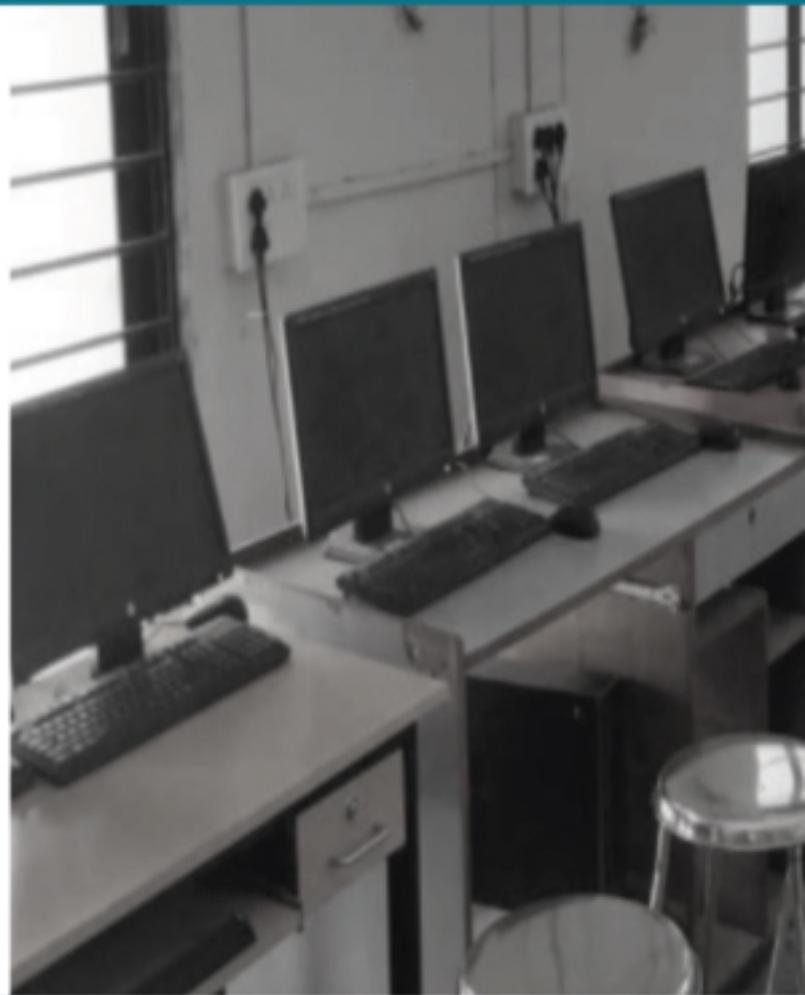
A database management system (DBMS) is computer application software that provides a way to manage data. The requirement of modern days is to have an automated system that manages, modifies and updates data accurately. This is achieved by a DBMS in robust, correct and non redundant way. DBMS lab aims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

# Resources & Facilities

## Applicationn Dev. Lab

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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

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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.

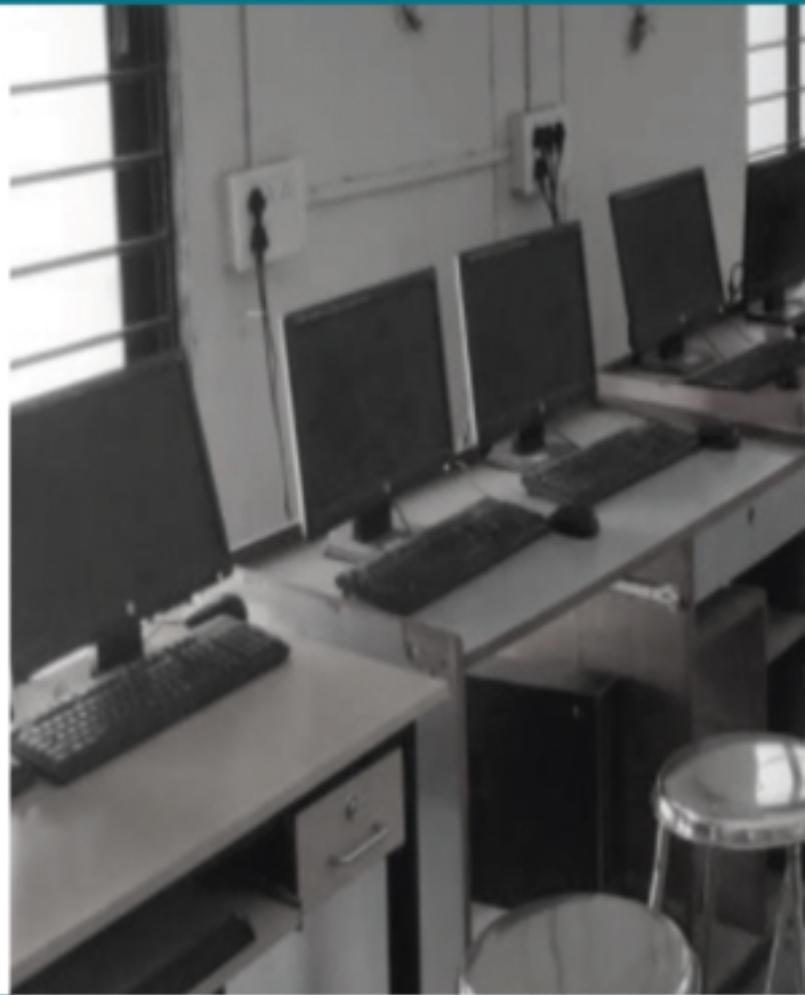


# Resources & Facilities

## Network Lab

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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

