




JAN-2022 TO JUNE-2022

NEWSLETTER 2022

**COMPUTER ENGINEERING DEPT.
GEC, GANDHINAGAR**



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 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 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 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 academics value. I will heartily invite you to join our prestigious organization and become 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 of CE Dept.

WHAT IS COVERED IN THIS ISSUE

1. About GEC,G

2. About CE Department

**3. Vision and
Mission of Institute**

**4. Vision and Mission of
Department**

5. PEO & PSO

6. Faculties of CE Dept

7. Infrastructure Details

8. Student Achievements

9. Faculty Achievements



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.
- 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 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.



About Computer Engineering Department

- Department of Computer Engineering is well posed to cater the needs of the course. It is equipped with well-developed laboratories to satisfy the course curriculum of various subjects related especially to the Computer field.
- The main backbone of the course is educating knowledge of computer and its engineering . Almost all fields are computerized to have ease of handling the problems of designing, manufacturing, maintenance, servicing, researching, marketing and accounting.
- 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 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 requires 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.

JANUARY TO JUNE 2022

GOVERNMENT ENGINEERING COLLEGE, SECTOR-28, GANDHINAGAR

The Official Computer Engineering Department Newsletter



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.



Government Engineering
College, Sector-28 GIDC,
Sector-28, Gandhinagar,
Gujarat 382028



079 2321 5167



<http://www.gecgh.cteguj.in/>



Vision and Mission Of Department

Vision

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

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.

"Education is the most powerful weapon you can use to change the world."

- Nelson Mandela.



Program Educational Outcome (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.
- 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

Programme Specific Outcomes

- By the completion of Computer Engineering 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

Faculties of Computer Engineering Department



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. Pinal J. Patel

It is always better to try and fail than being a failure all the time.



Prof. Pratik Barot

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



Prof N.K. Prajapati

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

Faculties of Computer Engineering Department



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

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



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.

Faculties of Computer Engineering Department



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 the machines.



Prof. Hemani Shah

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



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.

Infrastructure Details

Programming Lab



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

PG Research Lab

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



Infrastructure Details

Database Lab



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

Application Development Lab

- Website Development includes both designing (front end user interface) and code development (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.



Infrastructure Details

Network Lab



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

OOP LAB

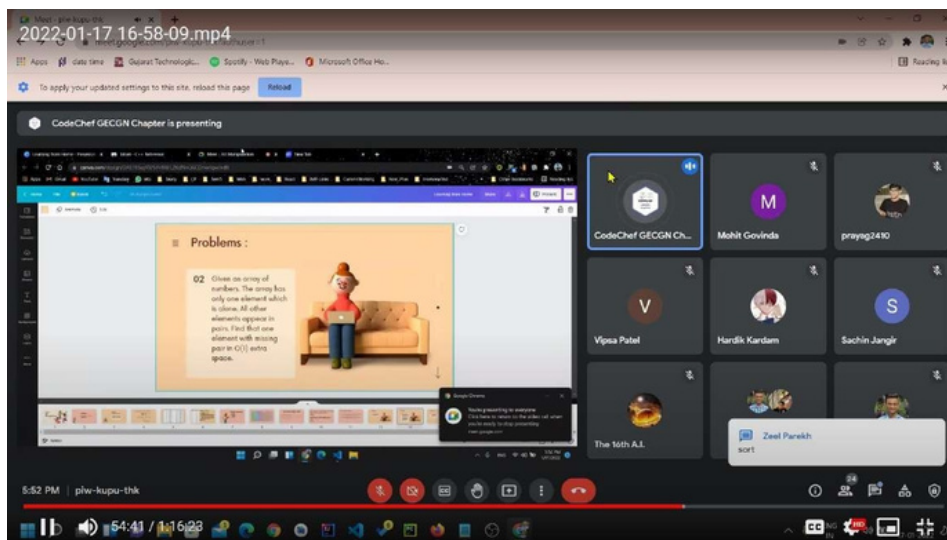
- The laboratory is equipped with a number of desktop computers. The current software resources include a number of Object Oriented Programming SDKs, Integrated Development Environment like Eclipse, EditPlus etc. and Object Oriented Software Engineering tools



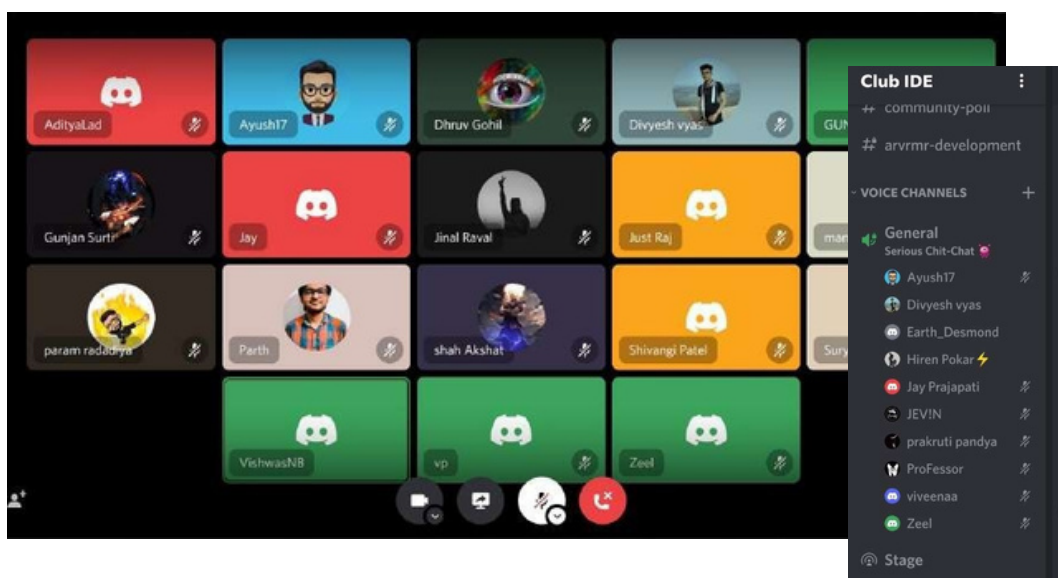
Student Achievements:

Online Events

- **A BIT OF FUN: FUN WITH BITS**
- **Date: 17 January,2022**
- **Attendees: 40+ EVENTS**



- **Dicord Chitchat**
- **Attendees: 22+**



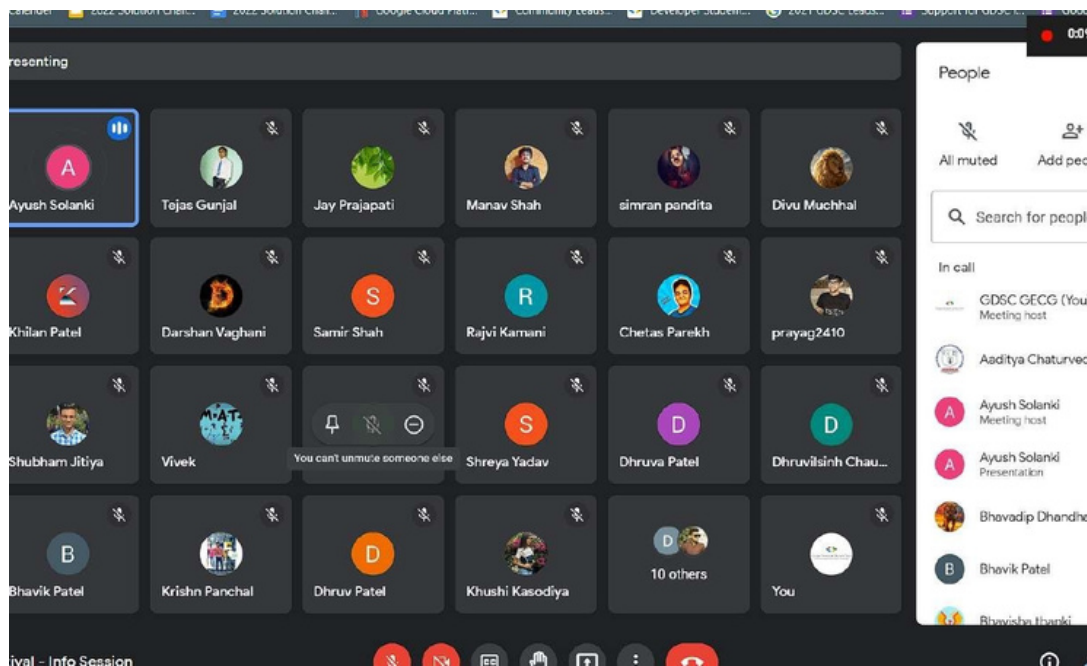
Online Events

- **All about Solution Challenge.**
- **Date: 12 February, 2022**
- **Attendees: 25+**

Solution Challenge

 Google Developer Student Clubs

- **Flutter Festival- Info Session**
- **Date: 25 February, 2022**
- **Attendees: 40+**

