JULY-DECEMBER 2021

NEWSLETTER

GOVERNMENT ENGINEERING COLLEGE, GANDHINAGAR

HIGHLIGHTS

Message From Our Leaders

Faculties Leading From The Front

Student Achievements

Events

DEPARTMENT OF INFORMATION TECHNOLOGY

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

IT Department Gec, Gandhinagar

Head of Department

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 and information. IT is typically used within the context of business operations as opposed to personal or entertainment technologies. 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

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

About GEC Gandhinagar

➤ 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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About Information Technology Department

➤   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 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.

➤   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.

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

➤   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 and Mission of Institute

VISION

- To be a premier engineering institution, imparting quality education for innovative solutions relevant to society and environment.
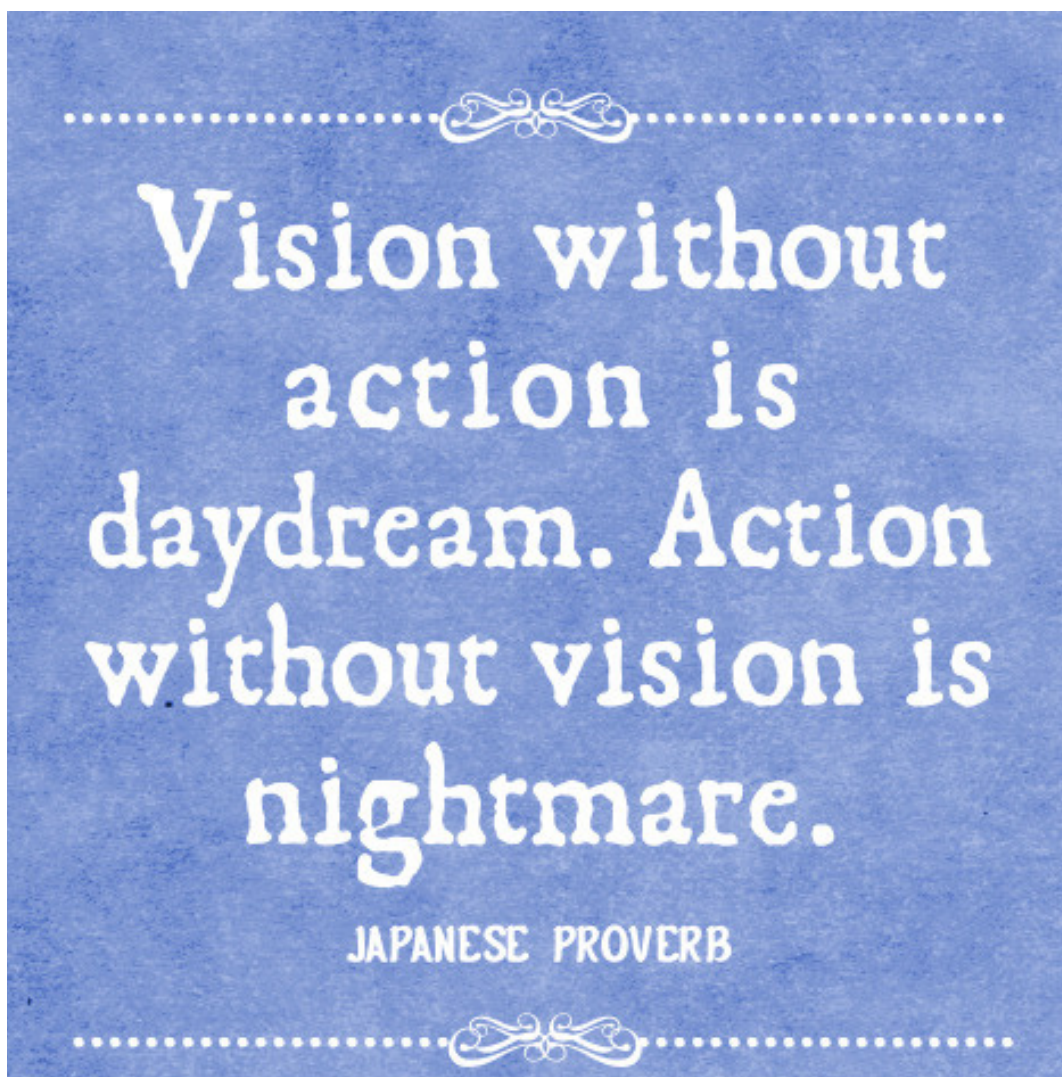
- Important elements at the beginning. However, you don't have to do this for feature stories, where you're allowed to be more creative.
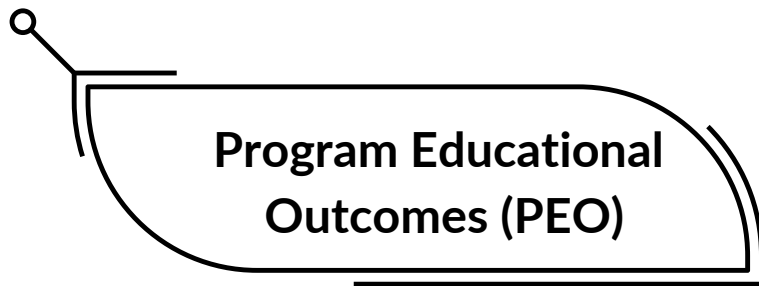
MISSION

- 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

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Vision without action is daydream. Action without vision is nightmare.

