GOVERNMENT ENGINEERING COLLEGE, GANDHINAGAR

DEPARTMENT OF INFORMATION TECHNOLOGY

HIGHLIGHTS

Message From Our Leaders

Faculties Leading From The Front

Student Achievements

Student Corner

WHAT IS COVERED IN

THIS ISSUE

NEWSLETTER 2021

INFORMATION TECHNOLOGY. GEC, GANDHINAGAR

OVERVIEW:

The Government Engineering College, Gandhinagar (GECG) was established in 2004 to give higher education in engineering and technology. The institute is recognized by the All India Council of Technical Education (AICTE), New Delhi, and the Institute of Engineers (India). The college is administered by the Directorate of Technical Education, Gujarat State, Gandhinagar, and is affiliated with Gujarat Technological University (GTU). Earlier all the courses of this college were taught according to the GTU (Gujarat Technological University) syllabus and exams were also taken by GTU but from 2013 onwards it got an Autonomous Status along with other 6 Government engineering colleges and started taking exams on their own. Results and certificates are still given by GTU.

In November 2007, the college moved to its new campus at Sec-28, near GEB, inaugurated by Smt. Anandiben Patel, Minister for Higher and Technical Education. It is spread over 33 acres (130,000 m2) of land..

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!" 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 to 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 cocurricular 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 meaning 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 knowledgeable to the market needs. And we believe in this statement a lot, our faculties are well qualified and 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 academic's value. I will heartily invite you to join our prestigious organization and become part of our family.

- Dr. Sweta Dave

HOD

The Department of Information Technology , 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. Information Technology program includes several layers of physical equipment (hardware), virtualization, management systems, automation tools, operating systems, other system software and applications used to perform essential functions. User devices, peripherals and software can be included in the IT domain. Information technology (IT) is the use of computers to create, process, store, retrieve and exchange all kinds of electronic data[1] and information. IT is typically used within the context of business operations as opposed to personal or entertainment technologies.[2] IT is considered to be a subset of information and communications technology (ICT). An information technology system (IT system) is generally an information system, a communications system, or, more specifically speaking, a computer system – including all hardware, software, and peripheral equipment – operated by a limited group of IT users. 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.

- Dr. D. A. Parikh
HOD of CE/IT Dept.

"Education is the **most** powerful weapon you can use to **change** the world."
- Nelson Mandela.

➤   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. Approved by AICTE.

➤   The College is administrated by Directorate of Technical Education, Gujarat State, Gandhinagar. GEC Gn is affiliated to Gujarat Technological University.

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➤   GEC-Gn offers its students a wide range of courses to choose from. This helps them to become multi-skilled personalities who can handle the challenges that industry and society will pose before them as future engineers. Committed, to deliver excellence in everything that it does, our institute works towards reducing the gap between industry and education

➤   GEC-Gn endeavors to educate its students in a manner that offers them an opportunity not only to excel in academics but to be completely aware of their future industrial needs for professional expertise through innovative and flexible curriculum. This trains the students of this campus to reach their highest potential.

➤   The highly dedicated and educated faculty members of GEC-Gn are experts in their professional fields. Their professional skills and industry linkages help the students by grooming them to become competent engineers who will contribute to the society and economy in the long run.

➤   Department of Information Technology 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.

➤   The B.E. Information Technology program includes computer operations on different languages, data generation, collection and utilization of information

➤ The main backbone of the course is educating knowledge of Information Technology. Almost all fields are computerized to have ease of handling the problems of designing, manufacturing, maintenance, servicing, researching, marketing and accounting.

➤ The course imparts all the basics as well as latest knowledge pertaining to the rapidly developing field of computers. The course is designed to keep students in 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 requiring for the critical analysis, design, evolution and improvement of computing system in context of computers and industry services. It is our objective that students should be able to pursue advanced studies in computer engineering and information technology on a competitive universal basis.

➤ The college has well established computer labs which are facilitated with IBM, X series Xeon & dual processor Pentium servers, Compaq server and several hundred work stations connected in LAN & WAN

Vision & Mission of Institute

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

- Important elements at the beginning. However, you don't have to do this for feature stories, where you're allowed to be more creative.