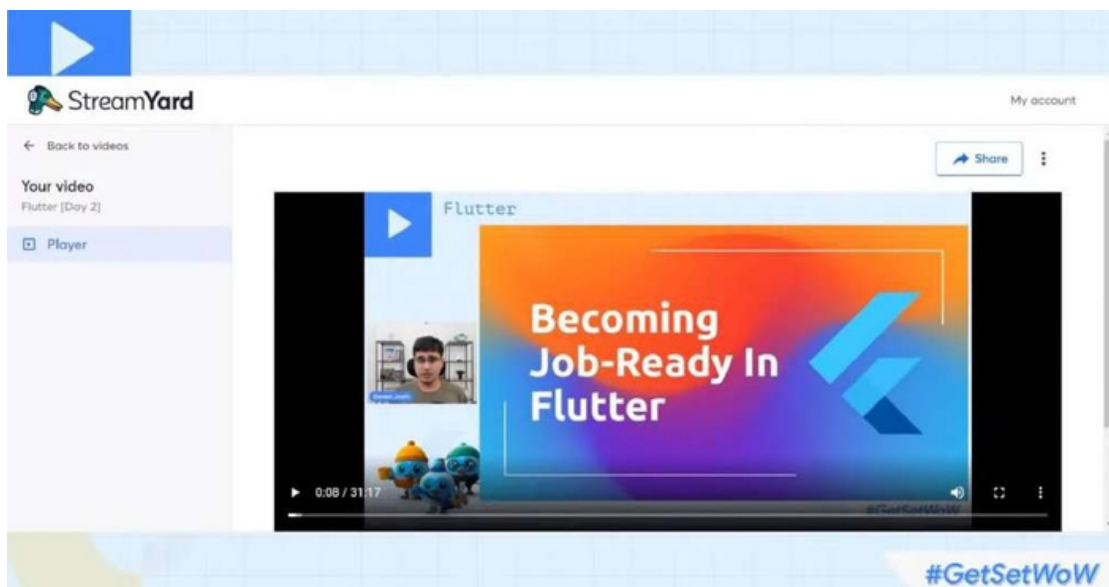


Online Events

- **GDSC WOW : Day 1**
- **Date: 25 January, 2022**
- **YT Views: 9,000+**

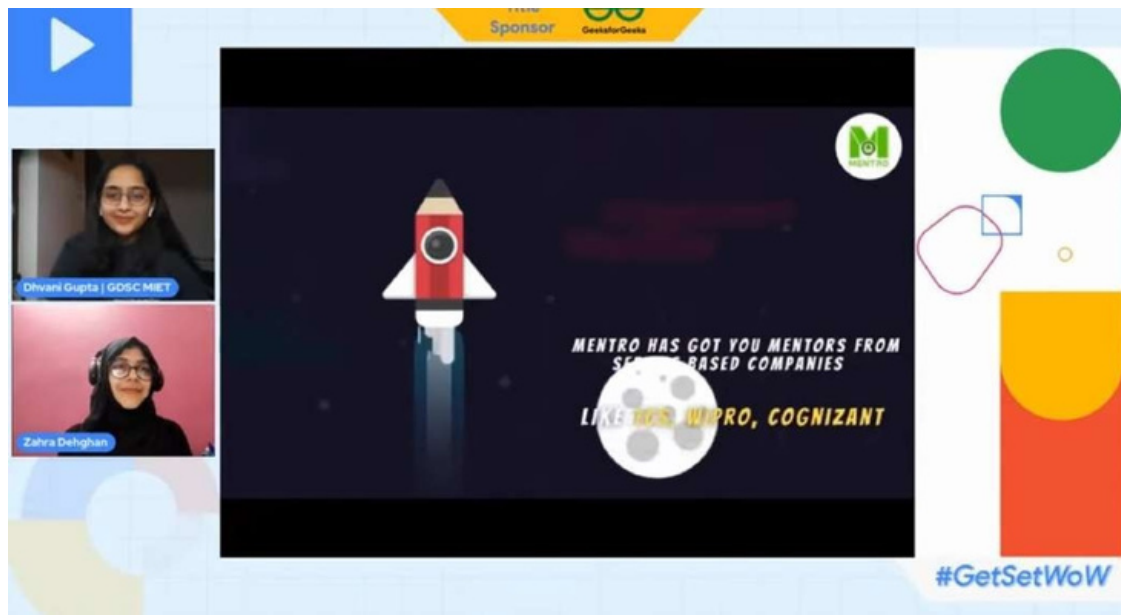


- **GDSC WOW : Day 2**
- **Date: 26 January, 2022**
- **YT Views: 12,000+**

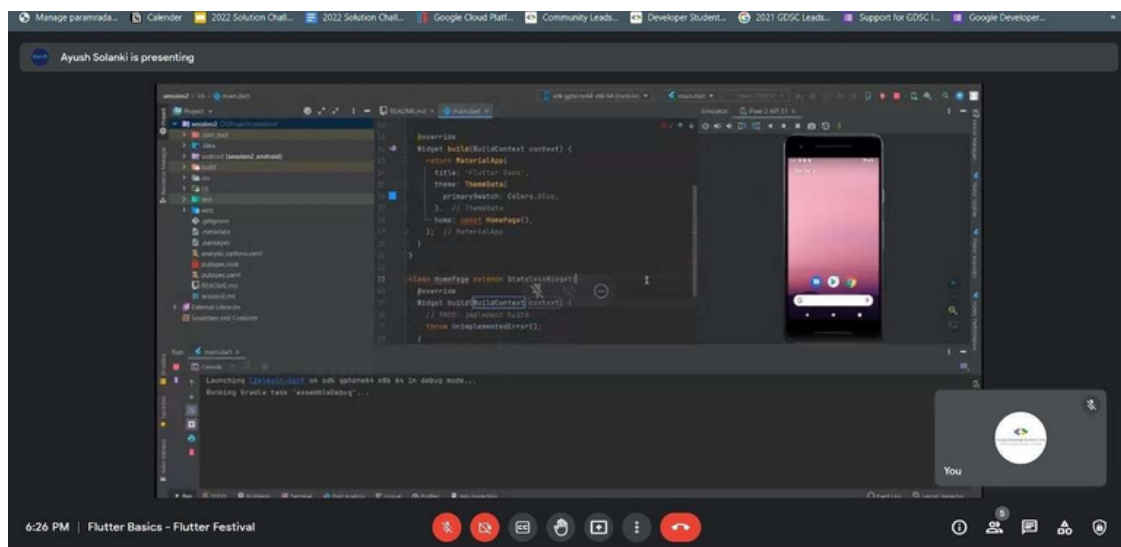


Online Events

- **GDSC WOW : Day 3**
- **Date: 27 January, 2022**
- **YT Views: 13,000+**

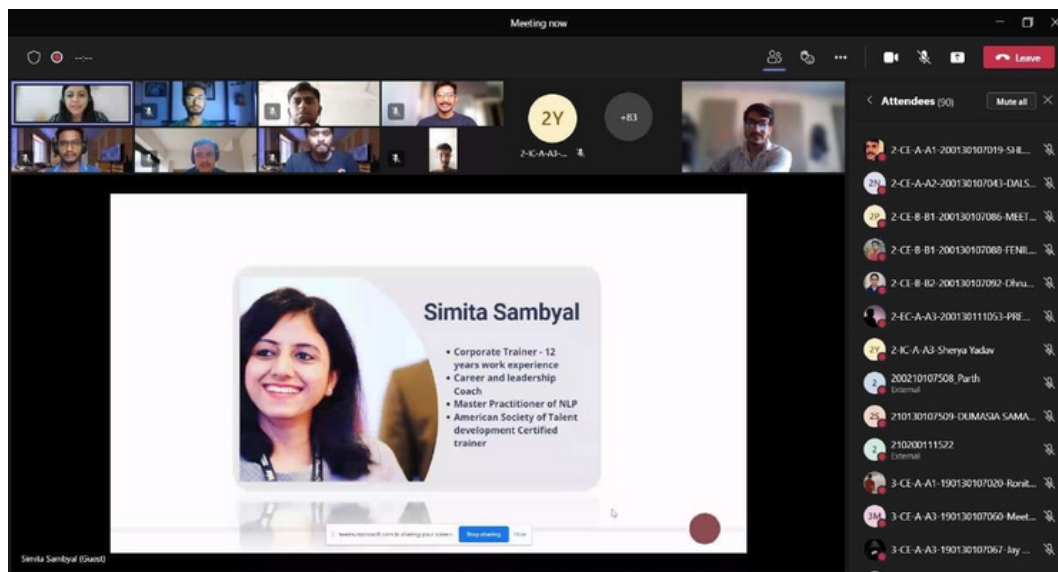


- **Flutter Basics - Flutter Festival**
- **Date: 9 March, 2022**
- **Attendees: 38+**

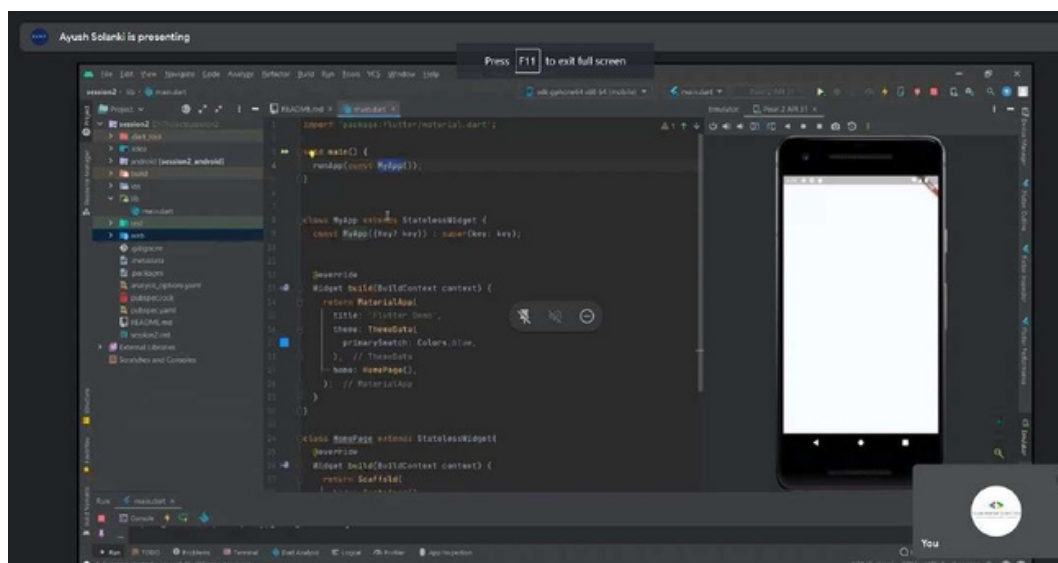


Online Events

- Interview Preparation & Resume Building
- Date: 12 March, 2022
- Attendees: 95+