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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  
ગણધીનગર ઈજનેરી કોલેજ  
SECTOR OF GANDHINAGAR

COMPUTER ENGINEERING

Undergraduate / Postgraduate Programmes

Program	Bachelor of Computer Engineering	Master of Computer Engineering
Head of department	Dr. Dhaval Parikh	Dr. Dhaval Parikh
Year of starting	2004	2004
Level	UG	PG
Intake	150	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.

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 -					Week -	W
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 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)

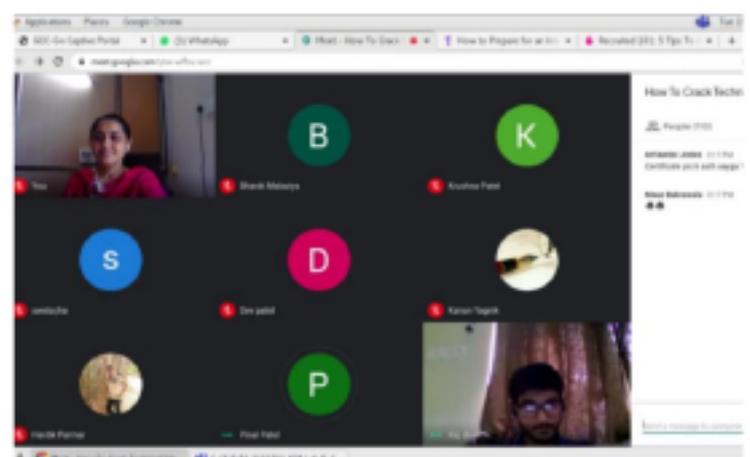
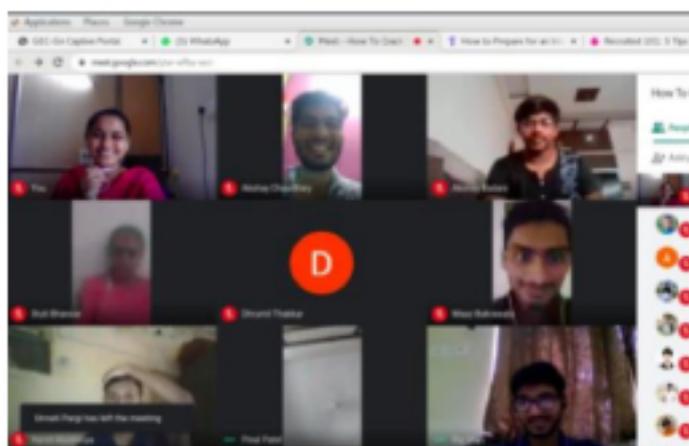
Click Here Or  
TO JOIN THE CONVERSATION VISIT: <https://meet.google.com/vqg-mqaa-dry>

▶ **SEPTEMBER 1, 2020 AT 3PM-4PM**

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

For more info:  
[cedpt.gecgn@gmail.com](mailto:cedpt.gecgn@gmail.com)

## Glimpse of Event





### 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
- 2<sup>nd</sup> 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**

