

# प्रज्ञानम्



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# INSTITUTE GLIMPSE



**Government Engineering College, Patan** end searingly known as **G.E.C.P** is situated at the scenic village **katpur Patan city**. Started in **2004** with an aim of imparting quality higher education in various fields of engineering, it has seen unprecedented growth. It is affiliated with **Gujarat Technological University** & administrated by **Directorate of Technical Education, Government of Gujarat**.

## From the Desk of Principal

### Principal



**Dr. A .B. Dhruv**

I am delighted to welcome you all to the Government Engineering College Patan and I hope to convey the passion and enthusiasm that both staff and students bring to represent our college having a great tradition of developing high technical academic excellence and overall personal growth of the students. The main motive of technical education is to enrich our students to develop a ability

to reason out facts and this is achieved by giving them great scholarly climate, best in class infrastructure, well equipped laboratories, and committed and highly qualified faculty members with many years of educating and modern experience creative and field oriented teaching-learning practices along with other developmental activities.

GECP always navigating the intricate athwart ocean of science and engineering via the power of the human mind, body, and soul. Management, faculty, and staff strive to inculcate students and self-realize the harmony of human life and nature through applications of science, engineering, and technology., As this is precisely our long-term goal. It is what motivates the work of everyone from faculty and staff, to students and alumni. It inspires our teaching and research.

# *Institute Landmarks*

## Mandate

To impart the technical education as per the state and national policy which satisfy the current needs of the society, to interact with the industry and research organizations for the integrated growth, to make the liaison with statutory and professional Organizations and to provide the training and research opportunities to the student and faculties in best possible manner.

## Vision

To prepare Human Resource with value based competency for technical advancements and growth of society.



## MISSION



To deliver technical programs and services to cater the current needs of society and industry.

Helping industries in solving challenges by means of providing best technical human resources

To contribute in sustainable growth of society



*The real life of man  
consists of knowledge*

150th  
Birth Anniversary of  
Swami Vivekananda  
www.sri150.org



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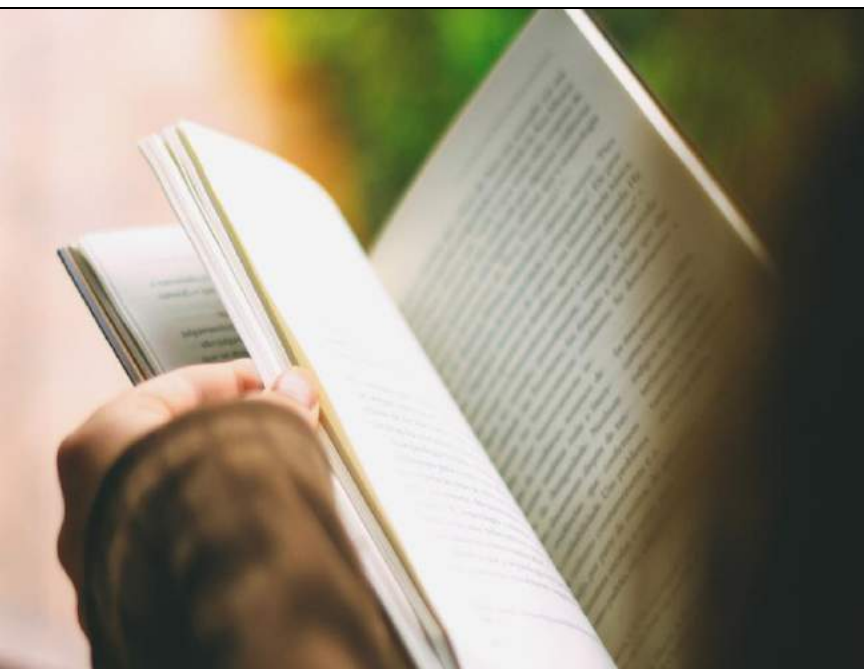
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## NEWSLETTER DETAILS FOR GEC PATAN ( OCTOBER-DECEMBER 2023)

### 1. DEPARTMENTAL ACTIVITIES

#### Computer Science & Engineering Department

**Event : Seminar on “Key to Success”**

**Date: 23/12/2023**

**Time: 6:00 PM to 7:30 PM**

**Platform: Google Meet**

**Speaker: Cavin Macwan (Flutter developer at 7Span)**

On the evening of December 23, 2023, CodeHives (Git-hub club) GEC Patan organized an enlightening workshop titled "FlutterFever." The primary objective of the workshop was to provide students with comprehensive insights into Flutter, a versatile framework for modern app development. The session, conducted on the Google Meet platform, featured Cavin Macwan as the distinguished speaker.