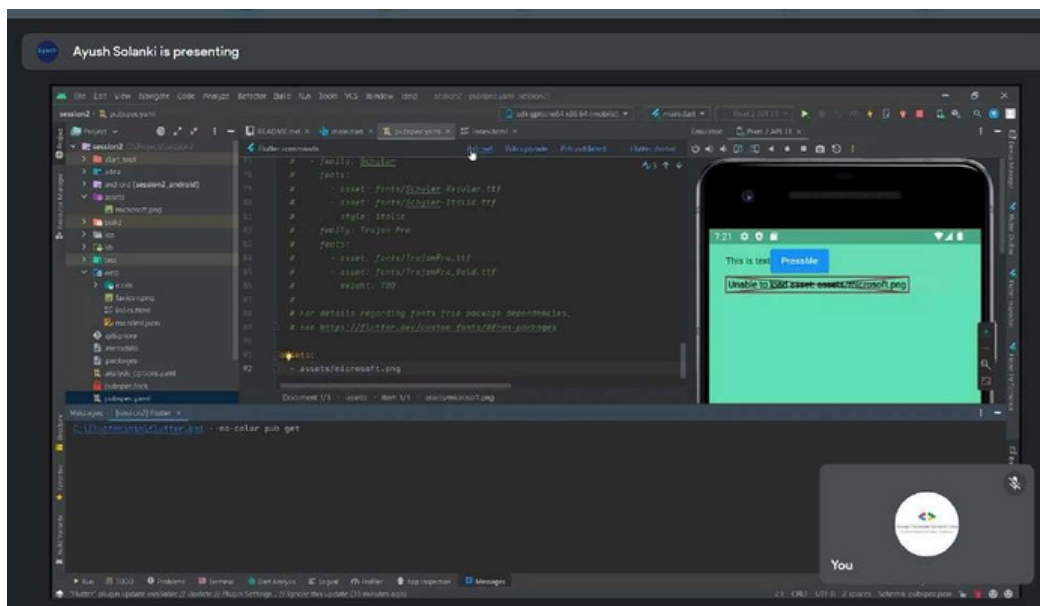


- Building UI - Flutter Festival
- Date: 17 March, 2022
- Attendees: 23+



Online Events

- **APIs with Flutter**
- **Date: 19 March, 2022**
- **Attendees: 15+**

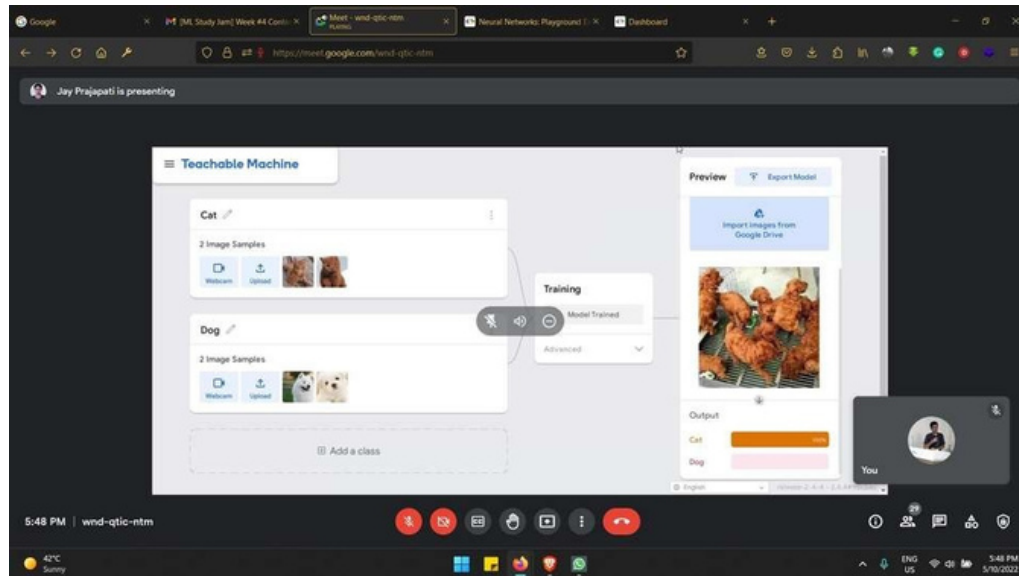


- **Firebase with Flutter**
- **Date: 26 March, 2022**
- **YT Views: 25+**

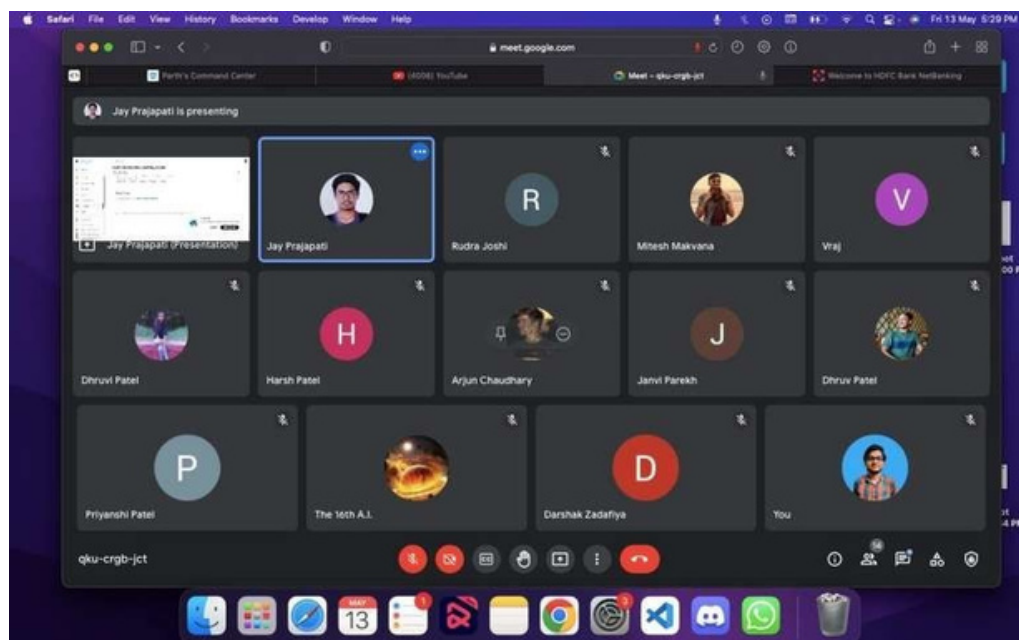


Online Events

- **Explore ML with Neural Networks - ML StudyJams**
- **Date: 10 May, 2022**
- **Attendees: 70+**

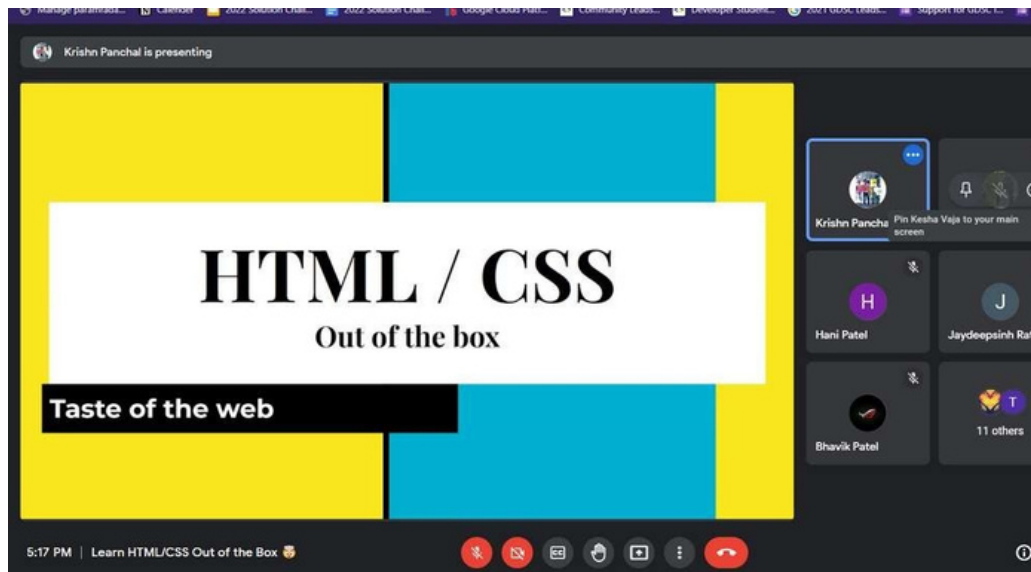


- **Build a firstmodel using python**
- **Date: 13 May, 2022**
- **Attendees: 45+**

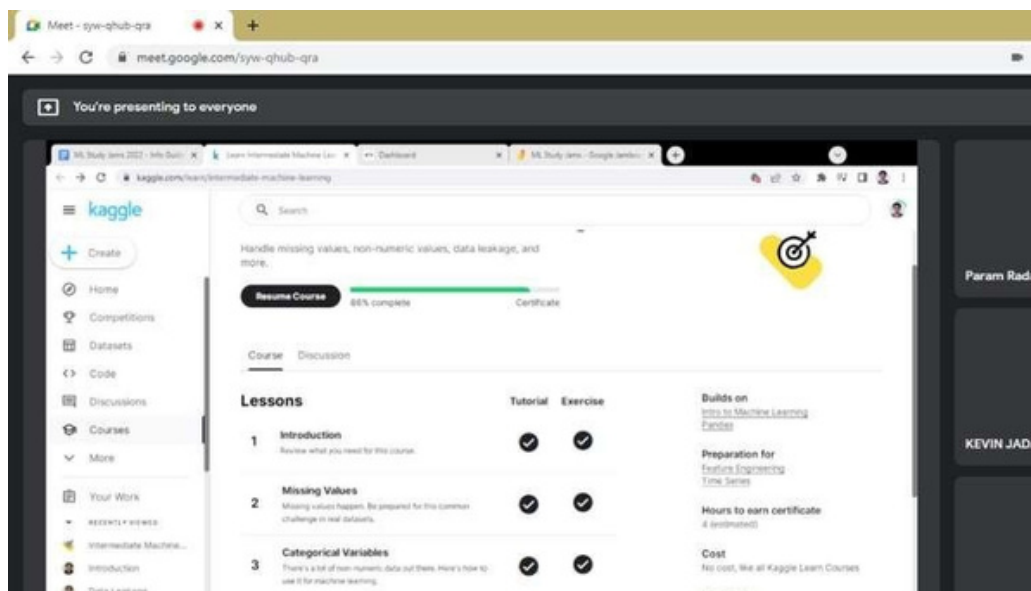


Online Events

- **Learn HTML/CSS Out of the Box**
- **Date: 18 May, 2022**
- **Attendees: 25+**



- **Intermediate MachineLearning - ML Study Jams**
- **Date: 21 May, 2022**
- **Attendees: 10+**



Online Events

- C/CPP for Competitive Programming BOOTCAMP
- Registration : 180+ (from various colleges like GEC Modasa, LDCE, GEC Patan, GIT, SIT)
- Average Participation: 70+



Offline Events



- Finally offline events are going to be held as per COVID guidelines. We have started Personality development activity.
- Personality development is described as the process of improving and grooming one's outer and inner self in order to make a positive difference in one's life.
- Now, more than 40+ students are doing activities like Public speaking, event hosting, Group Discussions on tech topics, Idea Sharing, and much more...
- You can join us at sharp 10:00 AM, in 5001(Seminar room) on regular college days, if you're interested.

Offline Events



Offline Events

Google Developers Student Club - GECG conducted its first-ever offline session under the ML Study Jams Campaign where we had 170+ attendees and a successful Kahoot quiz on topics discussed in the session. And Top 3 Winners got amazing schwag from GDSC-GECG and Club IDE.



- **Community Leads Meetup & Round-table discussion**



- Google has organized Reconnect. Rethink. Reboot. Event for the GDEs, GDGs, GDSC Leads, Faculty Experts on 19th March.

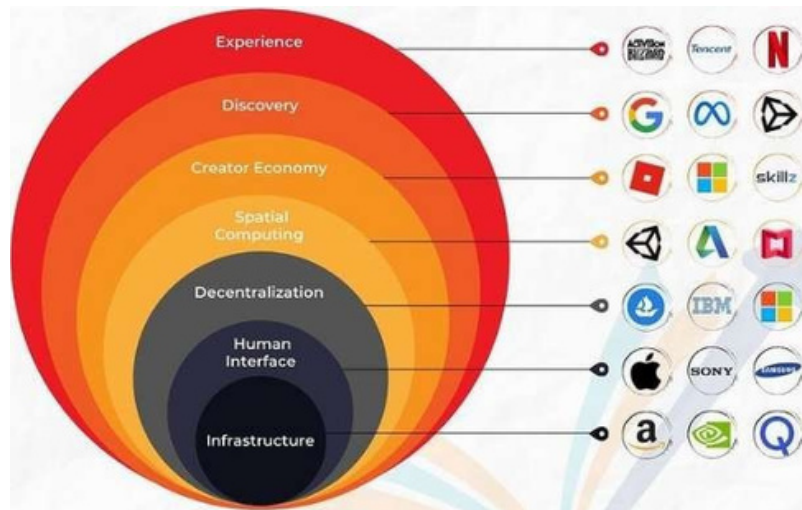
• STILL LEARNING ALWAYS LEARNING

- Knowledge means the theoretical or practical understanding of a subject. There is a big difference between knowledge and knowing. To know is like you know the sun rises in the east but to have the knowledge means to know that the sun rises in the east because the earth rotates from west to east.
- **Understand the difference?**
- It's not necessary to have such scientific knowledge. But it is necessary to have some knowledge. You can never learn and know about all the things worldwide in just a single life. So when someone tries to teach you something new or tries to tell you something about which you have never heard before then pay attention to it. Show some interest in it. You never know when that might be useful to you. Life is unpredictable. You may be a billionaire tomorrow or you may be a fast-food worker. Anyways, all that is under God.
- We just need to play our roles perfectly. Never say no to know something new. You should have that hunger inside you. Your hunger should never diminish. You have to have that bookworm somewhere inside. You have to have that interest to learn from anything and everything.
- Sometimes you also have that knowledge but there's is no harm if you act foolishly. When someone teaches you something they do it from their heart. And we all know how it feels when a heart is broken (almost all of us know). So better listen to them instead of acting over-smart.