JAPANESE PROVERB

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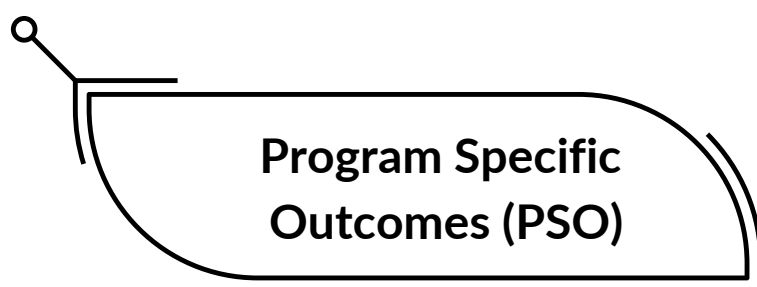
- By the completion of Information Technology program, the student will have following Program specific outcomes.

- 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

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. "

IT Department Gec, Gandhinagar

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.

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

IT Department Gec, Gandhinagar

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
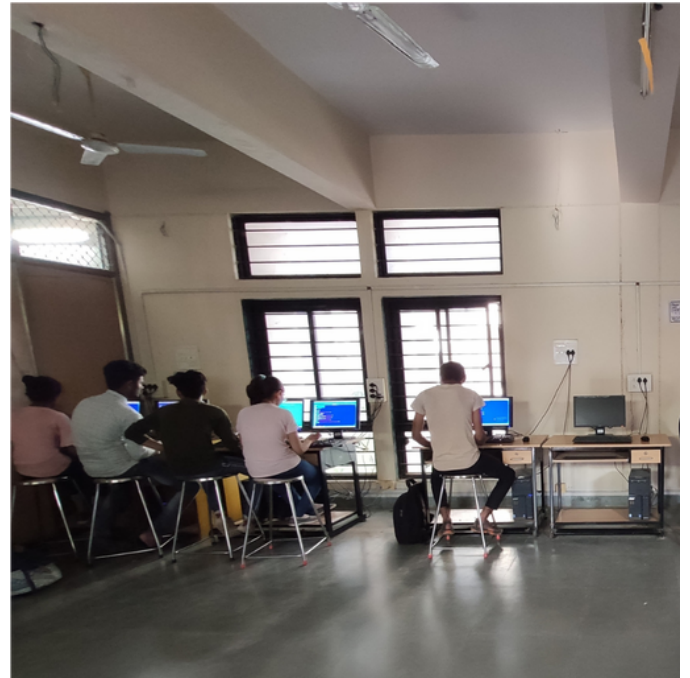
" The goal is to turn data into information, and information into insights. "

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. Anamika Mittal

The laboratory is equipped with a number of desktop computers. Students work on various OS like linux,windows etc.
The objectives of OPERATing Systems Lab (OPERATS) is to introduce the concepts of operating systems, designing principles of operating systems and implementation of operating systems.

" The opposite of networking is not working. "

IT Department Gec, Gandhinagar

7. Digital Lab

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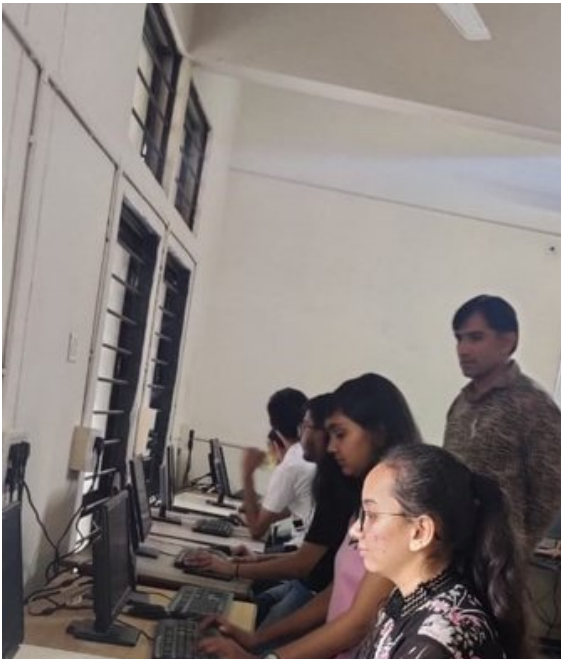
Digital Fundamental is the subject that deals with the fundamental of computer programming and working The digital lab is the place where we deal with machines to get the hands on experience.

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 "

From Student's Desk

" Believe in yourself "

Your limitation - it's only your imagination.