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
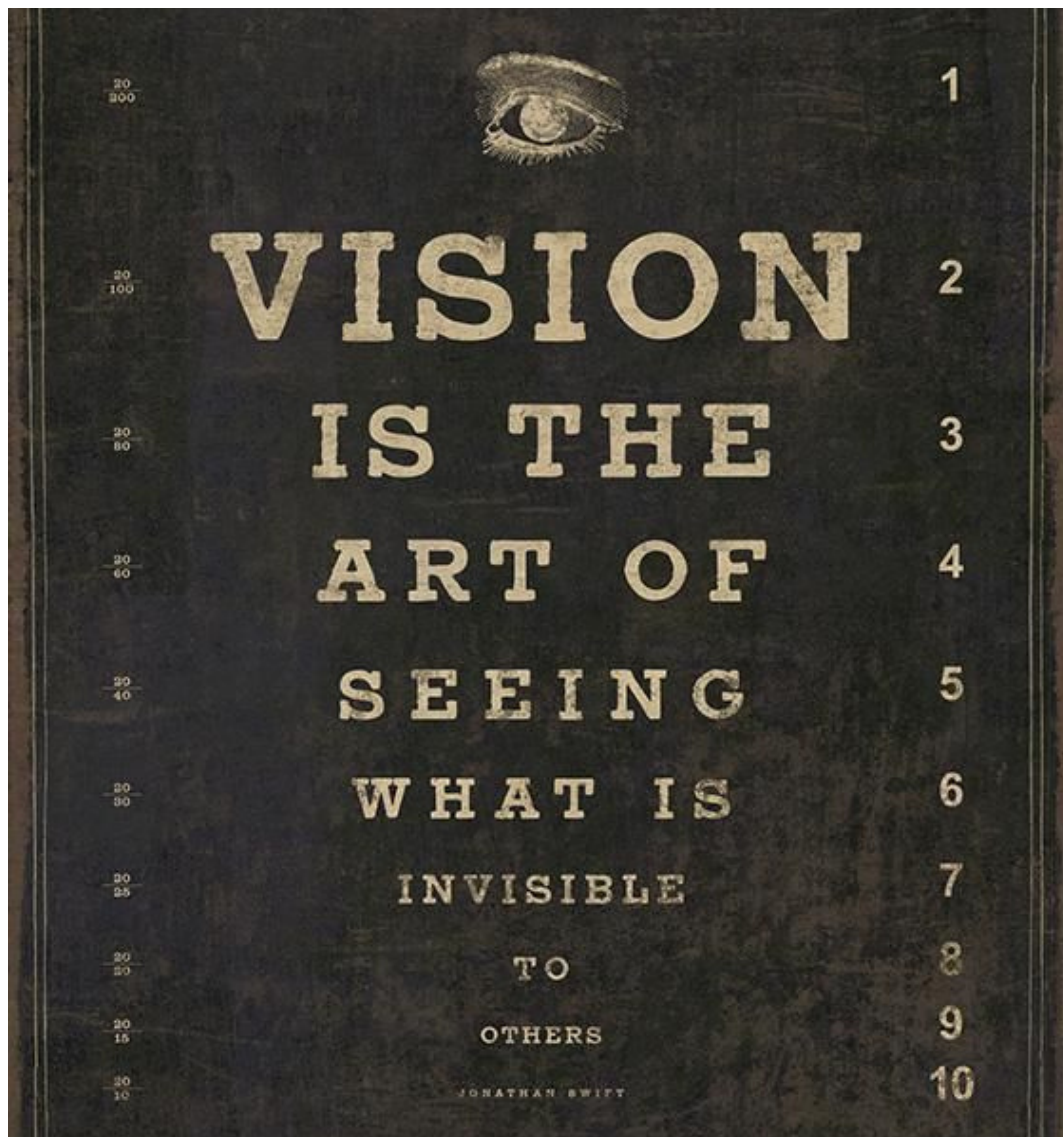
Program Educational Outcomes (PEO)

- 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.

Program Specific Outcomes (PSO)

- By the completion of Information Technology program, the student will have following Program specific outcomes.

- 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

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The capacity to learn is a *gift*; the ability to learn is a *skill*; the willingness to learn is a *choice*.

IT DEPARTMENT
FACULTY

Prof. Mahendrakumar Patel
Assistant Professor

Prof. Komal Anadkat
Assistant Professor

Prof. Sureshkumar Patel
Assistant Professor

Prof. Hetal Chauhan
Assistant Professor

Prof. Chetan Kapadiya
Assistant Professor
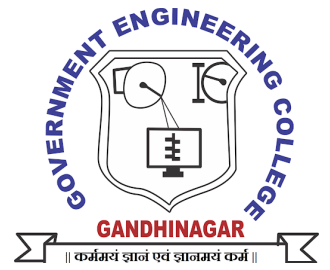
Prof. Prashant Chaudhari
Assistant Professor

Prof. Anamika Mittal
Assistant Professor

INFRASTRUCTURE

The Building no.5 is allocated to CE-IT department It is a three storey building with around 25 rooms for lectures , different Labs particulary for hands-on practice on machines and cabin for the respected faculties and HOD sir. The entire building is under the surveilliance of CCTV camera to maintain the safety and integrity of the Department.

Entire building is facilitated with high-speed wifi network for easy networking while being in the building. The labs are provided with well maintained WLAN network, efficiently maintained by our networking genius Prof. Prashant Chaudhari.

" The road to success is always is under construction. "

1. Programming Lab

coordinated by: prof. M N Patel

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.

2. Project Lab

coordinated by: Prof. C. M Kapadia

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. This lab is specially allocated for the Aspiring Project work for the Students.

Programing is not about what you know ; it's all about what you can figure out.