"Stay hungry, stay foolish." – Steve Jobs

- Show your moves on the stage, not backstage.

• THE META-VERSE



- Metaverse is a virtual-reality space in which users can interact with a computer-generated environment and other users. A metaverse is a network of 3D virtual worlds focused on social connection. 3D spaces in the metaverse will let you socialize, learn, collaborate and play in ways that go beyond what we can imagine. Technologies that make up the metaverse combine aspects of the digital and physical worlds. Metaverse is the term used to define a huge persistent 3D world where people can interact with digital objects and virtual worlds.

• Technologies Behind Metaverse

◦ Virtual Reality (VR)

- Virtual Reality is a computer-generated simulation of an alternate world or reality. It is used in 3D movies and video games. It helps to create simulations similar to the real world and immerse the viewer using computers and sensory devices like headsets and gloves.
- Apart from games and entertainment, virtual reality is also used for training, education, and science. This is an experience that simulates realistic situations. By providing virtual reality (VR)-based wearables that transport people to an alternate virtual world from the comfort of their own homes, the Metaverse can potentially disrupt various industries further using this technology.

- **Augmented Reality (AR)**

- Augmented Reality is a perfect blend of the digital world and the physical elements to create an artificial environment. Apps built using AR blend digital components into the real world.
- This is an experience where designers enhance parts of a user's physical world with computer-generated input. Eventually, AR contact lenses and AR glasses could be used to augment the world around us and facilitate virtual assistants with the help of sophisticated artificial intelligence. This technology would help us navigate both the real and virtual worlds in the metaverse.

- **Artificial Intelligence (AI)**

- Unreal Engines made a human creator play a major part in creating human look-alike characters. And if and when these characters can exhibit general artificial intelligence, the results can be amazing and surreal. AI technology can help us streamline the creation of Metaverse assets, such as characters, landscapes, buildings, character routines, and more; we may see a future where advanced AI capabilities are integrated with game engines such as Unreal Engine. Accurate avatar creation, Digital humans, Multilingual accessibility, etc are the applications of AI in metaverse..

- **Blockchain**

- Blockchain technology in a decentralized Metaverse would be an ideal currency for facilitating quick and secure digital transactions. Blockchain is a shared database that allows multiple parties to access data and verify that data in real-time. Blockchain technology offers a decentralized and transparent solution for digital evidence of ownership, digital collectability, value transfer, governance, accessibility, and interoperability. Cryptocurrencies allow people to transfer value in the 3D digital environment while working and socializing.

- **ROUTINE**

"If you think adventure is dangerous, try routine, it is lethal"

- **What are routine?**

- Routine is a practice that can where you schedule your whole day and spend your time according to it whether it be doing something productive or just watching some web series in between.

"The secret of your future is hidden in your daily routine."

- **Why do you need routine?**

- Routine is very important to keep account of your time. For going on a short date or a short trip if we plan very wisely then it is about our whole day and our important tasks so you have to plan it.

- **Everything about routine**

- As routines are meant to be followed every day without any change, it should not be hectic or boring because if you cannot find your routine interesting then you'll end up not following it after some days. To make the routine interesting first thing you need to have in mind is it should be realistic. It shouldn't have some ideal or unreal goals. Every person has their own personality and according to that, all should have unique routine also where you should not copy your routine watching anyone else's but yes you can get inspired from them and arrange yours according to your body needs.
- But here by inspiration i meant you should analyse routines of some successful person and see take the best out of it. Take out some specific points and try to include them in your schedule.
- As we have seen about routine and needs of routine now let us see some tips to successfully implement our routine

- **ROUTINE**

- **Brakes are important**

- We cannot constantly do one thing without distracting once and after doing it for some time we will feel boredom to overcome this we should include breaks in our schedule where you will pass your time doing your favourite activities. Brakes are important wether it is in a day in a week or in a year.
- In daily routine Pomodoro technic is the best way to implement brakes. In this technic, the concept is to work for some hours and taking brake for few minutes. In an hour it can be implemented as working for 55 minutes continuously and then taking a break for rest of 5 minutes where you just stretch out your bodies and walk around to the balcony.
- In a weekly routine as best practice you should take a day off or a day when you do some entertaining activities either it be playing, watching movie or netflix etc.

- **You can never be the same**

- You create schedule to follow it around a day but. you should plan it in a way that it is not same all over the day because one thing you need to keep in mind that you can never be the same. You have different hours where your productivity is very high and some hours are there in some hours you will do massive work and on the other side you'll end up doing few tasks in the same time on non-peak hours. Here comes the prioritising your tasks in a day. If you do not prioritise your tasks you will end up doing less meaningful tasks in the peak hours and won't have energy for the important tasks.
- As per 80-20 rule you complete your 80% important work in less than 20% of total time.
- so you should create your timetable in a way that you do not waste your energy in 20% of less meaningful work.

• ROUTINE

- Ancient Indian Ayurveda also tells that according to your personality and combination of 'rasa' in your body you will have different behaviour towards day, different habits and need for sleep. Accordingly, you should create the same on your nature. In Ayurveda it is defined that early morning or late night is the best time to work where your energies are high. Morning time is best for grasping knowledge and studying.
- Here taking a glance at my routine some of you will feel that I should also follow parth and decrease my sleep hours and I will become more productive but there is a catch that every person has their different body needs, different peak hours and also different habits. So you should not copy anyone else's schedule and create your own according to your body needs. How much time you give or how many hours you work is not an important thing but how productive you are during that time is a very important thing. If you rigidly follow a routine of someone other then you'll endup forcing your body to follow the same and will stop following after some days. so it is better to create one for your own. One main thing you need to focus on is that being busy and successful are not the same boat.
- If you have created your routine table and you are unable to implement it successfully then one thing you can do is maintain a task checklist and journal and after EOD you just evaluate yourself and give yourself a rating according to it only. You try to that graph of a rating does not have a negative slope.
- At last I just want to add that routine is a very important thing to be planned out and everyone should have one and stick to it. You should not copy it from anyone else's and create your own based on your work and needs. Push yourself to make your schedule your habit and follow it with taking brakes, think weeks and work with enjoyment.

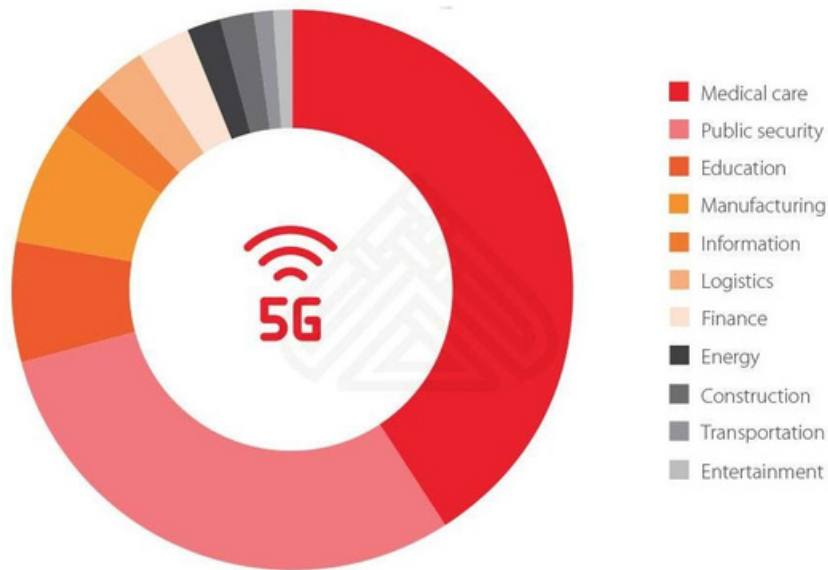


• 5G TECHNOLOGY

- 5G is the fifth-generation wireless connectivity that would make digitalization more accessible for businesses, public services, and individual households to reap the benefits of IoT, industry 4.0, and the explosion of intelligent devices. The next generation of wireless connectivity, or 5G, acts as a catalyst that promotes the advancement of intelligent connectivity. With speeds up to 100x faster than 4G LTE, 5G networks offer unlimited mobile broadband, low latency, ultra-high reliability, and massive machine-to-machine communications.
- 5G and other cellular mobile networks such as 4G LTE use radio waves or radio frequency (RF) electromagnetic fields (EMF) to communicate with the base stations. However, 5G utilizes a higher EMF spectrum with higher frequencies. Moreover, 5G uses a new digital technology that enables devices to connect with multiple base stations and antennas simultaneously with multiple targeted beams to provide 5G users with enhanced speed and bandwidth within a wide coverage area. This technology is called Massive MIMO, which stands for Multiple-Input Multiple-Output.
- **3 Types Of 5G Networks:**
 - **Low Band 5G:**
 - Lowband spectrum 5G is best understood as a blanket layer for nationwide coverage. It will be a baseline level of 5G. One low band 5G tower — transmitting on the same frequency that was once used for TV broadcasts.
 - **Mid-Band 5G:**
 - About six times faster than 4G LTE, mid-band 5G is likely to be more available in major metropolitan areas of the United States. Midband 5G offers service within smaller areas compared to low band 5G, and because carriers can allocate more resources in mid band, data speeds are higher than for low band 5G.

• 5G TECHNOLOGY

Sector Distribution of 5G Applications amid COVID-19



◦ High Band 5G (MmWave):

- Characterized by extremely low latency and approximately 10 times faster than 4G LTE networks, millimeter wave (mmWave) 5G enables messages to transmit almost immediately, but it requires close proximity to a tower.

◦ 5G vs. 4G

- 5G may have the capacity to handle up to a million devices per square kilometre³. You will have less concern with dropped connections or how many devices you have connected to the network, it's that much more reliable.
- 4G will offer essential support to the 5G networks and act as a bridge between the major cities. 4G will also continue to provide coverage in the less populated areas of Australia. As Telstra and Optus have already demonstrated with their first phase plans for their 5G rollout, that 4G and 5G networks will work together.

• VALUE ADDITION



*"Be assertive, be attentive and be creative.
The world needs people who can add value."*

- Sometimes ago I shared A quote on Twitter that says," People will not consider you or listen to you until you add value to their life whether it could be your social media audience, your teammate, etc."
- From my perspective, this quote has a deep meaning so let us try to understand it in the next few paragraphs.
- Now you imagine a situation where I am a creator(expect the entertainment industry) and you are my audience, so think about a question "Why would you watch me?"
- The answer to that from your side will probably be, "You may be teaching us something or telling us something that will be helpful for us." Here your answer indicates that you will watch my content if I am giving you something that can help you to improve. It could be your lifestyle, studies, concentration power, health, etc. That's what I call adding values.
- The above example is based on social media but trusts me it is applicable everywhere in the world. If you are adding values to another person's life they will consider you, your decisions, and will also in return add value to your life. So try to add values to more and more people's lives.
- This was all we talked about values and their importance. Now many of you might have a question that what could I do to add value to people's lives, may I also start posting on social media? or How can I add values to other people's lives?