Don't wait for Perfection, Start Now! When we have dreams, we have a passion .when we passion, we want to do it with perfection. Often, when we have some goals, we want to start it with a blast and we want to achieve the best as soon as possible. But things take time. It gets better with time, but the key is to start as soon as possible .

"Our life is full of problems. When we resolve one thing, we found ourselves in another difficulty. Ohh, God!!. Why it's always me?". This is how we keep saying about obstacles in life. Unless everything is going as per our expectations, we are happy.

Problems => Form of Challenge => Opportunity of grow

" ***You are not what you think you are. But what you think You Are!"***. A positive attitude is a person's passport to be better tomorrow. So always think, act and talk with enthusiasm and you will attract positive results.

You can't always control circumstances, but you can control your thoughts. Your attitude is your window to the world. Better keep yourself clean and bright; you are the window through which you must see the world. Our happiness is depends on the quality of our thoughts.

Believing in yourself means having faith in your own capabilities. When you believe in yourself, you can overcome self-doubt and have the confidence to take action and get things done. Vision is the art of seeing things invisible to others.

" ***If you can dream it, you can do it "***.

- Sakshi Rathod (sem-4)

JWST
James Webb Space Telescope

We humans have been long intrigued with stars and galaxies to a point where space is a grene to many fictional works with titles like "Star Wars", and many space explorations.

Here is one of the most important space exploration missions of our decade, JWST was in the works for the last 20 years. It is as big as our volleyball ground and more colder than the nitro biscuit that you ate last year. It can literally peek in the past as it can read the faintest of the infrared. This trendy design is more complicated than a honey bee's comb and folds like origami.

Cool looking and brain teasing are just some of its features.

It was launched on december 25/2021 on christmas after a 2 day delay and the launch was mesmerizing here is a photo of it in outer space just when it ejected.

Links: https://blogs.nasa.gov/webb/
   https://jwst.nasa.gov/content/about/faqs/facts.html#:~:text=Webb%20Key%20Facts%20The%20James%20Webb%20Space%20Telescope,with%20longer%20wavelength%20coverage%20and%20greatly%20improved%20sensitivity.

- Aaditya Chaturvedi (sem-4)

Events

Webinar on hurdles in Startup

7th August 2021

This Webinar was arranged by our very own SSIP cell (Student Startup & Innovation Policy). Under their coordination this event was organized in GEC Gandhinagar.

The agenda of webinar was to make the students aware about the hurdles they will face during the initial days of their startup . The speakers very precisely explained the concept of startups, the way of making it grow and about the Support they will get from SSIP department.

speakers:

Mr. Vishwas Brahmbhatt
Director, Tenaciously Pvt.

Mr Yash Shah
Sr. Cyber Security Engineer,
Bravelle Technologies
Business Advisor - Primary IT Care

Mr. Dhruv Gupta
Head of Operations
 i-TIC Foundation, IIT Hyderabad

Organized By : SSIP Cell , GEC Gandhinagar

Convenor
Prof. Dr K.G. Maradia, Mentor , SSIP Cell, GEC Gandinagar
Prof. Ketan K. Aacharya , SSIP Coordinator , GEC Gandhinagar

Coordinators

Prof . Mahendra N. Patel, SSIP Team Member, IT dept, GEC Gandhinagar

IT Department Gec, Gandhinagar

Teacher's Day

5th September 2021

Parents are a child's first teacher who gives them life lessons and after them comes the Guru or teacher who leads the child ahead in life.

In India, 5th September is celebrated as Teachers' Day as a mark of tribute to the contribution made by teachers to society.

September 5th is the birth anniversary of a great teacher Dr Sarvepalli Radhakrishnan, who was a staunch believer of education and was a well-known diplomat, scholar, the President of India and above all, a teacher.
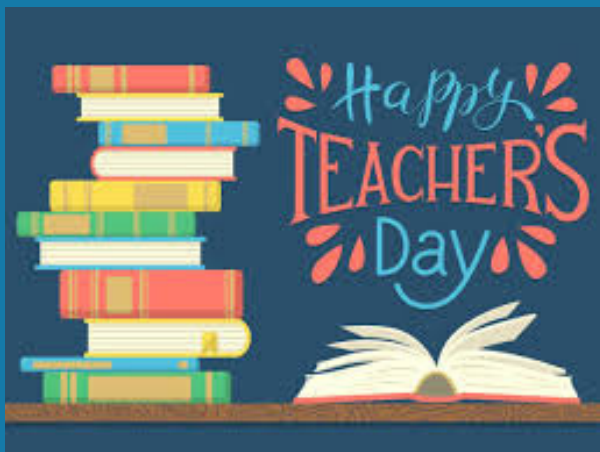
Teachers change lives. Being the right person at the right time may be enough to change a person's life forever. People are constantly changing. Whether for the good or for the bad, we do not stay the same. Having a positive influence in the form of a teacher can make or break a human being. Years after we are out of school, we remember the teachers that changed our lives. In most cases these may have been the first people that believed in us. That experience of having an authority figure believe that we could succeed carries us forever.