3. Database Lab

coordinated by: Prof. Prashant Chaudhari

A database management system is computer software that provides a way to manage data. DBMS lab aims at practicing and achieving this aim by using various software's such as SQL, ORACLE, and MS – Access etc.

4. Application Development Lab

coordinated by: Prof. Hetal Chauhan

Website Development includes both front end and back end including database management and dynamic functionality of website as per the user actions. Although we work with various tools/languages to achieve this functionality such as - ASP.NET, PHP, JSP but we primarily focus on .NET
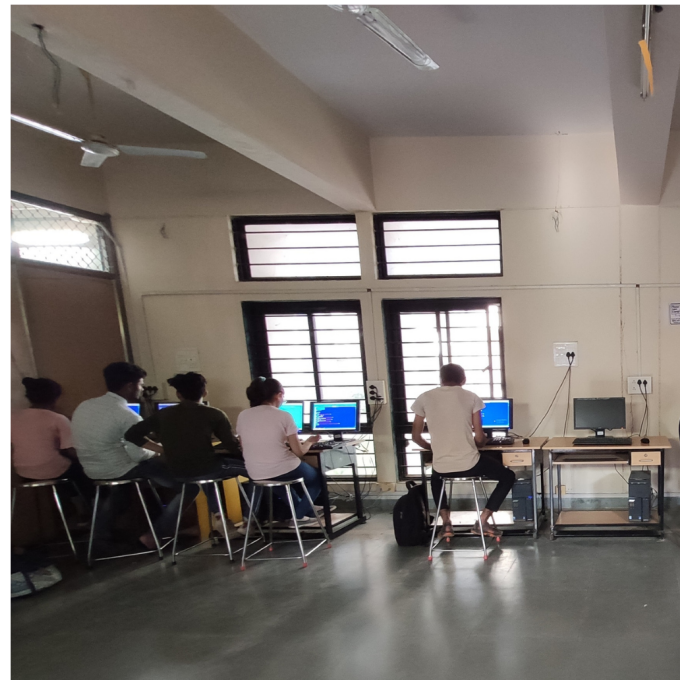
" The goal is to turn data into information, and information into insights. "

5. Network Lab

coordinated by: Prof . Komal Anadkat

Networking is a key area in IT field that deals with the physical connectivity of computers. This lab provides basics to advanced applications and services, while providing a platform for hands-on practical experience and soft-skills enhancement ,

6. Operating System Lab

coordinated by: Prof. S B Patel

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
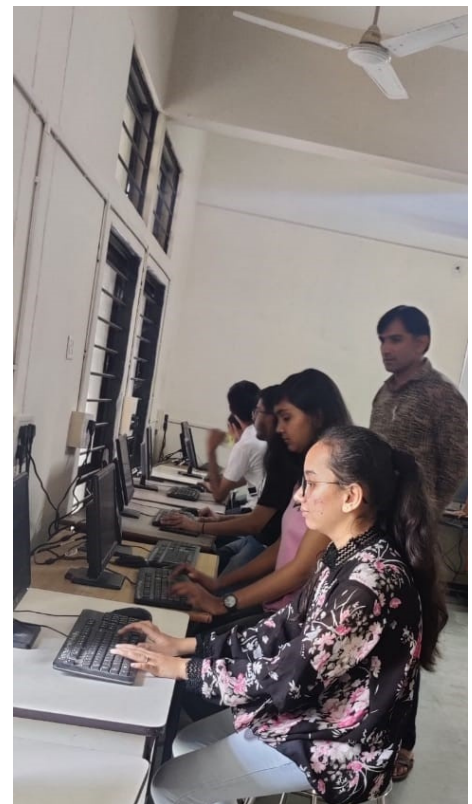
" The opposite of networking is not working. "

7. Digital Lab

coordinated by: prof. Anamika Mittal

Digital Fundamental is the subject that deals with the fundamental of computer programming and working The digital lab coordinated by Prof. S. B Patel is place where we deal with machines to get the hands on experience.

8. Advance Programming Lab

coordinated by: Prof. Komal Anadkat, Prof. M. N Patel , Prof. S.B Patel

Advance Programming lab is coordinated by multiple Faculties and multiple domains are taught work out here like Machine learning , Artificial Intelligence(AI) , Machine Learning and many programming languages are also being taught here.

" The biggest part of our digital transformation is the way we think "

OUR STUDENT'S ACHIEVEMENTS

- ## LISTING OUT SOME OF OUR STUDENT'S ACHIEVEMENTS.

We congratulate our all students who could share their achievements and certificates as a testment to their iron will and strong resolve that kept pushing them to not let the circumstances get the better of them.