- **VALUE ADDITION**

- Look adding values does not only mean motivating them through social media or other ways. Everyone has their own definition for that. For some people teaching others or helping others with their problems could be adding value. For some people, it could be sharing information with others or help others with managing their finances.
- Now you have to decide the definition of adding value from your end, which means that what you can do to add values to another person's lives. That can be teaching and helping in the field you are better at. Here are no such boundaries of doing so. It is only up to you how you define and how do you think.
- So that was the deep meaning of this tweet. Hope you found it useful and I have added value to your life. If you liked my blog so subscribe to the blog so that you can get a notification as I post a new blog. You can also check my Twitter where I share my thoughts all links are down there.

- BY PARTH PARMAR (CE SEM - 4)



- **QUALITY OF WORK & TIME**



"Your future is created by what you do today, not tomorrow"

- Most of us might be facing problems related to time and pending work. Also, we know how much important is time management skill. To do something, it is not important to take much amount of time but important is that quality time and task. In my perspective, you just have to take the right decision at right time. You have to do today's task. Thus, don't need to worry about tomorrow. If you will make the right decision but the time is wrong then your decision will become wrong, too. This type of choice can demotivate you and you will be going away from your path to go up.
- Let me make clear about this quality of work and time. All of you know Virat Kohli, he is known for his fitness as well. To maintain his fitness, he is only managing time and quality of exercise. He exercises only 5 days for 3-4 hours a week and is a man among most fit athletes. We have to do the same as him. Make your timetable on your own and follow it. You don't need to do a task or job the whole day, but find your interesting time within particular work. For example, if you enjoy reading at night then why are you waking up early? It won't be productive. Don't follow others' timetables for your work because it's his/her choice.

• **QUALITY OF WORK & TIME**

- There are 2H (How and How much), which are very important. First of all, enlist your work/tasks on daily basis. Now observe those tasks for 10 minutes and ask yourself how can you do? How much time do you need? and enlist your thoughts. Now select one proper and suitable method to finish your task from this list. If you make the right decision then half of the work is done here. You must take the minimum amount of time to reach your goals. It means not to do multiple tasks at a time but do tasks in a part. You should make parts in a moderate way such that they shouldn't remain too short as well as too large. Once your part is allocated to any certain task then complete it first and after it does any other work. After completion of these works, prepare a note of those to get an idea about your pending/completed works. After done with one part there must be a short relaxing time and then restart this round constantly until your goal is accomplished.
- This is my small perspective on daily work and the time to do it. So just try and try to become regular because it never happened in just one day but it will be in one day, sure. You just have to take care of your routine only for 4-5 hours per day. As suggested in the first line, you have to stay with you only for today and you will be with you tomorrow automatically

- BY MITESH MAKVANA (CE SEM - 4)

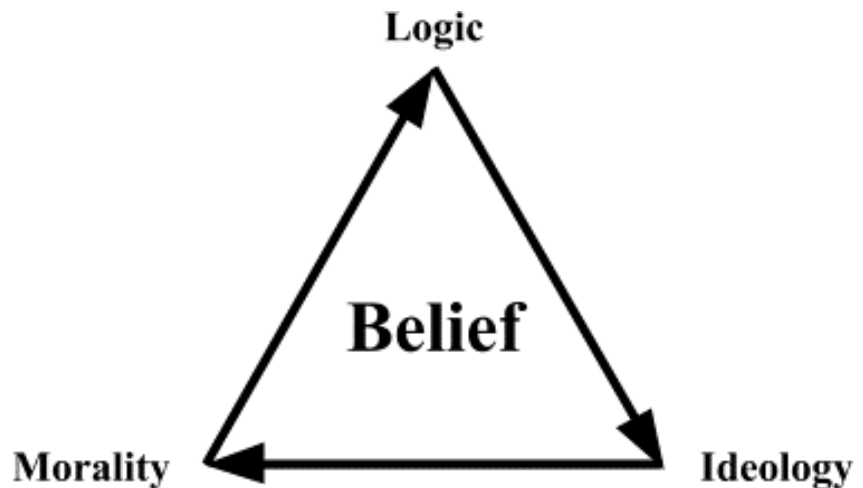
• JWST FOLLOW UP



- We humans have been long intrigued with stars and galaxies to a point where space is a genre 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 colder than the nitro biscuit that you ate last year. It can peek into 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.
- NASA launched its latest "Star Hunter", last year Christmas. It was in working for the last 20 years, It is quite a powerful and cool piece of technology, humans have been sent into space.
- To start working it needed 6 months of preparations. It is now in its final stage.

Blogs

- **BELIEFS**



"You are what you think and with your thoughts, you make the world"

- **What are Beliefs?**

- Whatever we have stored within us is our belief. Everything that you do or say reflects your beliefs. Every action of yours and every word you utter reflects your beliefs.
- For instance, when I say(As an Engineering Student), "I can do whatever it takes to complete the whole syllabus before the exam night", that's my belief about my abilities. Even whom you think you are is shaped by your belief.

- **Where do Beliefs come from?**

- **1. From What We Hear**

- This is the most powerful way to condition our minds. What other people tell us(verbal communication) goes a longway in shaping our belief system. We begin forming our beliefs as early as we learn our language and start interacting with the people around us.

- **2. From What We See**

- "Monkey sees, monkey do". Generally speaking, we tend to be identical to or precisely opposite to one or both of our parents. A striking example is a behavior or the body language of our parents which we observe and later admire to be like them.

- **BELIEFS**

- **3. From What We Experience**

- Each of us has our history in the form of our unique experience. These experiences form the illusions that we are now living in. For instance, Let's say you took an exam on basic maths. Taking the exam was action-A. You didn't read the question properly as it was specified that add two numbers when the sign of minus is there and vice versa ($2-2=4, 2+2=0$). The result was you didn't qualify. This consequence-C may have led you to think that logical questions are out of my domain. That's the belief-B. Thus, you form a triangle of belief A-B-C. Ultimately, you get into a convenient belief because you do not want to confront the real reason behind your disqualification.

- **How to change the limiting belief?**

- Since our beliefs are formed by hearing, seeing, experiencing, and reading, changing non-serving beliefs will happen only when we hear, see, experience, and read things that help us replace them with beliefs that serve us well.
- A change of beliefs requires a change of mindset. It is what is inside that matters. Following are some of how you may change your beliefs:

- **1. Awareness of the Beliefs**

- You cannot change something unless you know it exists. People attribute their failures to a host of things, unaware that it is the non-serving blueprint that is holding them back from succeeding in their specific domain.

- **2. Identifying its Source**

- One needs to know the source of a belief. Does it come from seeing something? Or from hearing someone? Has the belief come from experience or reading?

- **BELIEFS**

- **3. Know the Emotion**

- The next step is to know whether that belief has an emotion attached to it. The stronger the emotion stored behind a belief, the longer it takes to change it, and the more work you need to do to let go of that belief.

- **4. Replace**

- Replace the non-serving belief with positive powerful statements, when made emphatically with full energy can have a profound effect, on changing your blueprint. We know that everything around us is made up of energy, which travels in vibrations. Therefore, when you make these powerful statements aloud, these positive vibrations travel through your mind and body.
- For instance, if I want to become a professional trader, I will keep affirming myself: I Am a Trader. I will surround myself with successful people in the stock markets and have walked the path I am about to start. I will ensure that I hear, see, experience, and read everything that protects me from beliefs that I do not want. It helps me create a new belief system.

- BY HARSHIL PATADIA (CE SEM - 4)

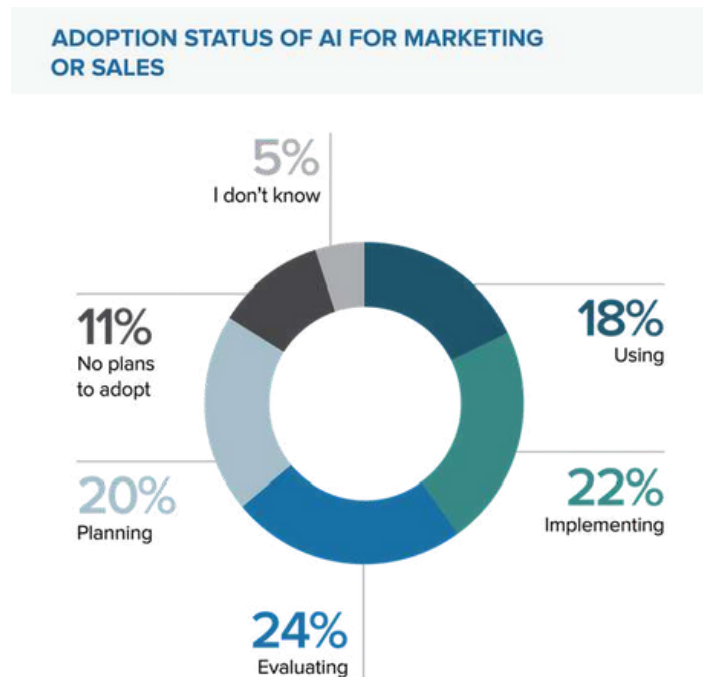


• FUTURE OF AI IN DIGITAL MARKETING



- When we hear the term "artificial intelligence," our minds immediately go to a world ruled by robots, but AI is a growing resource with numerous practical applications, many of which extend beyond the domain of digital marketing. As our understanding of artificial intelligence grows, the hype surrounding it will fade as it will become an expectation in our daily lives, similar to electricity and the internet.
- The existence of artificial intelligence has been undeniably ignored for a long time due to myths about it being expensive as well as a threat to corporate engagement. In recent years, we've seen marketers and small and large businesses alike seek advantages from the same AI interface to increase profits.
- AI is a technology that can be used to improve the customer journey. AI plays a streamlining and optimizing role in digital marketing; it is suggested that artificial intelligence will be irreplaceable in future digital products, particularly in the digital marketing field.
- To achieve success in your digital marketing efforts, you must first learn about your target audience, what their interests are, and what appears to be their preference in any particular product that you offer.

• FUTURE OF AI IN DIGITAL MARKETING



- A celebrated magazine has made it clear that there was an increase of about 171% in the marketing-generated revenue once AI was put into use. This emerging tech has taken it to the next level: Collecting, analyzing, processing, and access to advanced customer profiling. In other words, learning about your prospects' spending habits and purchasing motivations.
- This type of intelligent tracking of customer actions provides you with valuable information about what they want and expect from you. When you have precise information about your customer, the segmentation of your email and content marketing becomes personalized.
- AI isn't here to replace marketers' or advertisers' jobs; it's here to help elevate the true strategic game and creative potential.

- BY DHRUVA PATEL (CE SEM - 4)

• WHY SHOULD I ASK?