IT Department Gec, Gandhinagar

*How students celebrated ?*

Activities

*St*udents returning after a long gap of online education,were excited to celebrate the occasion with joy and enthusiasm and were eager to honour the teachers who were always around during the hard time like guiding light.

Speeches, felicitations, Activities, Games, Quizes, Wins, Enjoyment, teasing and much more....

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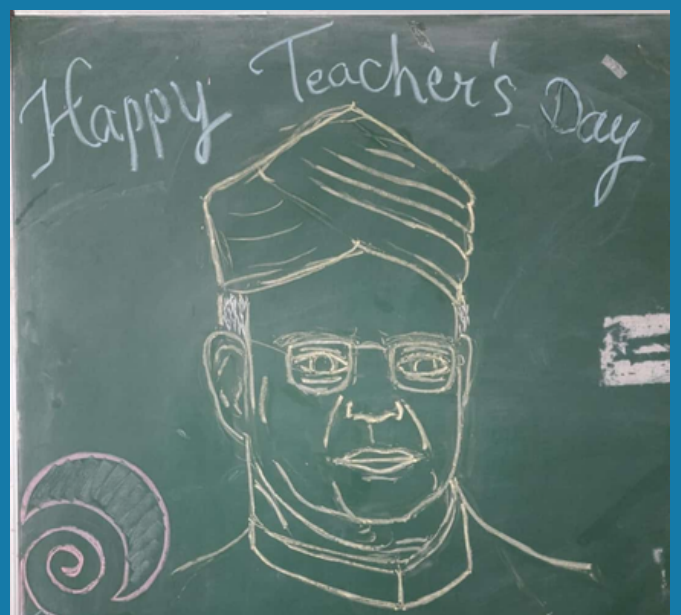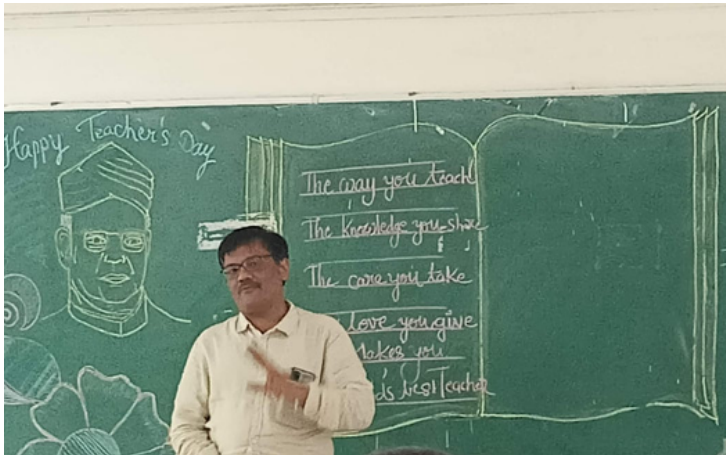
Engineer's Day

15th September 2021

Engineers' Day in India is celebrated on the 15th of September every year. Engineers' Day marks the birth anniversary of Sir Mokshagundam Visvesvaraya who is also popularly known as Sir MV. Engineers' Day is observed on this day because Sir MV was literally the "Builder of India'', the builder of dams and water systems in India. More precisely his work not only boosted the irrigation facilities in the country but also saved a huge number of people from floods. Sir MV is an engineering pioneer of India and his genius approach is reflected in the harnessing of the water resources and buildings and consolidation of dams all across the country.
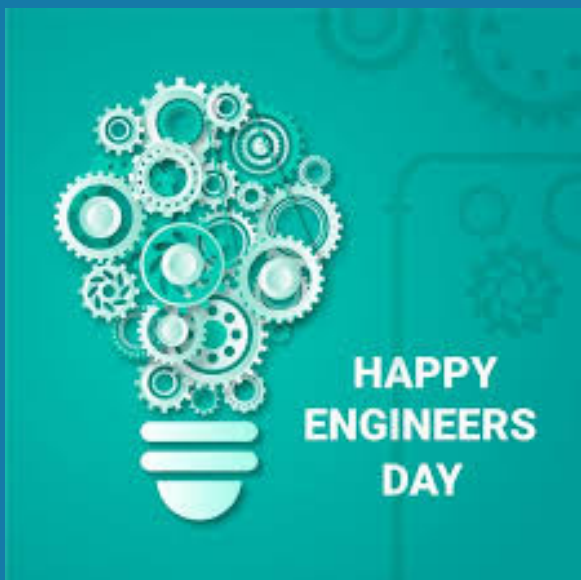
Engineering is a profession in which scientific knowledge and mathematics is used and experimented with to develop ways that benefit mankind, making it extremely important to society for several reasons.

Definition of an engineer: somebody who makes precise guesswork based on unreliable data provided by people with questionable knowledge. Never wrong. Likes tables.