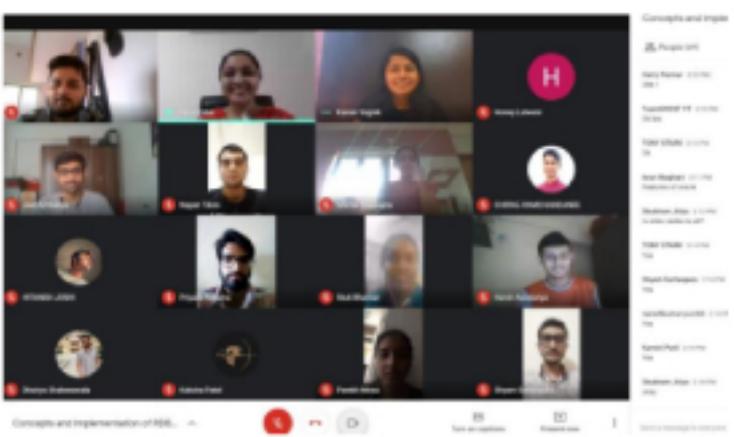
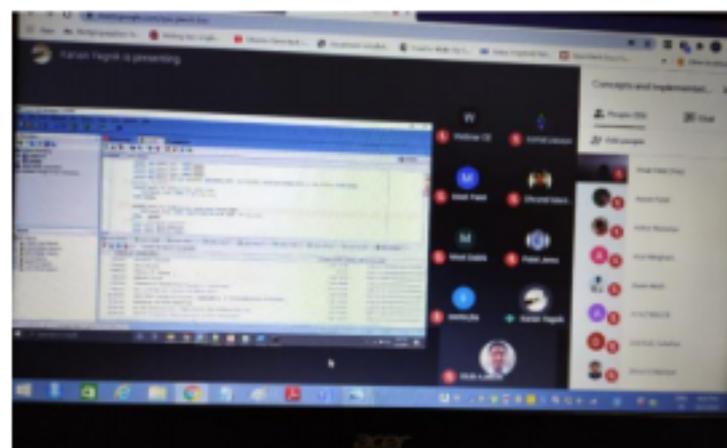
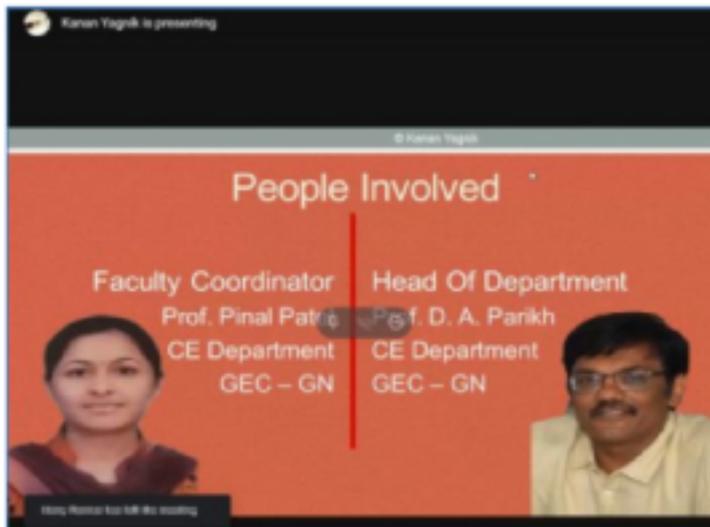
### SPEAKER



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



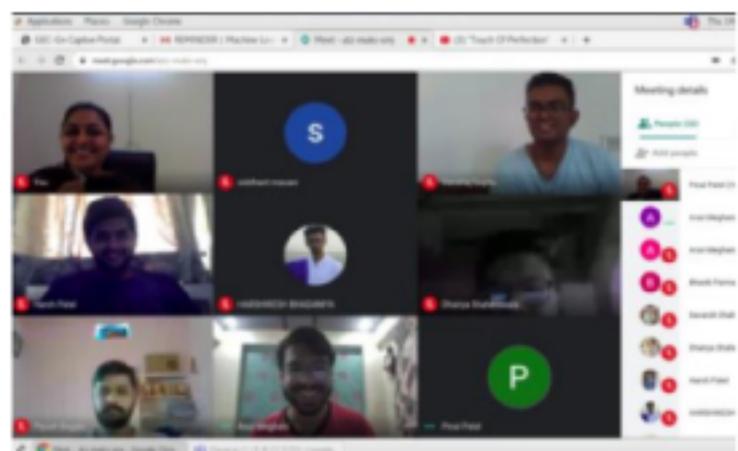
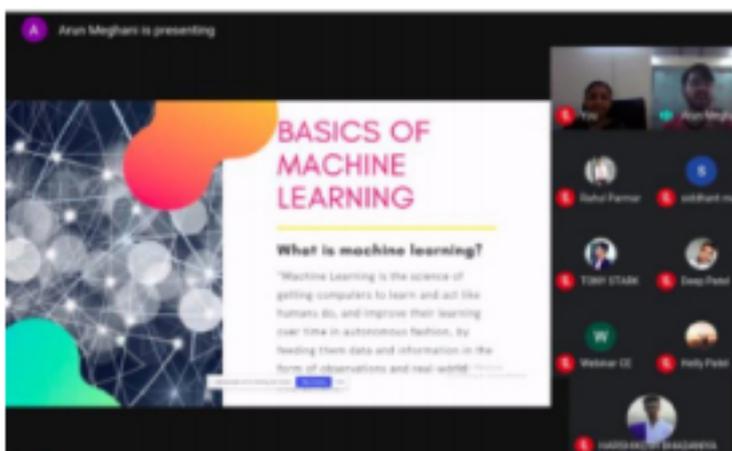
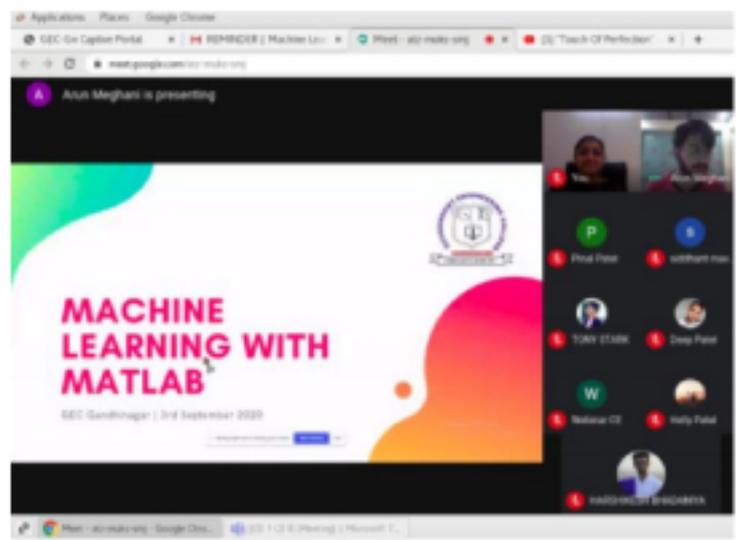