- Let's start with few of my experiences, i went to get my sister after her school as i do normally and she came happily as she got her first jab of vaccine. She just got onto the back seat. Me being me asked curiously which one did you get ?? And she replied ummm i don't know. And i was like what do you mean you don't know. She replied i don't know means i don't know. I furiously asked then why didn't you ask ?? And she apathetically told "why should i ask, what was the need to ask ?". This stuck into my mind throughout the journey.
- After the boring day of online lectures, a friend of mine texted me that today was no difference than yesterday, and today again engineering ditched me. Could not understand what the professor was teaching. I jokingly said "then, why didn't you ask him ? KYA PADHA RAHE HO SIR AAP ? He replied with some laughing emojis that "why should i ask?, What difference would it make ? what is the need to ask ?".Jokingly i just came around the same question.
- "Why should i ask, What is the need to ask ?" - I just cant get why should we ask this in first place, what is the need to ask this question. This was haunting me from many days and now i am writing my weird thoughts on questioning. Questioning is the basic step to anything.
- From the start when we get into this world, we should start questioning who am I? Where am I? Where the hell I was? Who is this lady lying? Who gave you the permission to hold my leg, invert me and slap my butt?
- But instead what we do, merely cry out the situation. We never question why you are given chocolate flavored cerelac instead of your favourite strawberry cream with toppings of colorful sparkles? Why don't i have 4 lectures of Sports a day and SS lecture once a month? Why this and not that ? and Uff i just got flooded with many questions i didn't ask, never mind.
- So the point is when everything starts from asking why, why do we resist ourselves asking our doubts out. Do we really value the importance of a questioning? What value does a simple question adds in your life?

• WHY SHOULD I ASK?

- It #fuels__Innovation. What if Newton never questioned why the apple fell down? Okay, that's another piece of discussion that Half of the student community still curse him for doing so, but his one question has staged the platform of classic mechanics and gateway to quantum mechanics. What if the scientists never questioned what is the need of getting a vaccine for the deadly virus, just enjoy the pandemic. Celebrate you are the lucky one ? Questioning challenges the condition quo. It unlocks innovation and improves performance.
- It #broadens_your_thinking. It opens news paves for creative and critical thinking and new possibilities. Opens your mind for new inputs. It takes you to the deep sea from the shallows where you have been thinking is the mariana trench of your pacific.
- It #strengthens_oneself. Questioning is a confidence booster. Just pump some himmat and ask a question "what's your name ?" will break the wall between you and your crush. Better ask good questions to continue and make your comm interesting, take it as a tip.
- It #refocuses_your_focus. Just a "what am i doing ? was i suppose to do this ?" will bring you back your happiness and kick your depressed thoughts and distraction out of the frame.
- Dont resist yourself from asking any kind of doubts. Focus on right questions rather than getting right answers, questioning opens a new field to think while answers close the door. If you won't ask you won't get.
- Okay, vicahro me beh gaya, i just have to ask myself "am i done for today ?", just keep hustling and questioning "Do i know everything?" or "I should start asking?"

- **EVERYTHING ABOUT OPEN-SOURCE**

- What is opensource?
 - Any program whose source code is freely available for usage or modification by users or developers is considered "opensource."
 - In contrast to proprietary software, open open-source software is created through public, open cooperation, and made freely accessible to the general public.
- How is open source used when creating software?
 - As was already mentioned, the open source community has been quite influential in the software development industry. In reality, a generation of open source tools has been created and is still in use today by developers to help with the early optimization and problem-solving of open source code.
- Several instances include:
 - GitHub
 - SourceForge
 - Launchpad
- What are the values of open source?
 - There are many justifications for choosing open-source software versus proprietary software, but the following are the most prevalent ones:
 - Transparency:
 - Reliability
 - Flexibility
 - Lower cost
 - Opencollaboration

• **EVERYTHING ABOUT OPEN-SOURCE**

- Why open source?
 - You should contribute to an open source project for a number of reasons, including:
 - To enhance the applications you utilise every day. discover a mentor if you require one.
 - To enhance one's current abilities or acquire new ones. to impart your expertise.
 - Can learn much more about the software you're now utilizing.
 - In order to enhance your reputation and advance your career.
- How to find an Open Source Project to Contribute to Contributing works on all levels, there is no need to over think how you're gonna do it. Instead think of some of the projects you already use and how you can make a change to them or improve on them. Research has shown that around 30% of casual contributions are documentation, typo fixes, or even translations.
- At the beginning I promised to share some of the projects that helped me out when I made my first contribution. Well lucky you, if you are a first-time contributor – which everybody is at some point – here are some links that will get you started in the open source world:
 - [first-timers only](#)
 - [first contribution](#)
 - [contributor ninja](#)
 - [open-source friday](#)
 - [24 pull requests](#)
 - [python project scripts](#)
 - [hebatika](#)
 - [code triage](#)

- **EVERYTHING ABOUT OPEN-SOURCE**

- Quick hack for you In the world of open-source software, issues get reported and fixed pretty quickly. So, a good way to kick start is to take on an issue and be sure to try to work on it promptly.
 - Tips:
 - Be consistent
 - Join the community channels
 - Show active participation in various events
 - Have coffee chat with maintainers to learn more
- If you have read till here, I Thank You for being patient. I hope this article helps you in getting started.

- BY VIVEENA RATHI (CE SEM - 4)



One Step Ahead

Time Management Tips

- Increase Efficiency
- The first condition for increasing efficiency is the desire within you. Most of the people face a lot of problems in this work. Their ego is not ready to believe that someone else is more capable than them. They always feel that they cannot get more than what they are doing. They always prove themselves superior by comparing themselves to less capable people.
- The second condition for increasing efficiency is knowledge. You should have the knowledge of how the capacity can be increased. Think a little in this regard. Learn from the experts in that field. Read books, go to seminars. When you have a strong desire to increase your potential and you are ready to work hard in this direction, then you will definitely find the solution.
- If the woman focuses on increasing her abilities rather than praising herself, she will see that she will have to use a little tact and change the order of work to save time. She should first smelt the lentils for half an hour, then during the cooking of the lentils, the potatoes should be cut and sprinkled, then after kneading the dough, the pulse should be stirred on the second stove and after that, the roti should be made. In this way, all his work will be completed in one and a half hours or less. This is called efficiency, the ability to do a lot of work in the same amount of time. Instead, It takes three hours to make another woman dal, potato curry, and roti. First, she cuts the potatoes at a slow speed, then soaks the lentils, then cooks the lentils for half an hour, then cooks the potato curry, then kneads the dough and lets it become soft for twenty minutes, then makes roti. After this, she praises herself, saying that she worked hard for three hours in cooking. You can see the huge difference in both scenarios.

One Step Ahead

Time Management Tips

- Engage in Action
- We all know that without hard work we cannot be successful, but the amazing thing is that in spite of this, we keep living hard, keep postponing the work, making excuses for not being in the mood, just because of lack of time or resources. Giving means doing everything except working. In this context, remember this couplet of Tulsidasji,

-

सकल पदार्थ जगत है माह ।
करमहीन नर पावत नाह ॥

- That is, all things can be achieved in this world, but they are not available to the karmaless person. The best advice in this regard is, 'Don't take your mood for advice while starting any work. That is, work not according to your mood, but according to your goal and plan. The world-famous playwright George Bernard Shaw was often not in the mood to write. But mood or not, he used to write, because he never let his goal of becoming a great litterateur go out of his sight. To achieve this goal, he resolved to write five pages every day, no matter what his mood.

One Step Ahead

Time Management Tips

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- Parkinson's Law
- Parkinson's law for the best use of time It is very important to know. Parkinson's law is that work spreads as much as there is time for it. This means that the amount of work we have, our time also expands or shrinks accordingly. That is, if we plan to do more work in less time, then the time will spread and all those works will be completed in the same period. On the other hand, if we plan to do less work in the same amount of time, the time will shrink and we will be able to do less work in the same period.

One Step Ahead

Time Management Tips

"जो ऊं ची छलांगलगाना चाहता है, उसे लंबा दौड़ना पड़ेगा।"

- Consider another example When we go for a picnic or a long vacation, a few days before that we get busy with our home and office work in a hurry. In that week, we work twice or thrice the normal amount. We work fast and get more work done in less time, because we have to go for holidays after completing the work within the given time frame. We have less time and more work, but since we have a clear goal in front of us, we achieve it and it is possible because of Parkinson's law. The nature of work is also related to the expansion or contraction of time. When we are interested in some work, that work gets done quickly. On the other hand, when something does not interest us, it is late. That's why it is said that lucky is the person who loves his work, because he can do more work in less time, can do more work and because of this can be more successful also.

One Step Ahead

- **YOU CAN WIN**

- Inspiration/Motivation!!
- Naturally, the question arises as to what motivation is. Motivation is what promotes action and realization. To motivate and to communicate a new consciousness is to inspire.

"Motivation means trusting one another and bringing realization and action to life."

- Motivation is a waterfall. Motivation can explain to anyone. It can verify & convince you of anything and motivate you to act. In other words, motivation is the motivating force to do anything, which can radically change your lifestyle.
- Why do you need to be inspired?
 - Motivation is the driving force behind our lives. It is built on the insistence on being 'successful', 'successful'. There is no such thing as pride in life without success. Apart from that, there is no enthusiasm or happiness in work or at home. In its absence, life becomes like a journey of a punctured car on a bumpy road!
 - Self-satisfaction is the greatest enemy of motivation. Whatever the reason, this complacency, the instinct of contentment gives rise to frustration and when people become frustrated, they lose courage, give up trying. The reason is that a person does not understand who is important in life.

One Step Ahead

- **YOU CAN WIN**

- Be Humble
- Confidence without humility is ego. Humility is the foundation of all virtues. It is a sign of greatness and goodness. In fact, humility with virtue attracts everyone while fake humility distracts everyone.

STORY

- Many years ago, a horseman noticed that some soldiers could not carry a load of sticks. His commander was also present when the soldiers were fighting. The horseman asked the hero why he did not help the soldiers. The commander replied, 'I am their commander. My job is to command them.' The rider dismounted, approached the soldiers, and helped them lift the load of sticks. The rider again mounted his horse and said to the commander, "Now, the next time you need help, call your commander-in-chief."
- When the cavalry left, the commander and the soldiers learned that the cavalry was none other than George Washington.
- The message is quite clear. Success and humility go hand in hand. When others praise you, that voice goes a long way. Think about it? Simplicity and humility are the hallmarks of greatness.

"Humility does not mean putting yourself down.
To believe so is tantamount to tarnishing one's reputation."

One Step Ahead

- **SOME LESSIONS FOR YOUR CAREER**


- In the end, every role boils down to how you deal with people.
- If people can't trust you, it doesn't matter how smart you are.
- If you cannot write down what you wish to say, you do not yet know what to say.
- Spend time appreciating people rather than waiting for them to appreciate you.
- There's no such thing as "I can't". Either you don't want to. Or you need help.
- Don't be in a hurry to create impact. Be in a hurry to learn.
- It is much easier to be a commentator than a player. But it's the players that everyone is watching!
- Never trust your memory. Write everything down.
- The search is not for the best paying job, or the best brand. The search is for a manager who believes in you more than you believe in yourself!

One Step Ahead

- **REMINDERS FOR LIFE**

- Simple reminders, Powerful reminders, Necessary reminders.
- Who and why you decide to spend your life with - is one of the biggest decisions you will make in your life. Don't take it lightly.
- If your school friends keep dragging you down and pulling you back and make you feel bad about "growing too fast", fire them! Don't feel guilty for not wanting them in your life.
- You will constantly be judged. Your college. Your job. Your car. Your phone. Your clothes. Your choices. Remember that people judge because they want to feel good about themselves. It has nothing to do with you. It is their insecurity.
- Optimize for your learning, not your salary. Optimize for progress, not for stability. Optimize for facing fears, not for comfort.
- Your goal is to make people say "I am not sure if she knows how to do it. But I am certain if told to do it, she will definitely figure it out. I trust her."