Certificate of COMPLETION
This is to certify that
Kreni Patel
has successfully completed the 2 hours Master Class on
P2B#151 Python and Machine Learning Fundamentals

11.10.2021

Perfect Plan B ELearning Private Limited
license no.U80301HR2021PTC093214

Udemy

Certificate no: UC-5945d686-d4cc-4062-b775-cd55285f35cc
Certificate url: ude.my/UC-5945d686-d4cc-4062-b775-cd55285f35cc
Reference Number: 0004

CERTIFICATE OF COMPLETION

Java Programming: Complete Beginner to Advanced

Instructors **CodeIn Academy**

Divyesh Patel

Date **Aug. 5, 2021**
Length **5 total hours**

saylor.org ACADEMY

Saylor Academy awards

Surabhi Varma

this certificate of achievement for

CS107: C++ Programming

May 14, 2020
Issue Date

18055957
Certificate ID

LinkedIn LEARNING
Certificate of Completion
Congratulations, PRINCEKUMAR Patel

Learning Python
Course completed on Jun 08, 2021 at 12:56PM UTC • 2 hours 27 min

By continuing to learn, you have expanded your perspective, sharpened your skills, and made yourself even more in demand.

Head of Content Strategy, Learning

LinkedIn Learning
1000 W Maude Ave
Sunnyvale, CA 94085

Certificate Id: AfPqTsSWf0zL5C-BgYKeeK3qFmTY

OUR STUDENT'S ACHIEVEMENTS

PLACEMENTS

2020-2021

JANUARY-JUNE 2021

• LIST OF OUR STUDENTS, WHO ACHIEVED ON/OFF CAMPUS PLACEMENTS.

NO.	ENROLL MENT	BRAN CH	NAME	COMPANY	POSITION	PACKAGE (LPA)
1.	170130116001	IT	Himanshu Bhalala	Sparsh Technologies	PHP Developer	2.64
2.	170130116004	IT	Jay Bhingradiya	EsparkBitz	Web Development	2.04
3.	170130116007	IT	Pinky Chaudhary	Incapsulate India Pvt Ltd	Trainee Software Engineer and Band Trainee	4.00
4.	170130116009	IT	Honey Darji	X-BYTE Enterprise Crawling	Jr. Python Developer	3.00
5.	170130116010	IT	Payal Devjani	TheCloudBill, Inflorer	Co-Founder, Full-Stack Developer	3.60
6.	170130116014	IT	Mitul Jadav	EsparkBitz	Web Development	2.04
7.	170130116017	IT	Kishan Kachhadiya	Zibma infotech	Asp.net devloper	2.00
8.	170130116018	IT	Preetha Kachhadiya	Bacancy	Software Engineer(Vue JS)	3.00
9.	170130116020	IT	Nirali Kanwani	Tatvasoft	Net developer	3.20
10.	170130116021	IT	Jitesh Keshwani	Silent Infotech	Programming Analyst	2.60
11.	170130116024	IT	Dharmik Maru	Sterlite Technologies Pvt Ltd.	Software Developer Engineer	1.80
12.	170130116026	IT	Shivani Pala	Bacancy	Software Engineer (React)	4.00
13.	170130116035	IT	Harry Patel	Teksun Cultivating Technology	Java Developer	3.00
14.	170130116043	IT	Akshay Prajapati	Tatvasoft	Trainee	3.12
15.	170130116044	IT	Arpit Prajapati	Tatvasoft	Trainee	3.00

• LIST OF OUR STUDENTS, WHO ACHIEVED ON/OFF CAMPUS PLACEMENTS.

| NO.	ENROLL MENT	BRAN CH	NAME	COMPANY	POSITION	PACKAGE (LPA)
16.	170130116049	IT	Jinal Sinroja	Bacancy	Software Engineer(AI/ ML)	3.00
17.	170130116051	IT	Priyank Sondagar	eDelta Enterprise Solution pvt ltd	Software Engineer	3.00
18.	170130116052	IT	Dhruvi Talaviya	I-Link Infotech	Web Developer	2.16
19.	170130116053	IT	Pooja Thakkar	TCS	Assistant System Engineer-Trainee	3.37
20.	170130116056	IT	Salma Muffazal Vakil	AIMDek Technology	Trainee Software Engineer	3.00
21.	170130116058	IT	Dipeshkumar Viradiya	Web code genie Pvt Ltd	software engineer	2.64
22.	180133116001	IT	Jeet Ambaliya	Veloxcore	Full Stack Developer	3.00
23.	180133116002	IT	Divya Bagul	Fame IT Consultancy	Internship web designer	3.00
24.	180133116003	IT	Rahul Baraiya	EsparkBitz	Junior Business Analyst	2.04
25.	180133116005	IT	Prashant Gohel	Intech Systems pvt ltd	Trainee Technical consultant	3.00
26.	180133116009	IT	Shabbir Shoaib Marfatiya	Teksun Cultivating Technology	Python Developer	3.00
27.	180133116011	IT	Axita Patel	Tatvasoft	Php developer	3.12
28.	180133116012	IT	Mit Patel	KiwiQA	Trainee software tester	2.10
29.	180133116015	IT	Shivamkumar Pawar	Krish Compusoft Services	Software Developer	1.80

• LIST OF OUR STUDENTS, WHO ACHIEVED ON/OFF CAMPUS PLACEMENTS.