## Glimpse of Event



## MACHINE LEARNING AND MATLAB

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



Siddharth Patel

Co-Founder & CEO of Digiops

### 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

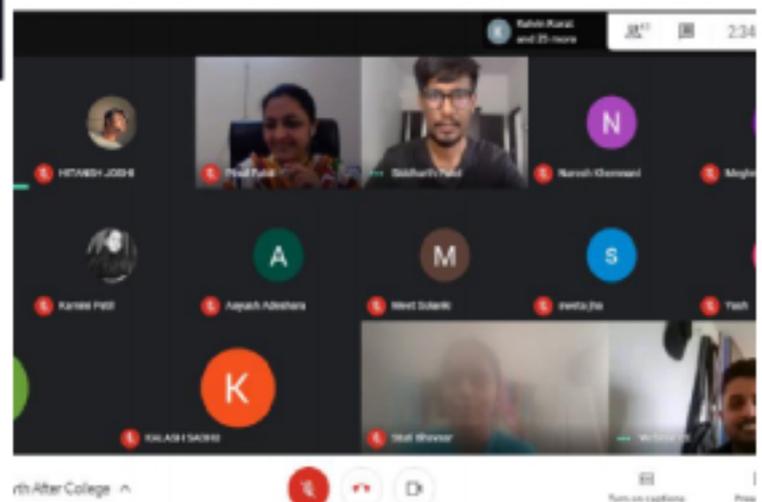
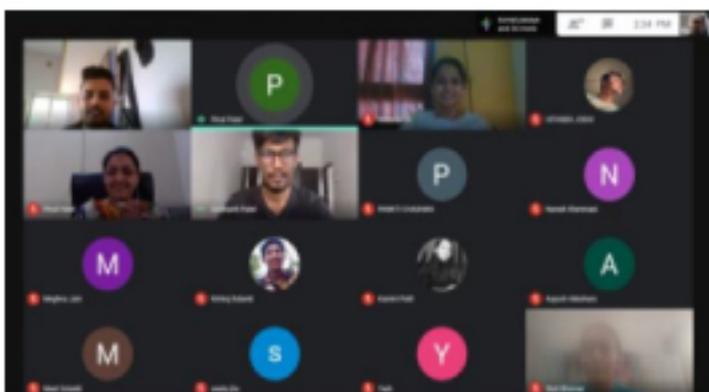
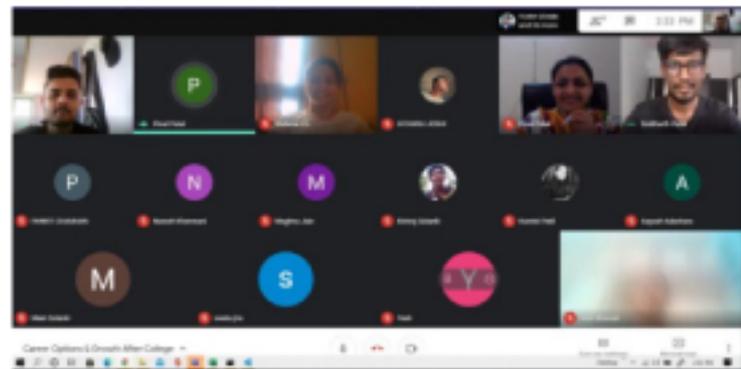


Prof. J.S.Dhobi  
Facilitator



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](mailto: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 9<sup>th</sup> 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

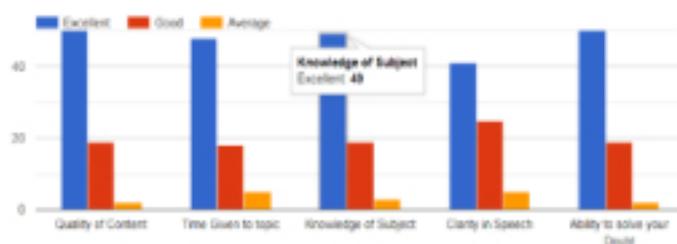
Chief Regards To :

Prof.D.A.Parikh [H.O.D]

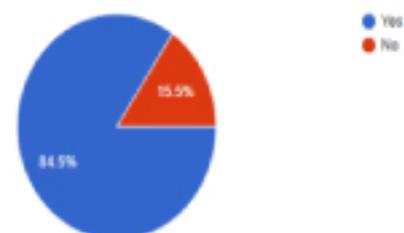
Prof. Pinal Patel [Faculty Coordinator]