JANUARY 2022

- Microsoft's new matte black Surface Go 3 launches with optional LTE connectivity.
 - Samsung announces first smartphone chip with AMD ray tracing GPU.
 - Nvidia announces new RTX 3080 with 12GB of memory.
 - Google Maps introduces India-first 'Plus Codes' feature to find any address easily.
 - Meta claims its AI supercomputer will be the world's fastest.
 - India had the second-highest number of mobile app downloads in the world, with over 27 Bn downloads coming from the country.
 - NASA's 1st Artemis moon mission will carry Amazon's Alexa.
 - T-Series joins hands with Hungama to create Metaverse with NFTs
- 



Tech Updates

FEBRUARY 2022

- You can run Windows 11 on your phone thanks to Android 13.
 - Noise launches the elegant Buds VS202; Powered by Tru Bass technology and Instacharge.
 - Infosys launches Metaverse Foundry, to ease enterprises with metaverse adoption.
 - Google Play Pass arrives in India for Rs 99 a month.
 - 40% of Indian organizations will implement dedicated cloud services by 2024: International Data Corporation (IDC) India.
 - Pittsburgh-based Aspinity has unveiled the first analog machine learning chip as part of its analogML family.
 - Elon Musk activates Starlink in Ukraine amid disrupted services.
 - Google Chat will replace Hangouts for Workspace users from March 22
- 



Tech Updates


MARCH 2022

- Users Can React With Emoji Reactions In Google Meet Soon.
 - Dyson's Maiden Headphones To Feature BuiltIn Air Purification System.
 - WhatsApp To Increase Maximum File Transfer Size To 2 GB for Beta tester in Argentina.
 - Windows 11 Shows Desktop Watermark On Devices With Unsupported Hardware.
 - Android 13 To Add Wallpaper Effects, New Media Controls And More.
 - From Films To Weddings, The Metaverse Is About To Change Everything.
 - On Android, YouTube Music Users Can Now Share Songs With Snapchat.
 - India's Cloud-Based Storage Platform DigiLocker App Crosses 100 Mn Users.
 - 3D Ads Come To Facebook, Instagram In Step Toward The Metaverse,
- 



Tech Updates


APRIL 2022

- Telegram now lets users send cryptocurrency.
 - Podcasts, short-form Soundbites arriving on Facebook soon.
 - WhatsApp Pay is now offering cashback on payments: How to redeem easily.
 - Microsoft acquires data process mining vendor Minit Google begins work on the Hyderabad campus, the largest outside its headquarters.
 - Snap announces new AR shopping experiences, Dress Up feature, and more.
 - Android 14 may be internally called 'Upside Down Cake'.
 - Now you can watch YouTube shorts on desktops too.
 - Meta to start testing money-making tools for its metaverse.
- 



Tech Updates

MAY 2022

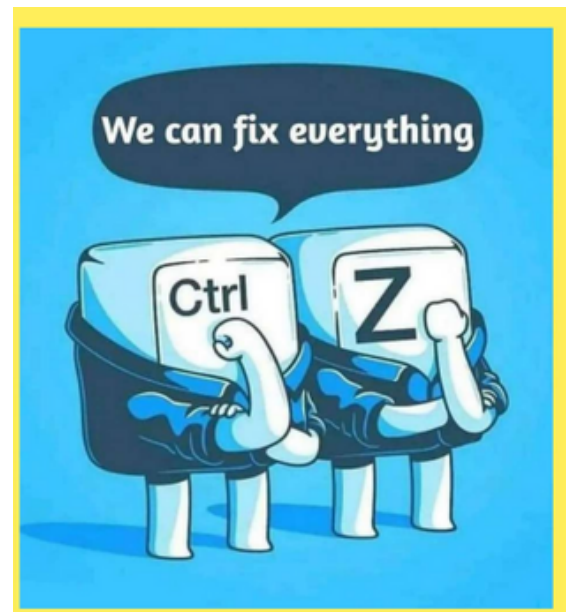
- Google says Android 13 Beta to have support for braille displays.
 - Meta plans to launch 4 high-end VR headsets by 2024.
 - Hackers can pre-hack your online accounts before you've even registered.
 - Telegram now lets users send cryptocurrency.
 - GitHub is making its coding helper free for students.
 - Adobe and Microsoft team up to tackle some of the worst bits of hybrid working.
 - DuckDuckGo in hot water over hidden tracking agreement with Microsoft.
 - Windows 11 takes a big step forward with full release of Windows Subsystem for Linux app,
- 

Tech Updates

JUNE 2022

- Google warns high-profile Android victims of spyware 'Hermit'.
- Byju's Completes \$950 Million Aakash Acquisition, Receives \$800 Million Funds Raised in March.
- WhatsApp May Soon Let You Hide Online Status From Certain Contacts, Delete for Everyone May Get an Extension.
- Facebook, Instagram Users May Soon Cross-Post NFTs as Meta Continues Web3 Expansion.
- Reliance Jio's Mukesh Ambani Steps Down as Director, Akash Ambani Appointed Chairman of Board.
- Google To Pay Out \$90 Million To Small App Developers To Diffuse Antitrust Suit.
- El Salvador's \$1.4 Billion Bitcoin City Wobbles As Cryptocurrency Crashes.
- Snapchat Is Testing A Paid Subscription Version Called Snapchat Plus.

MEMES



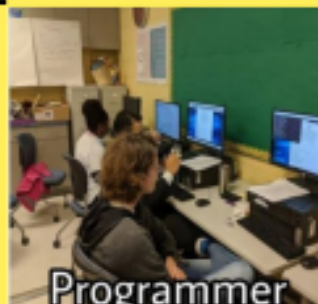
MEMES

A Single
piece of
paper can't
decide my
future



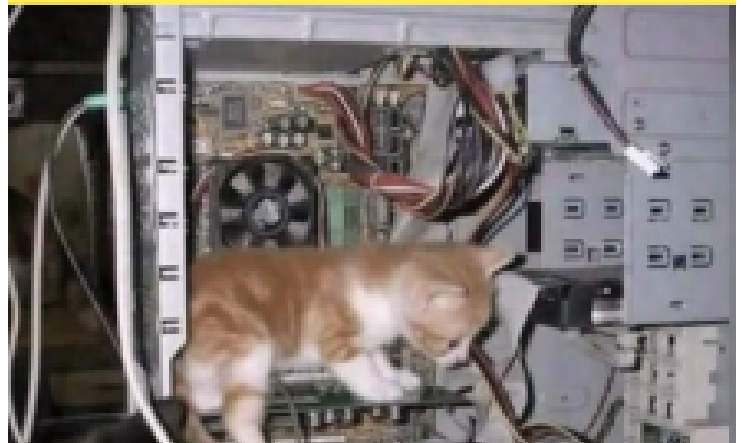
Normal People

A Single
semicolon
can't decide
my future



Programmer

Facebook interns trying to
fix the servers



Model
performance
on **train data**



Model
performance
on **test data**

Companies : "We cannot collect user's data
without their permission

Also them :

```
if (userInfo.cookies.agreed) {  
  Collect(user.data);  
} else {  
  Collect(user.data);  
}
```

- **Beyond the Books - Syllabus Series**

- **Introduction to JSON, Hands on Kotlin**
- **Date: 26th April 2022**



- A talk on JSON and Kotlin was given by Ms. Brinda Dabhi and Ms. Ami Bhavsar. They talked about JSON and used an example to show how to use Kotlin. Dr. P.J.Patel adored the CE student crew as a whole. She talked about her mentorship experience. To bring the session to an end, Dr. Pinal Patel presented a vote of thanks.

- **Beyond the Books - Syllabus Series**

- **Java Swing**
- **Date: 26th April 2022**
- **Total numberof attendees: 67**



- A talk on Java Swing was given by Mr. Pritesh Patel and Mr. Rajan Patel. They talked about importance and use of Java Swing. Dr. P.J.Patel adored the CE student crew as a whole. To bring the session to an end, Dr. Pinal Patel presented a vote of thanks.

- **Beyond the Books - Syllabus Series**

- **Java Spring-Boot**
- **Date: 27th April 2022**
- **Total number of attendees: 50**



The poster is for a 'Beyond the Books - Syllabus' session on Java Spring-Boot. It features the 75th Azadi Ka Amrit Mahotsav logo and the Government Engineering College Gandhinagar logo. The text 'CE Department - GEC - GN' and 'BEYOND THE BOOKS - SYLLABUS' are prominently displayed. A blue banner reads '[Let's not bind us between pages]'. The Spring logo is centered below. Four faculty members are listed with their photos: Dr. Sweta Dave (Principal), Dr. D.A. Parikh (HOD, CE), Prof. J.S. Dhobi (Asso. Prof.), and Dr. Pinal Patel (Event Co-ordinator). A QR code is on the left. The bottom section, in a green bar, says 'Java Spring-Boot' and provides the date '27-04-22' and time '11:00 am'. It also lists the experts 'Mr. Deven' and 'Mr. Harsh' with their photos.

75 Azadi Ka Amrit Mahotsav

GOVERNMENT ENGINEERING COLLEGE GANDHINAGAR

CE Department - GEC - GN

BEYOND THE BOOKS - SYLLABUS

[Let's not bind us between pages]

spring®

Dr. Sweta Dave (Principal)

Dr. D.A. Parikh (HOD, CE)

Prof. J.S. Dhobi (Asso. Prof.)

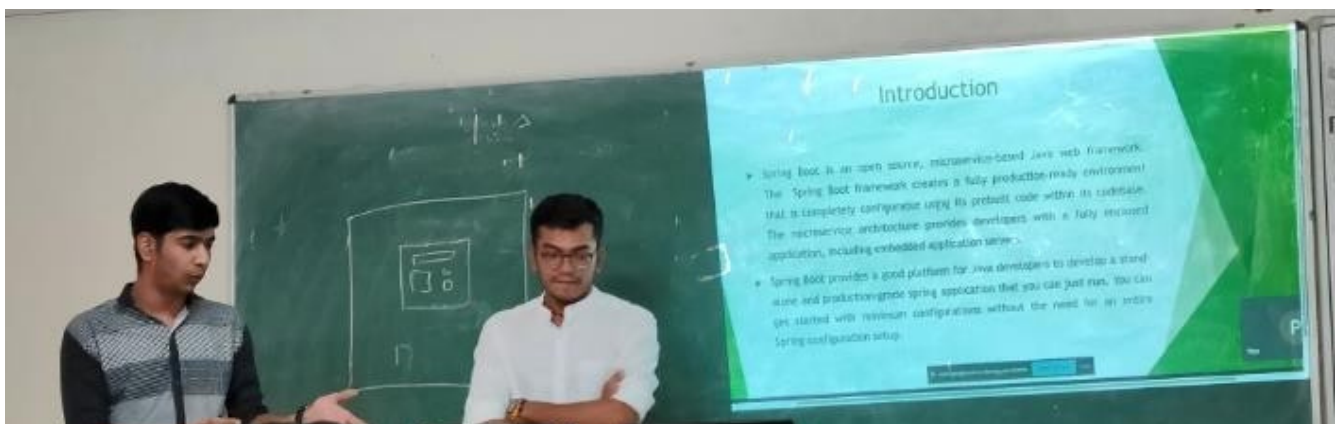
Dr. Pinal Patel (Event Co-ordinator)

QR Code

Java Spring-Boot

Date: 27-04-22
Time: 11:00 am

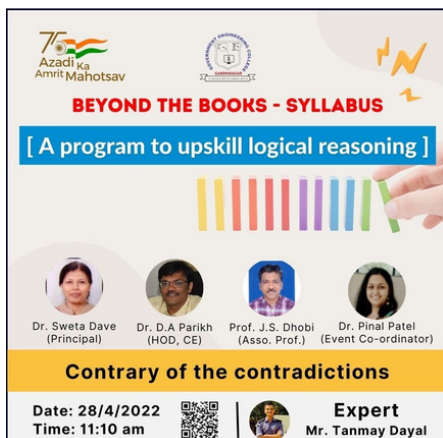
Expert:
Mr. Deven
Mr. Harsh



- A talk on Java Spring - Boot was given by Mr. Deven Jain and Mr. Harsh Patel. They talked about importance of Java Spring framework. They demonstrated use of Java Spring – Boot framework using an example. Dr. P.J. Patel adored the CE student crew as a whole. To bring the session to an end, Dr. Pinal Patel presented a vote of thanks.