NO.	ENROLL MENT	BRAN CH	NAME	COMPANY	POSITION	PACKAGE (LPA)
30.	180133116016	IT	Mehul Prajapati	Plushvie	Software Developer Engineer	1.7
31.	180133116017	IT	Manish Ramnarayan Singh	Veloxcore	Software Engineer	3.00

- **Total 72 students from our IT and CE branches are placed in different companies!**
- **We congratulate all the students who got placement with their quality skills.**
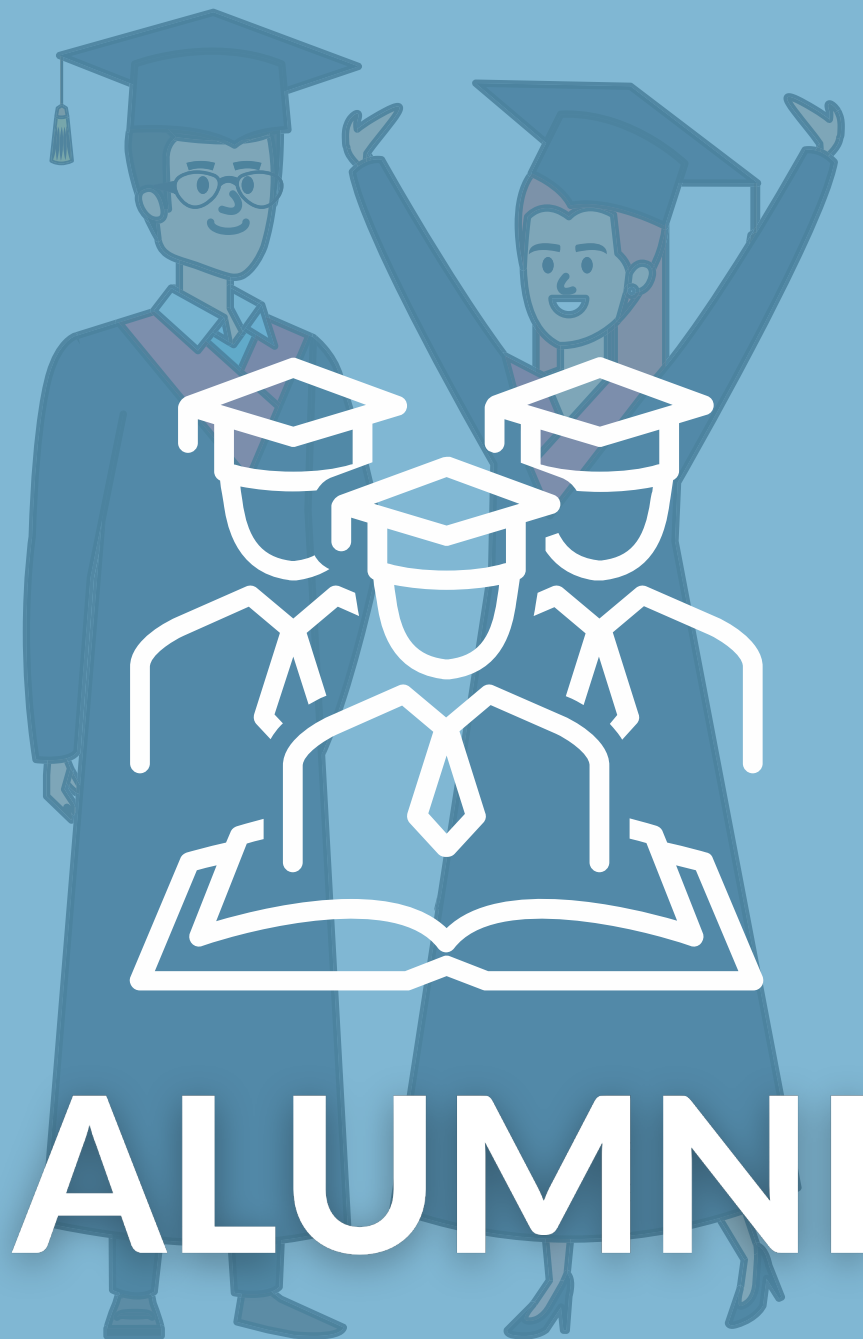
ALUMNI
MEET

Alumni Meet 2021

Date/s and Duration : 11th April 2021 From 09:00AM To 12:00PM
Venue : Virtual Meeting on Microsoft Team Platform

The Department of Computer Engineering and Information Technology had organized an alumni meeting for all batches on 11th April 2021 on the Microsoft Team Platform.

The meeting started at 09.00 a.m. with a prayer. Dr D A Parikh, HOD, Department of CE/IT welcomed the gathering. He handed over to Prof. D P. Khem, Prof. C. M. Kapadia and Akul Upadhyay (Student). They compered the program.

Expert talks on different topics were delivered by alumni experts. Below are the statistical detail of the alumni from all batches, students and faculties who had worked here are participated in the event.