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

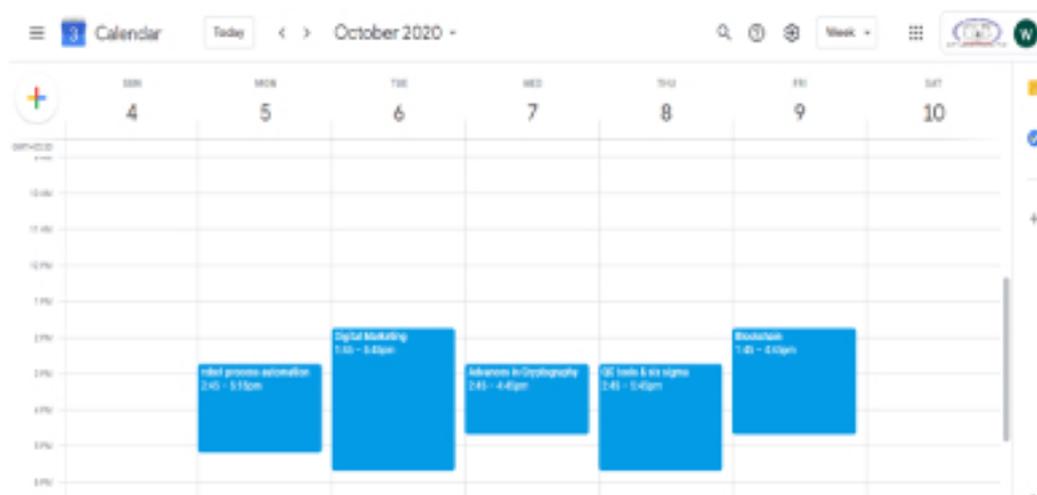


**Aayushi K. Patel**  
6th Sem (CE)



**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	x <sub>1</sub>	x <sub>2</sub>	y <sub>1</sub>	y <sub>2</sub>
1	2	1	2	
4	4	0		8
6	9	15		
8	16	24		
10	25	35		
6	12	30	40	
7	14	49	62	

- 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: **10 Billion**

U.S. based users: **109 Million**

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 5<sup>th</sup> 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

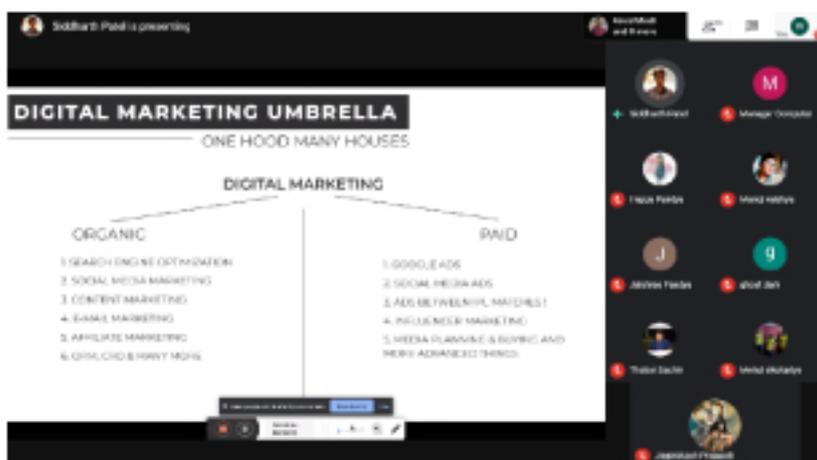
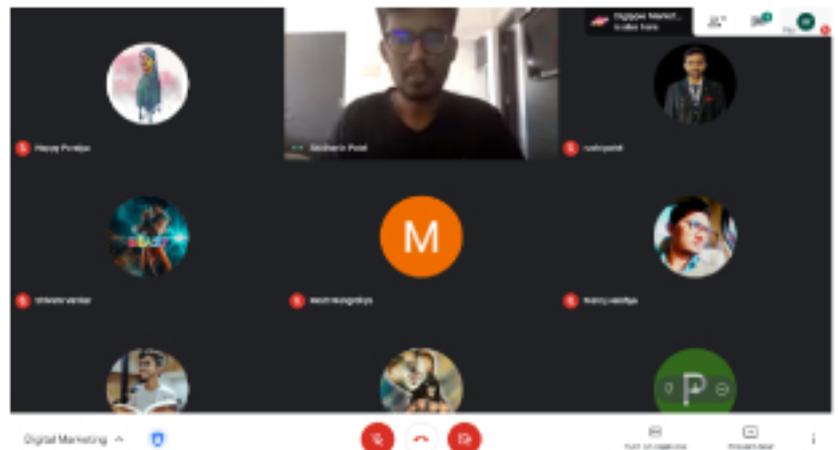
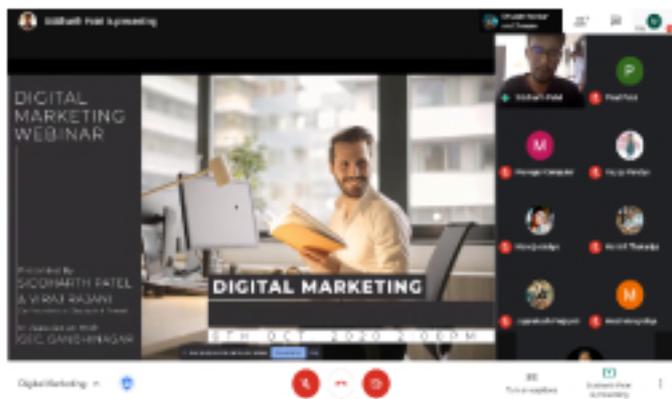
**Talk Series TECHNO WEB**