- **Beyond the Books - Syllabus Series**

- **Contrary of the contradictions [A program to upskill logical reasoning]**
- **Date: 28th April 2022**
- **Total number of attendees: 60**



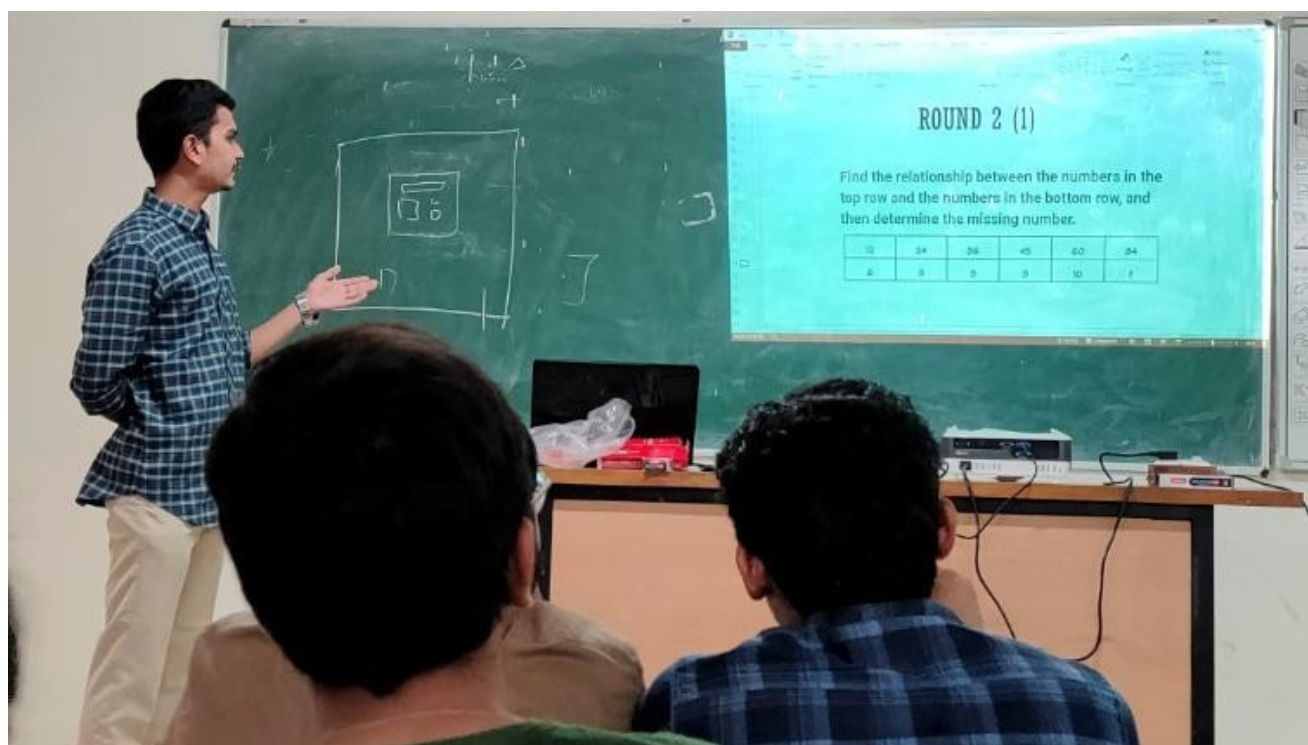
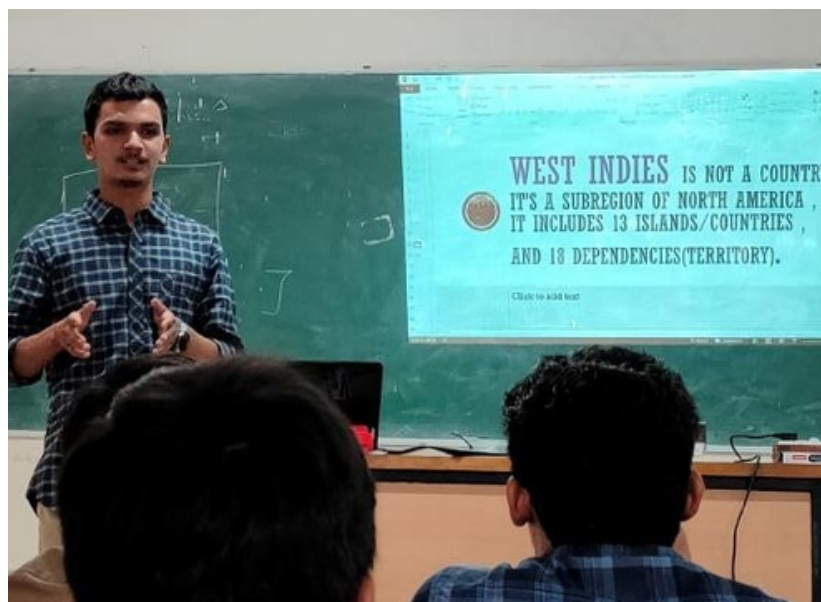
BEYOND THE BOOKS - SYLLABUS
[A program to upskill logical reasoning]

Dr. Sweta Dave (Principal) | Dr. D.A Parikh (HOD, CE) | Prof. J.S. Dhobi (Asso. Prof.) | Dr. Pinal Patel (Event Co-ordinator)

Contrary of the contradictions

Date: 28/4/2022
Time: 11:10 am

Expert
Mr. Tanmay Dayal



- A talk on logical reasoning was given by Mr. Tanmay Dayal. He talked about importance of logical reasoning by showing examples. He explained the concept of logical reasoning using quiz. Dr. P.J.Patel adored the CE student crew as a whole. To bring the session to an end, Dr. Pinal Patel presented a vote of thanks.

- **Beyond the Books - Syllabus Series**

- **Smart touch on smartphone's world**
- **Date: 30th April 2022**
- **Total numberof attendees: 21**



- Mr. Jay, Ms. Keya, and Mr. Ashutosh gave a talk titled "Smart Touch on the Smartphone World." They discussed the fundamentals of Android programming. They demonstrated how to create an Android application. To bring the session to an end, Dr. Pinal Patel presented a vote of thanks.

M. E. Students Details

- With the assistance of her guide Dr. P.J. Patel, Mohini Harshadbhai Patel completed her M.E. in computer engineering on the subject of Alzheimer Disease Detection using Deep Learning.
- With the guidance of her guide Prof. Bijal Gadhia, TRIVEDI PRAPTIBEN GAURANGBHAI finished her M.E. in computer engineering with a thesis on SYNTACTIC AND SEMANTIC SIMILARITY MEASURE WITH ONTOLOGY FOR INDIAN POLITICAL TWEETS.
- With the guidance of his guide Prof. J S DHOBI, KARAN PAREKH finished his M.E. in computer engineering on the subject of student e-learning behaviour with clustering and multiclass classification algorithm.
- With the assistance of his guide Dr. Dhaval A. Parikh, SHUKLA SAURABH SUBHASH finished his M.E. in computer engineering with the thesis A MULTIMODAL FRAMEWORK BASED APPROACH FOR AUTOMATIC DETECTION OF OFFENSIVE MEMES ON SOCIAL MEDIA.
- With the assistance of Prof. Pratik A Barot, RAJPUT AISHWARYA NIRBHAYSINGH completed her M.E. in computer engineering on the subject of image enhancement of satellite images.
- Shaily Tiwari completed her M.E. in computer engineering with the help of her guide Professor Dhawal Khem on the subject of Gujarati Grammarly.
- With the assistance of her guide Dr. Dhaval A. Parikh, Langalia Bhumi finished her M.E. in computer engineering with a thesis on "Detecting fake news in multimedia using machine learning technique."
- With the assistance of her guide Prof. P. A. Barot, ROJASARA JAHNVI SANJAYKUMAR completed her M.E. in computer engineering on the subject of Sentiment Analysis on Moocs for Educational Benefits.
- With the assistance of her guide Prof. J S DHOBI, Pankti Umeshbhai Sugandhi finished her M.E. in computer engineering on the subject of server load balancing in cloud computing.
- With the assistance of his guide Niranjan K. Prajapati, BHABHOR DHRUVKUMAR NITINBHAI completed her M.E. in computer engineering on the subject of multiple object recognition in 360-degree images.
- With the assistance of her guide Dr. P.J. Patel, PANDIT NIYATI DEVANAND finished her M.E. in computer engineering with the focus of Plant disease detection using deep learning.

Faculty Achievements

A) Faculty participation in conference/work shop/seminars Or Expert Lecture delivered by faculty.

- On 16 June 2022 Dr. P.J. Patel participated in the GUJCost sponsored STTP event as an expert speaker on Blockchain an emerging technology and its applications in automation.
- From 13 June to 24 June 2022 Dr. P.J. Patel participated in the GUJCost sponsored STTP event on Trends in Industrial Automation: Refreshing Past and Focusing Future.
- From Jan-April 2022 Dr. P.J. Patel participated in the NPTEL - MOOC event on Leadership and team effectiveness.
- From Jan-April 2022 PROF. ASHVIN PRAJAPATI participated in the NPTEL - MOOC event on Leadership and team effectiveness.
- From Jan-April 2022 PROF. NITIN RAVAL participated in the NPTEL - MOOC event on Leadership and team effectiveness.
- From 13 June to 24 June 2022 Dr. P. A. Barot participated in the GUJCost sponsored STTP event on Trends in Industrial Automation: Refreshing Past and Focusing Future.

B) Paper publication details (Name of faculty, Conference, Journal, Date and other important details)

- On 8 January 2022, Dr. P.J. Patel published a paper on Offline Handwritten Character Recognition of Gujarati Characters Using Convolutional Neural Networks in 2nd FICR International Conference on Incremental Risks in Expert Applications and Solutions - Springer, pp. 419-425

C) Other noteworthy contribution by faculty members

- Prof. Pratik Kumar A Barot has completed Ph.d from GTU in May 2022.
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COMPUTER ENGINEERING DEPARTMENT

"Building The Future World"

Head of Department



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



Prof. J.S. Dhobi
Asso. Prof., CE Dept.



Dr. Pinal J. Patel

Newsletter Editor



Kirtikumar Solanki
CE-SEM 8