The alumni students and staff shared their memories, most of them volunteered to render services for the benefit of the current students of CE/IT departments.The event was stimulating and enjoyable and simultaneously profitable as all insights came up.

At the end, the CE/IT alumni coordinators sincerely expressed its gratitude to the honorable Principal Madam and Head of CE/IT Department for their guidance and support to make this event a grand success and thanks to Prof. B. V. Buddhadev, Prof. J S Dhobi, all Faculties, Staff Members and Alumni for attending Alumni Meet and contributing towards making it such an unforgettable holiday.

ONLINE ALUMNI MEETING 2021

CE and IT Department
Government Engineering College, Gandhinagar

Date: 11/04/2021, 09:00 am

Our Super Alumni

Mr. Yash Shah	**Kum. Malti Devnani**	**Mr.Kaitav Mehta**
GECG CE Student (2012-2016)	**GECG IT Student (2011-2015)**	**GECG CE Student (2012-2016)**
Sr.Security Engineer, BAELLE Technologies, USA	**Compusense Front End Developer Canada**	**Data Engineer Canada**

GEC-Gn Alumni e-Meet 2021
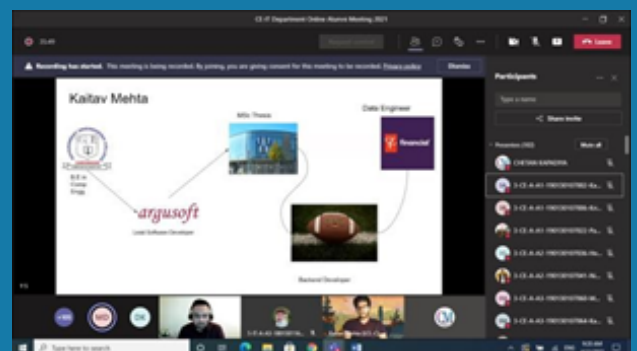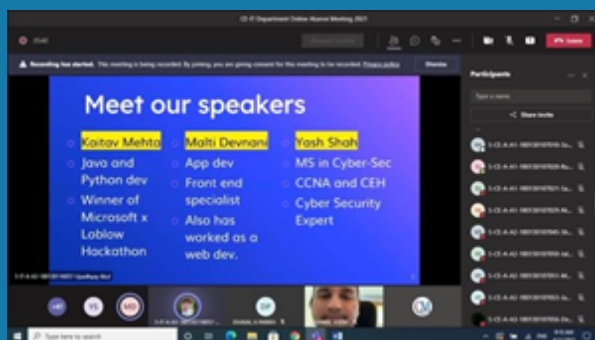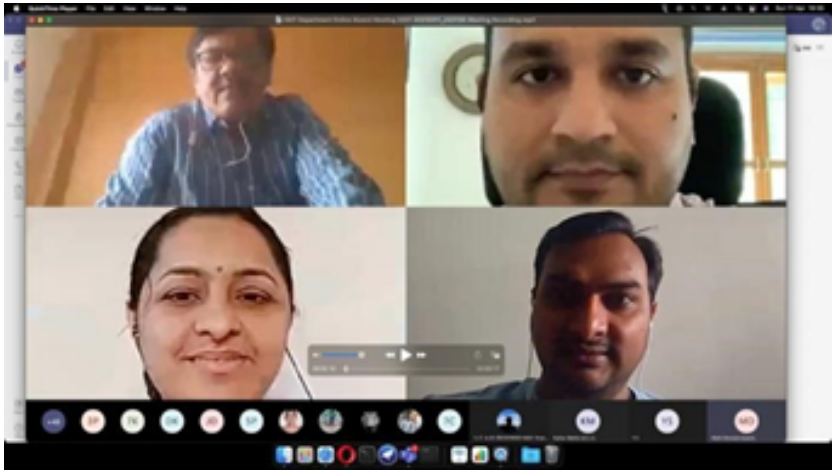
STUDENT
EXPERIENCE

We are second-year students and till now we have attended most of our college lectures through online mode. we want to share that the quality of education through online mode is excellent. Faculty teach us in a very interactive way such that we can easily understand all the concepts clearly. Faculties provide practical knowledge in an interesting way. Each and every lecture is extraordinary and the quality of teaching is best here. Apart from this, resources provided by faculties are also very useful. All the webinars which were arranged for us were extremely good and knowledgeable.

- Ayush, Uttam, Aashutosh

We have attended both online and offline classes and our experience in both modes is outstanding. We have enjoyed each and every lecture. We attended whether it's online or offline. Also, extracurricular activities are also very knowledgeable. Events and webinars arranged by faculties are also helpful in gaining practical knowledge regarding the subjects. Also, the response of faculties is extremely good. Infrastructure facilities are also good.