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 (Teacher), 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  
PDPG, GEC Gandhinagar

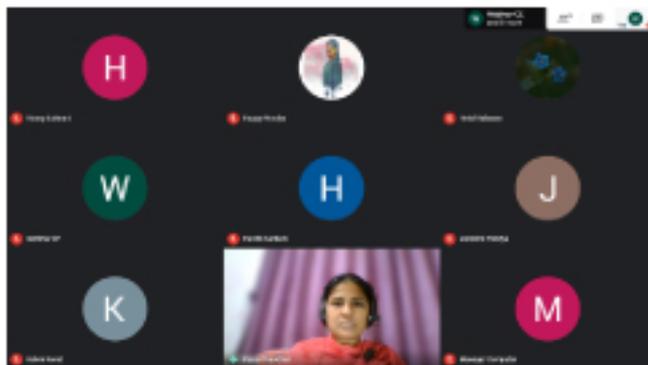
**Talk Series**  
**TECHNO WEB**

Brought to you By CE Dept, GEC Gandhinagar

Registration Link : <https://forms.gle/8qz70Ww4tUv8M7>  
Google Meet Link : <https://meet.google.com/ubkksaG>

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

Glimps of Event



Dr. Payal Chaudhari is presenting

### Homomorphic Encryption

- **Homomorphic encryption** is a form of encryption that allow computers to perform operations on encrypted data without compromising its security.
- Its objective is to allow computers to work on encrypted data without compromising its security.
- Useful for computing on cloud data storage which is in encrypted format.

Dr. Payal Chaudhari is presenting

The trusted authority is responsible to setup the system.

**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  
Principal

Prof. Pinal Patel  
Faculty Coordinator

Prof. D. A. Parikh  
Head Of Department

Dr. Payal Chaudhari is presenting

### The CP-ABE Scheme

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, IISc  
STATSOFT

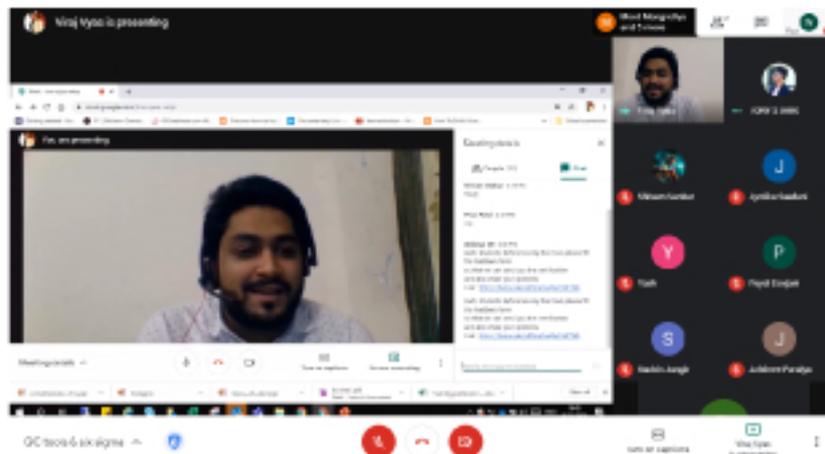
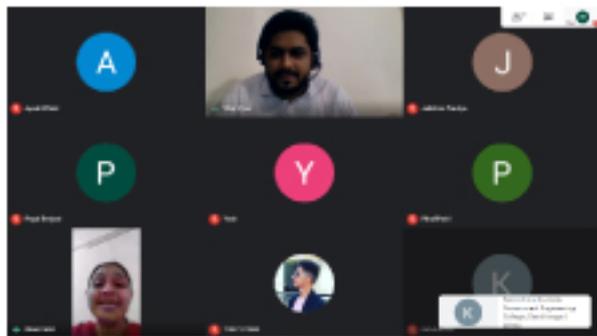
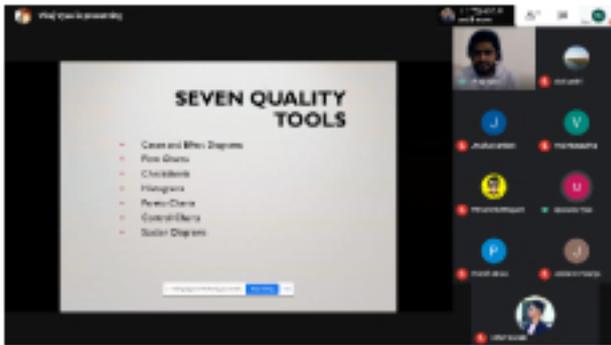
**Talk Series**  
**TECHNO WEB**

Brought to you By CE Dept, GEC Gandhinagar

Registration Link: <https://forms.gio/6K8qCC82x9T50ub>  
Google Meet Link: <https://meet.google.com/bbkawv>