IT Department Gec, Gandhinagar

Being future Engineers, young brains celebrated the dedicated day specially to the hardworking engineers with great josh and had fun with being creative and smart.

Wise talks, Competitions, games, quizes, Github Introduction sessions packed the day out !!

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IT Department Gec, Gandhinagar
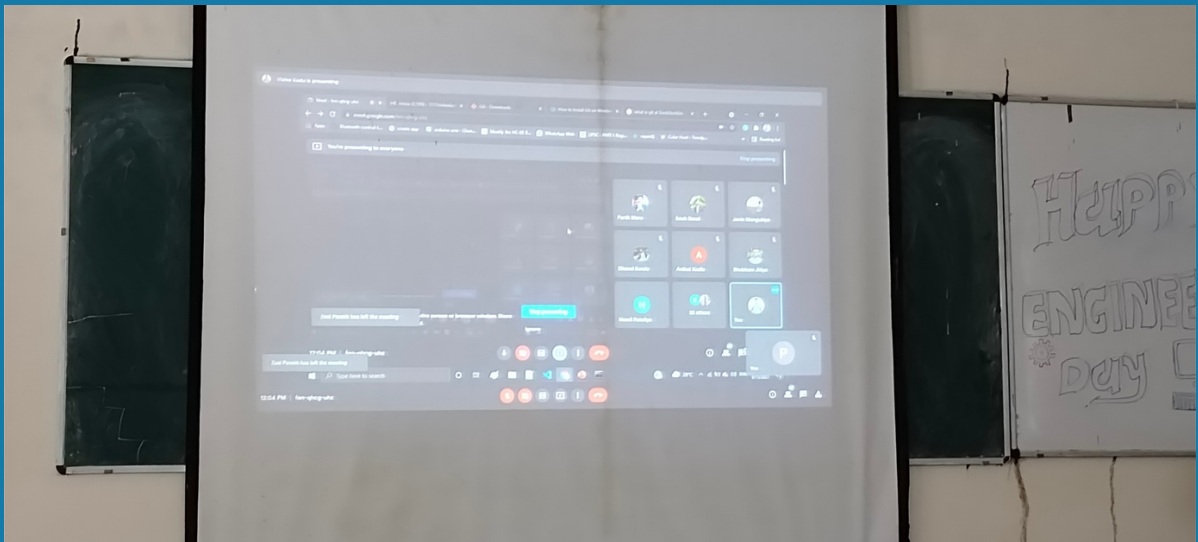
Webinar on "Creativity,innovation & Enterpreneurship

20th September 2021

While innovation and creativity play a big role in the potential success of an entrepreneur, entrepreneurs also need to possess somewhat opposing skills such as organisation, analytical mindset, attention to detail, etc. An entrepreneur cannot only be a dreamer. They need to have the practical skills to bring their dreams and great ideas to life.

Speaker:

Mr Lalit Sharma
faculty @ Enterpreneurship Development Institute of India, Bhat, Gandhinagar, Gujarat

Organized By : SSIP Cell , GEC Gandhinagar

Patron: DR. S.P Dave (principal)
SSIP Mentor: DR K.G Maradia
Professor & Head- EC Department
SSIP Cooradinator: PRof. K.K Acharya
Asst. prof. : IC Department
SSIP Cell member- DR P.K. Nanavati
Asst prof. : Metallurgy Department

IT Department Gec, Gandhinagar

Junior's Orientation

28th september

After your first day of junior year, you are now officially halfway done with your bachelor's degree. That alone is something to celebrate.

It is a time to learn, study and earn good grades, but there is far more to the college experience.