- Kreni, Chhatrapal

Starting with faculites, their teaching level is outstanding. Each and every doubt of every tudent is solved with extremely good and deep explanation. Every lecture is interesting nd filled with deep knowledge and experience of faculty. Also labs are in very good condition. We can perform many practicals in these labs. Infrastructure and Labs are ver well equiped with necessary equipments. Other college activitea re also really awesome and extremely interesting to attend.

- Zeel, Smit

The experience of our teenage has gone through the real to digital world , from classroom to online meets , from classmates to virtual classmates , from known to unknown.

The online lecture & offline both have it's pros & cons, but the experience of offline is arresting , but with passage of time , time will eventually start to add flavour to the online classes too.
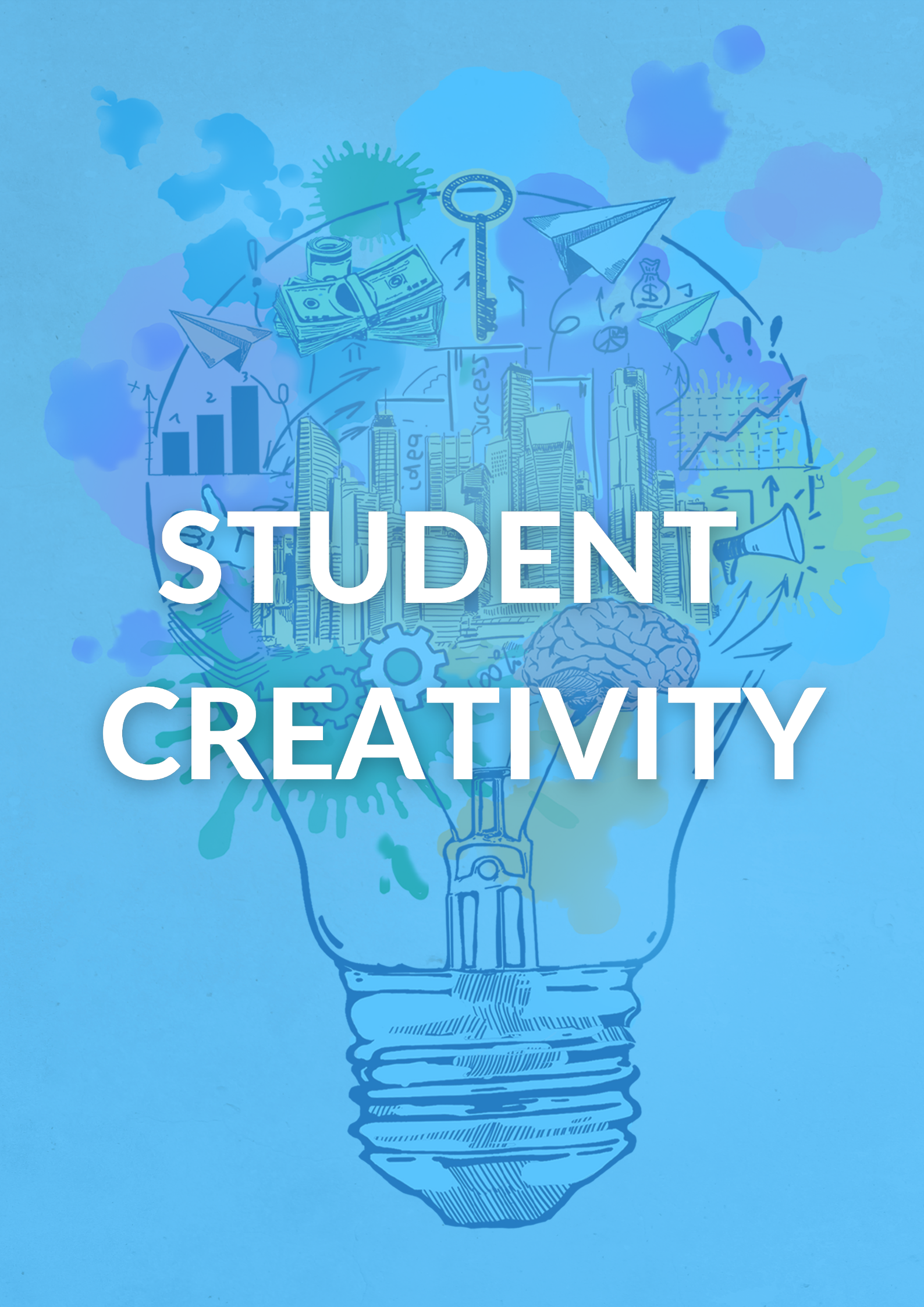
The offline classes we took , it might seem boring for some , but infact it was the best way for interaction with students, the teachers were able to assume by seeing everyone's face whether the topic is understood or not , there was a sort of alertness required in those days , discussing college notes with our deskmate , planning each little event with so much enthusiasm and enjoyment , the roaming around the campus in break was a different type of joy .