Dr. Sweta Dave (Principal), Dr. D.A. Parikh (HOD, CE Dept), Prof. J.S. Dhabhi (Faculty), Prof. Pinal Patel (Event 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 Shirmali**  
Assistant Professor, CE department  
GEC Gandhinagar

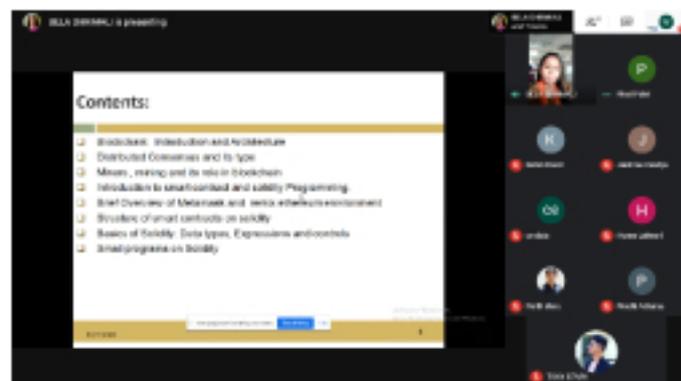
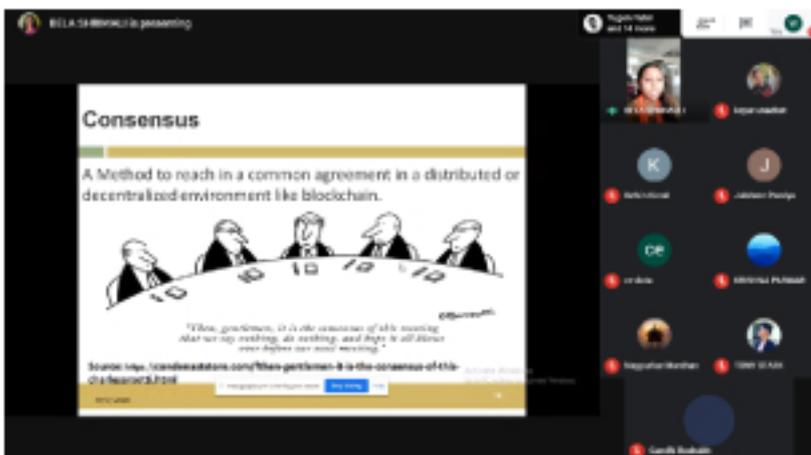
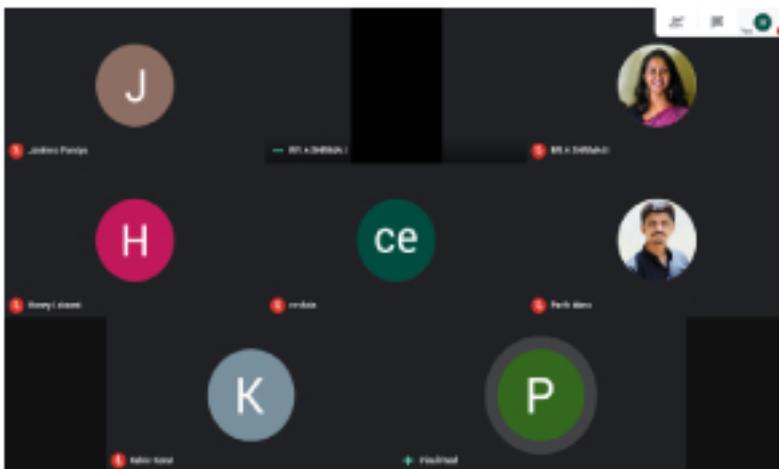
**Talk Series**  
**TECHNO WEB**

Brought to you By CE Dept. GEC Gandhinagar

Registration Link: <https://forms.gle/5t5k7FAnQ55uPz8>  
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