It's always the journey that elates us and not the race. It's always the journey that takes us towards our destination and not the race. Race is just the motion but it's the journey that makes us progress.
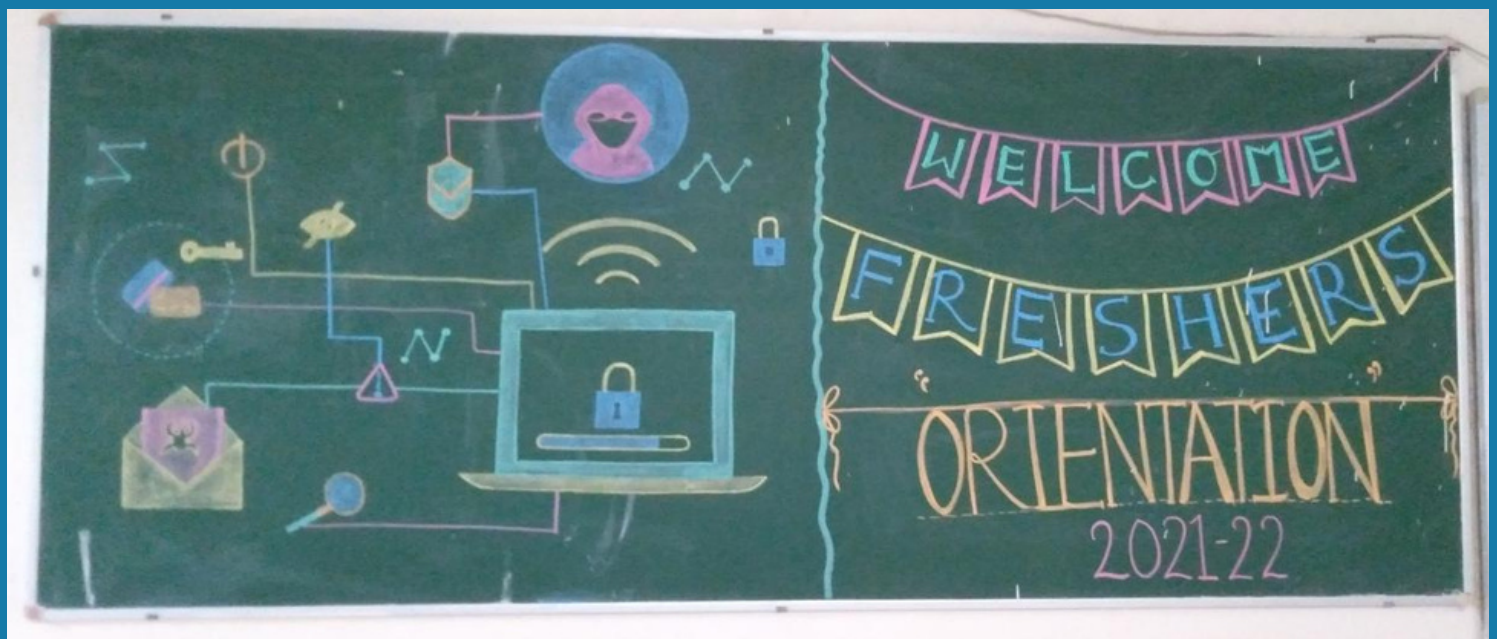

IT Department Gec, Gandhinagar

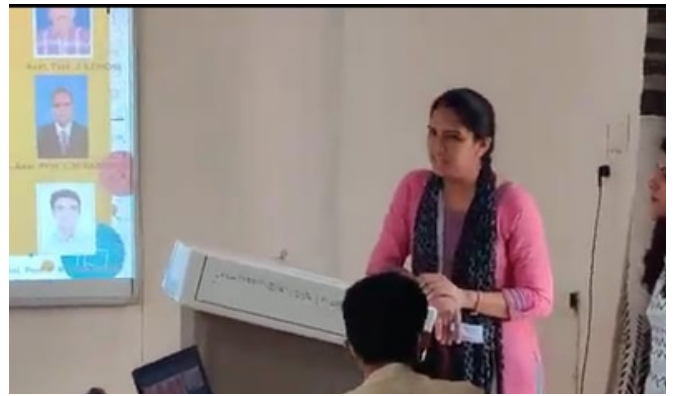*Losing their much time online due to the pandemic, Seniors were set to give a warm welcome to the juniors.*

Thodi si masti thodi si shararat............

Having fun with juniors, Seniors mentoring what to do and what not to do, what should be priority and which mistakes you should avoid.

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Institute Website Launch

7th October 2021

Visit the Wesbite: https://www.gecg28.ac.in/

IT Department Gec, Gandhinagar

Alumni Meet 2021

9th October 2021

The Department of Computer Engineering and Information Technology had organized an alumni meeting for all batches on 9th October 2021 on the Microsoft Team Platform.

Expert talks on different topics were delivered by alumni experts.

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.

PLACEMENTS
2021-2022

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

Placement Coordinator : Prof. C M Kapadiya

NAME	EMAIL - ID	PLACED AT COMPANY	PACKAGE OFFERED (In lacs)
JENEEL DINESHBHAI MISTRY	jeneelmistry1511@gmail.com	Aspire	1.8-2.4
LADVA JAYDEEP	jaydeepladva741@gmail.com	Axelor	3-5
SHAH NANDIT SUHAGKUMAR	nanditshah105@gmail.com	Axelor	3-7
KOSHIYAR HEMANG BHARATBHAI	hemangkoshiyar112@gmail.com	Axelor	3-9
HARDIK DEVALIYA	hardikdevaliya141@gmail.com	Cybercom	2.64-3.12
MAHAMMAD KAIF SAIYAD	mrmksaiyed@gmail.com	Maruti TechLabs	6
HEMAL VINUBHAI PANSURIYA	hemalpansuriya007@gmail.com	Yudiz	3

CHETAN GULABBHAI UKANI	ukanichetan007@gmail.com	Yudiz	3
KAVINA DESAI	desaikavinaa1602@gmail.com	Sarjen	3.05
PRAJAPATI DHWANI	prajapatidhawani@gmail.com	Zignuts	3
MAULIK JOSHI	mbjoshi08@gmail.com	Zignuts	3
SNEH GORECHA	snehgorecha@gmail.com	Tridhya Tech	2.40-3.60
KASHYAP VADHEL	vadhelkashyap43240@gmail.com	Simform	4
KAUMIL PATEL	patelkaumil1611@gmail.com	IndiaNIC Infotech Limited	
DESAI ANIRUDDH PRAVINBHAI	desai.ani.ap@gmail.com	Simform Solutions	
MEET PANCHAL	meetpanchal017@gmail.com	Nautilus Techlabs	