But these days , almost everything is shifted digitally, at lectures time we join the assigned meeting, keep ourself on muted , the teacher teaches us , this time the teacher can't exactly predict whether the topic is understood or not , as they're literally speaking infront of a digital device with no face , unless we ask for doubts or give response to them by unmuting from our side . It also creates lack of alertness , often there are lots of memes or viral videos circulated over internet showing the students getting lazy , sleeping or doing other stuffs during online lecture ...

Online class is good if it's taken seriously & in a disciplined manner , as this time we are trying to study on our own will, in offline class some had to obey , be disciplined and study cause of fear of faculties, HOD , or deduction of marks , but in the present state we are doing studies not for showing the world, not for showing our faculties how much good we are , we are attentive in that room of ours for showing ourself that , I gotta take these seriously for reaching my goals, for gaining knowledge .

Although I am new to GEC GANDHINAGAR , but uptil now , I can say that all the faculties , HODs and the principal & all other working staff of this institute receive a thank you bow from me & all my classmates as if , our future is gonna be bright, the first credit will be to you all and the the second credit would be we , ourselves .But without all of yours teaching, help , guidance & support , our path to our dream wouldn't be that easy !

- CHUDIWALA YAZDA MOHAMMED YUNUS

STUDENT CREATIVITY

College Life in Government Engineering college (Gandhinagar)
BY
Hetvi Parmar (Sem 3)

Life ho to aisi,
परिंदों की तरह आँखों में कुछ अपने , तो कुछ अपनों के सपने लेकर आये थे...
कॉलेज में ,यहाँ पे कुछ वजह लेकर ,तो कोई बेवजह ही आये थे !
Life ho to aisi,

युंही पल चूटकियो में गुजर गए, और 1 साल खतम हो गया गया !
सोचा ही नहीं था की ,ऑनलाइन में भी हमारी दोस्ती इतनी गहरी हो जाएगी !
खैर ठीक है,
Life ho to aisi,

और टीचर्स की तो बात ही क्या करें, ऐसे टीचर्स तो दिया लेके धुंधने से भी नहीं
मिल सकते, हस्ते खेलते और कुछ टेक्नोलॉजी के साथ ऑनलाइन लेक्चर्स में
जैसे ,ऑफलाइन होने का ही अहसास हो रहा था!
Life ho to aisi,

और कॉलेज के खत्म होने के बाद वो ..... बारिश के साथ शाम की
BROTHER'S CAFE की चाय ,आहा हा हा......
Life ho to aisi,

College life .....is a golden day's for our life..
We have only four year that become our future and we get
a chance to do something new.
Life ho to aisi......

CLUBS AND COMMUNITIES

CLUB IDE

What is IDE Club?

IDE club is a club by the students and for the students. IDE Club was set up with the help of faculties ans students. In this club many activites are held every week such as webinars, discussion sessions, coding contests.

VISION

To help students become more competent invarious fields of technology and help them getmore exposure in the field of research andentrepreneurship.

MISSION

- To enlighten the students with the latesttrends and giving them in-depth analysis andpathways of upcoming technologies.

- To establish an environment where studentscan explore, replenish their technical abilities,develop new skills, improve and learn uniqueconcepts about various technologies throughour club/ community.

- To motivate students to participate in variousconferences, workshops, seminars, and relatedtechnical activities.

- To help/motivate students to come up withtheir own ideas and guide them to implementit.

GDSC GECGN

What is GDSC?

Google Developer Student Club is a community by Google for GEC Gandhinagar college students which supports students by organizing various events. Google collaborates with Leads and supports them as they start and grow their on-campus community. There are total 50,000 Engineering colleges in India but out of them only 153 have GDSC club and our college is one of them.

Google Developer Student Club

Government Engineering College - Gandhinagar

BENFITS TO JOIN GDSC

- Get access to exclusive Google Programs like 30 Days Of Google Cloud, Android Study Jams.

- Participate in international/national level competitions.

- Grow Your Network Internationally.

- Learn and help others with the community.

CODECHEF GECGN CHAPTER

What is CodeChef?

CodeChef College Chapters are the programming clubs run and maintained by the official Chapter Leaders and mentored by CodeChef.

BENFITS TO JOIN CODECHEF

- Enhance Your Competitive Programming Skills with a huge community and experts having a rating of 5 Stars.

- Get Mentorship from Campus Chapter Expert.

- Participate in different activities of a chapter like a coding contest, cookoff challenges etc.

- Become a part of Competetive Programming Community

Vaccines are the firewalls to the immune system for the viruses, let's get vaccinated, till then stay home stay safe

GOVERNMENT ENGINEERING COLLEGE
GANDHINAGAR
|| कर्मण्यं ज्ञानं एवं ज्ञानमयं कर्म ||

IT Department

Newsletter Editors

Nigam Patel (7th Sem)

Zeel Parekh (3rd Sem)

Chhatrapalsinh Zala (3rd Sem)

Aashutosh Verma (3rd Sem)

Kreni Patel (3rd Sem)

Uttam Makwana (3rd Sem)

Smit Kakadiya (3rd Sem)

Ayush Solanki (3rd Sem)