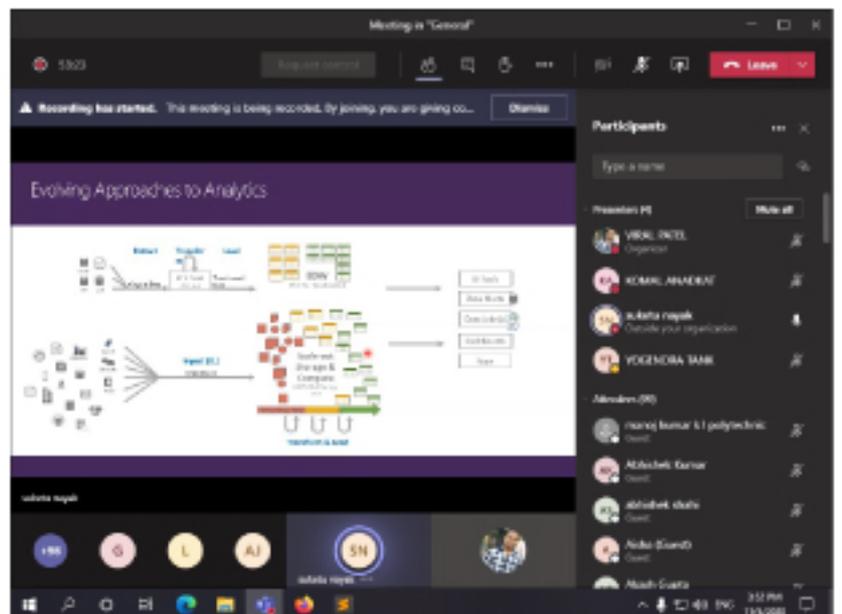
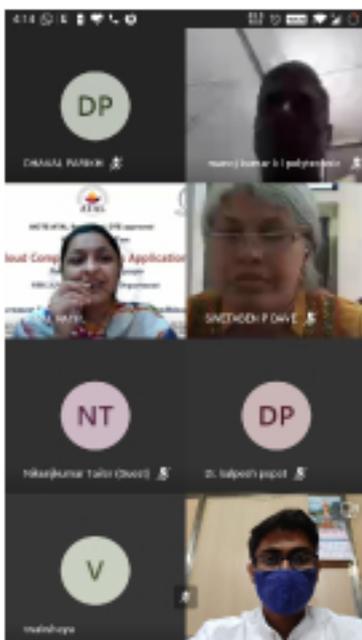
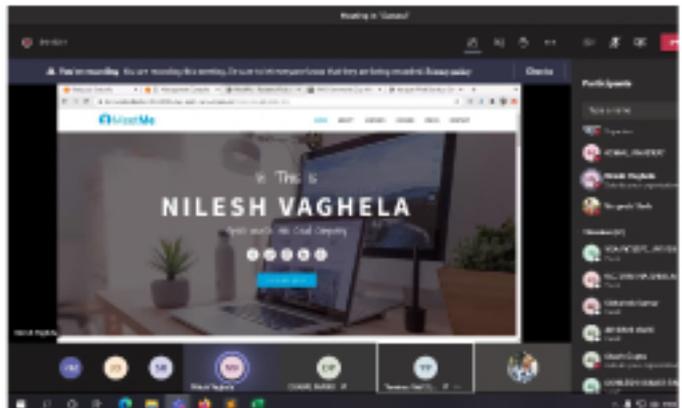
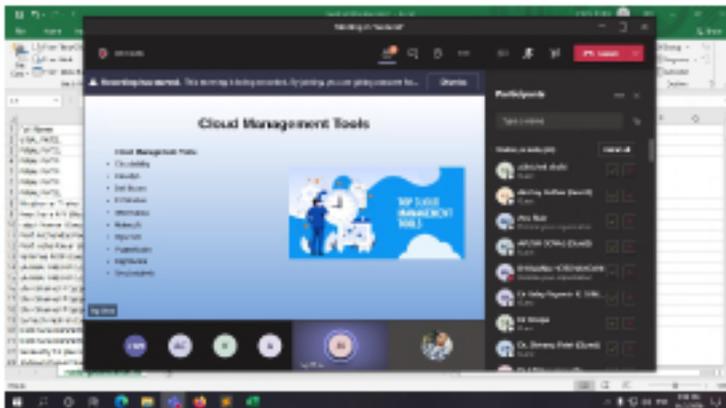


The inauguration was held on 2nd November 2020 online at 09:00 am. Dr. Vinay Sahastra-buddhe, Prof. Anil Sahasrabudhe (Chairman, AICTE), Dr. Manish Gupta (Director, Google Research India) and Prof. Rajiv Kumar (Member Secretary, AICTE), Prof. M.P. Poonia (Vice Chairman , AICTE), Mr. Bhushan Ghokhale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



# 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



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

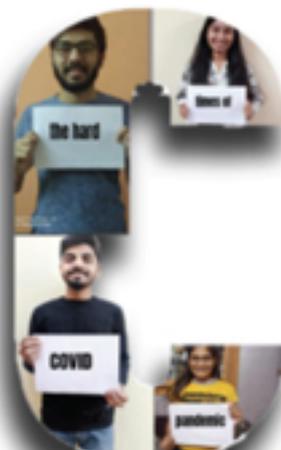
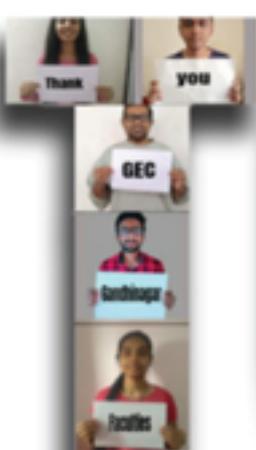


From 6th Sem CE **Pratik Pareshbhai Shah** who has successfully completed **Diploma in eCommerce** and has been awarded by certificate from **CDAC & GIST**.

# Creative Corner

This year, we were divided by Corona Virus

but connected by Technology





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

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**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.

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**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.

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**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*

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Dr. D.A. Parikh



## *Facilitator*

---

Prof. J.S. Dhobi



## *Co-ordinator*

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Prof. Pinal Patel



## *Editors*

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Mr. Siddharth Patel (8th CE)

Mr. Hiren Pokar (4th CE)

Ms. Viveena Rathi (2th CE)