Placement Student Coordinator :
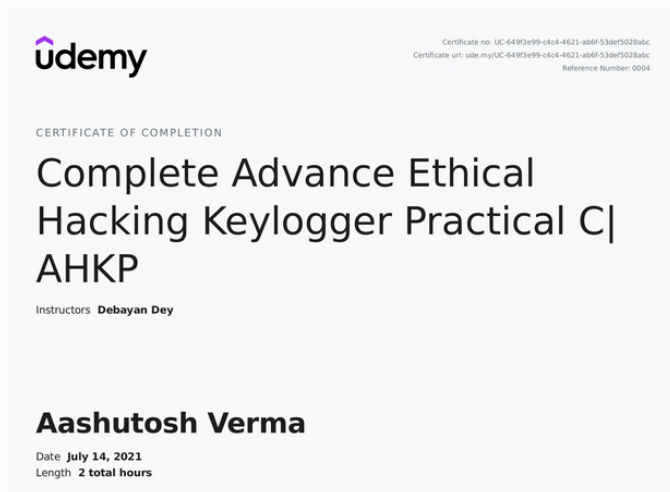1) Akul Upadhyay
2) Nigam Patel

FACULTY ACHIEVEMENT

✓ Prof. Komal D. Anadkat published article on " Effect Of Activation Function In Speech Emotion Recognition On The Ravdess Dataset" in Reliability Theory & Application scopus indexed journal in September 2021.
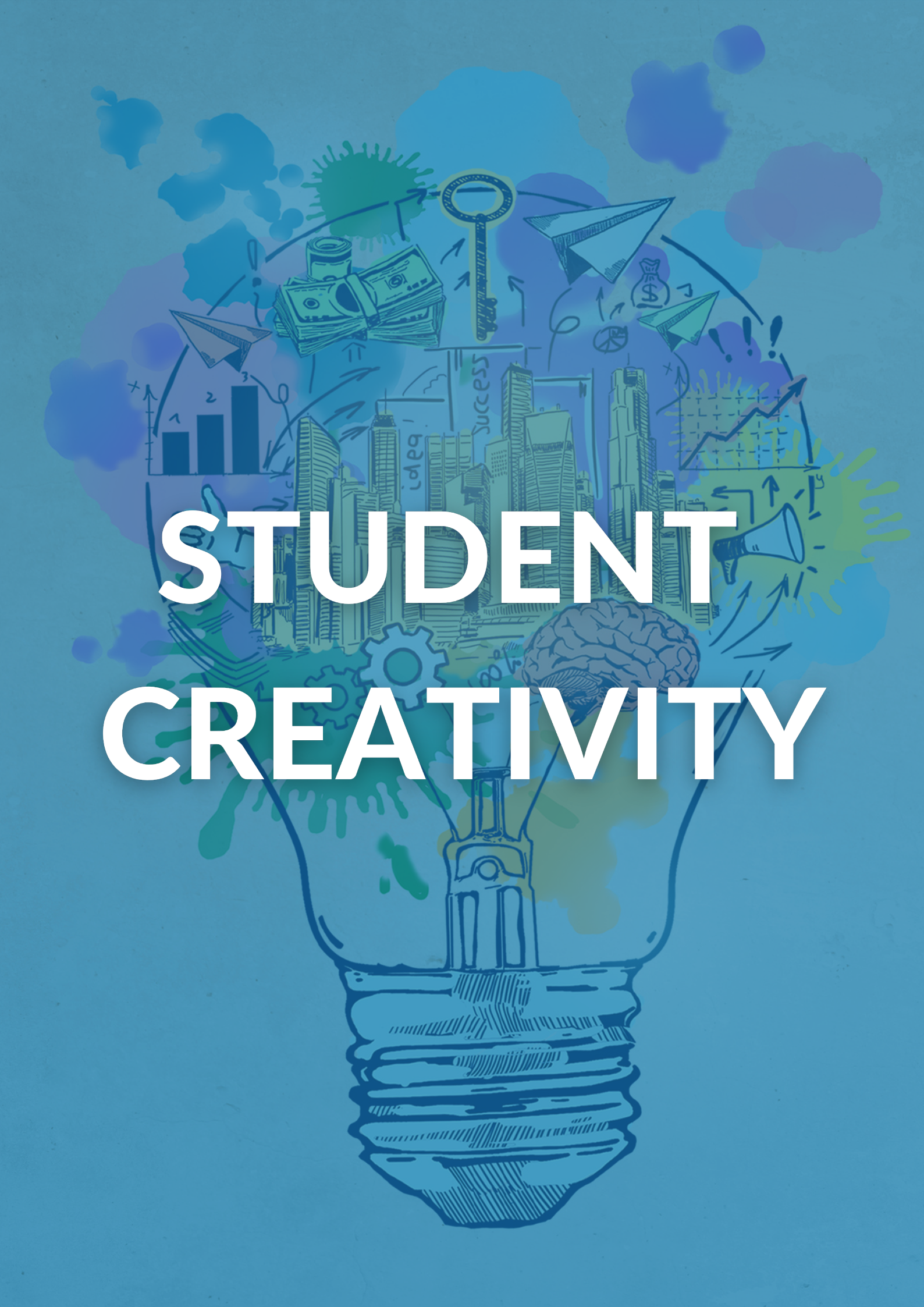
STUDENT ACHIEVEMENTS

We congratulate our all students who shared 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.

Udemy

CERTIFICATE OF COMPLETION

Complete Advance Ethical Hacking Keylogger Practical C| AHKP

Instructors Debayan Dey

Aashutosh Verma

Date July 14, 2021
Length 2 total hours

Certificate no: UC-649f3e99-c4c4-4621-ab6f-53def5028abc
Certificate url: ude.my/UC-649f3e99-c4c4-4621-ab6f-53def5028abc
Reference Number: 0004

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

GDG RANCHI
GOOGLE DEVELOPERS

CERTIFICATE OF COMPLETION

We hereby Recognize

DOBARIYA AESHA SANJAY BHAI

for successfully completing the 7-days long Bootcamp on
"Python and Deep Learning" by ShapeAI in
Collaboration with GDG Ranchi

HARSH AKSHIT
LEAD, GOOGLE DEVELOPER GROUP RANCHI

LinkedIn LEARNING
Certificate of Completion
Congratulations, Bhumisha Vanaliya

Learning Python
Course completed on Jul 26, 2021 at 03:37AM 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

STUDENT CREATIVITY

- Aditya Lad (sem-4)

- Thakkar Ayush (sem-4)

IT Department Gec, Gandhinagar

- Hetvi Parmar (sem-4)

IT Department Gec, Gandhinagar
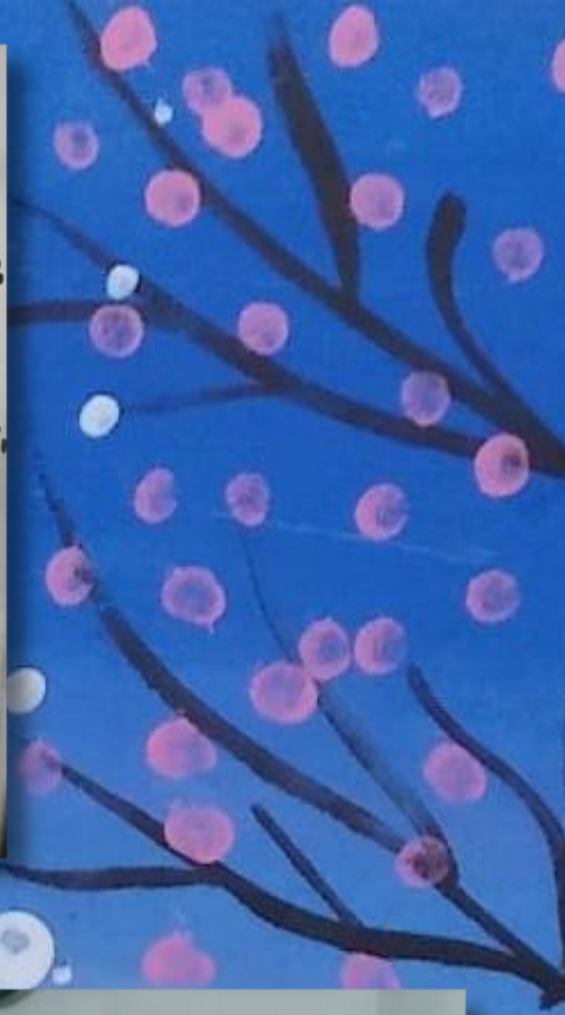
CLUBS AND COMMUNITIES

CLUB IDE

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

GDSC GECGN

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

CODECHEF GECGN CHAPTER

CodeChef College Chapters are the programming clubs run and maintained by the official Chapter Leaders and mentored by CodeChef. They aim to make learning competitive programming accessible for students across the globe. The mission of CodeChef College Chapters is to build a robust, Competitive Programming culture in educational institutions.

CREDITS

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Ayush Solanki (4th Sem)

Smit Kakadiya (4th Sem)

Uttam Makwana (4th Sem)

Get Previous issues here

January-june 2021:
https://drive.google.com/file/d/1GVbiDAMlFKh2z
COYebrZr0itghqZ_1OG/view?usp=sharing

December 2021:
https://drive.google.com/file/d/1Efp4BxEmPV_be
GdEc5yzCryHrKzxawmZ/view?usp=sharing

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https://drive.google.com/file/d/1d14vwCRGDxqs
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