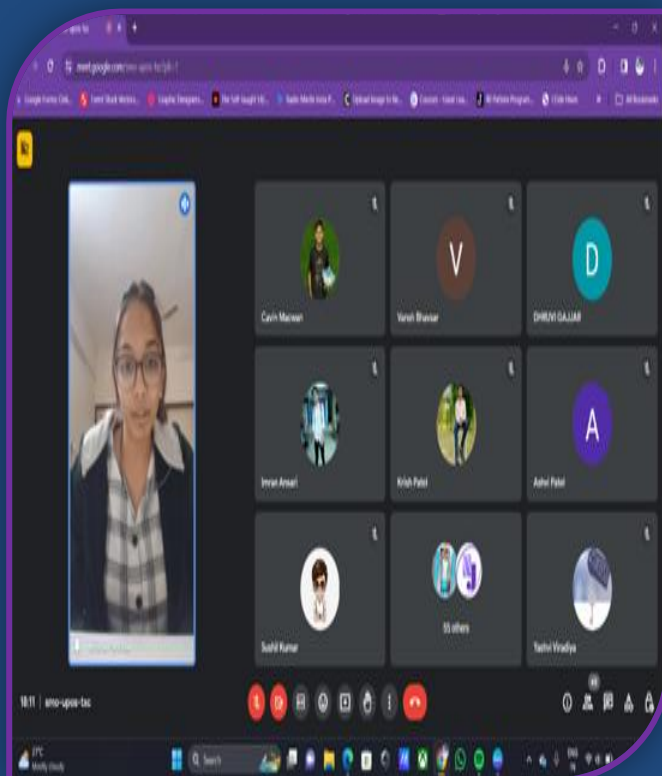
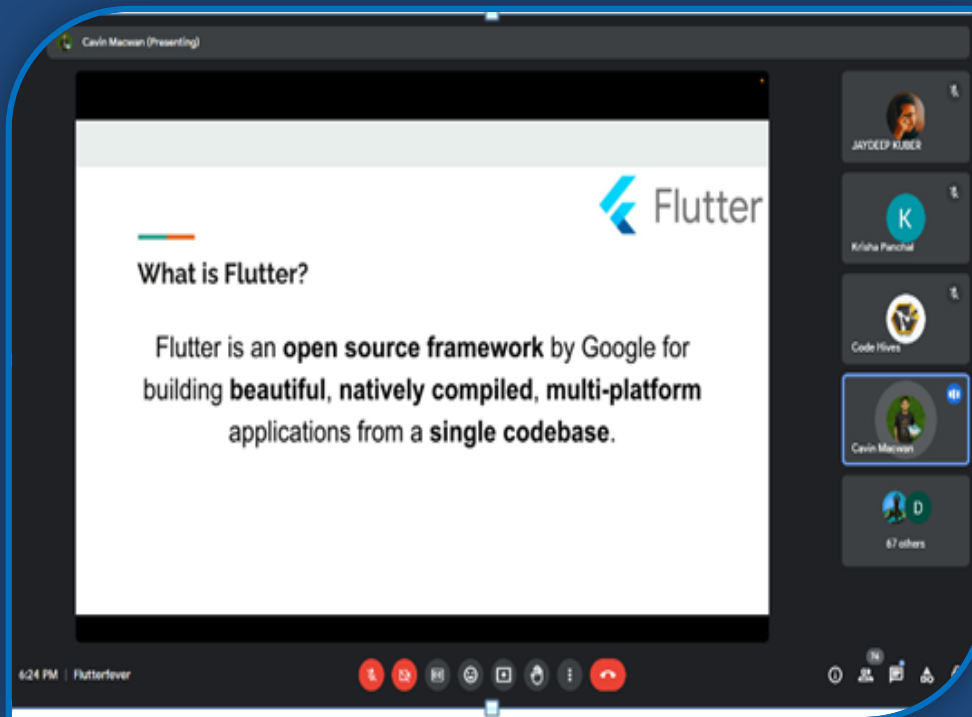
#### **Event Highlights:**

- **Inauguration:** The workshop began with a warm welcome to participants, setting the tone for an engaging and insightful session.
- **Flutter Basics:** Cavin delved into the fundamentals of Flutter, elucidating its features and diverse applications in the realm of app development.
- **Hands-on Session:** A crucial aspect of the workshop included a hands-on session where participants actively engaged in practical exercises. Cavin guided them through the step-by-step process of Flutter development, covering essential aspects such as installation and account setup.
- **Widgets and UI Design:** The workshop explored the creative side of Flutter, focusing on widgets and UI design. Cavin provided practical demonstrations on creating visually appealing interfaces.
- **State Management:** A deep dive into Flutter's state management was a significant part of the workshop. Participants gained insights into various techniques to efficiently manage application state.
- **Interactive Q&A:** The session fostered an interactive environment, allowing participants to pose questions and seek clarifications. Cavin addressed queries, creating a dynamic and engaging learning atmosphere.
- **Conclusion:** Cavin summarized key takeaways, emphasizing the crucial role of Flutter in modern app development. The session concluded with gratitude extended to the speaker for sharing valuable insights.

#### **Audience Participation:**

The workshop witnessed active participation from 120+ students, showcasing the enthusiasm and interest of the CodeHives (Git-Hub club) GEC Patan community in staying abreast of the latest developments in technology.

## Glimpse of the Event



## **Electronics and Communication Department**

**Event : An Expert talk on "Motivational Session by Start up Expert on A Smart Home Automation Venture by Zavx"**

**Date: 21/10/2023**

**Time: 11:00 AM to 12:30 PM**

**Platform: Google Meet**

### **Objectives of Event:**

Institution Innovation Council (IIC) an Initiative of MHRD for selected Higher Education Institutes. Ministry of Human Resource Development (MHRD), Govt. of India has established 'MHRD's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs) Which helps in planning, channelizing and organising round the year activities in the areas of innovation, entrepreneurship and IPR to sensitise and motivate students and faculties to pursue innovation and start-up during their academic.

Electronics and Communication Department has organised Impact Lecture on “Motivational Session by Start up Expert on A Smart home automation venture by Zavx ” by an Expert Hiren Patel Ex.Assistant Professor of ECE Department , SVIT Vasad and Start up Enterprenure of Zavx.

We have organised program at 21st October 2023 Saturday in the time duration of 11:00 A.M. to 12:30 P.M. by virtual mode of Google Meet. We have invited the student from all department and they have participated in the program. Speaker has given a so much valuable tips to student regarding Automation in Different Home Appliances , student start-up program.Students have interacted with the speaker eagerly and encouraged to do the needful in the area of Automation and Start-up for having golden opportunity in Career growth.

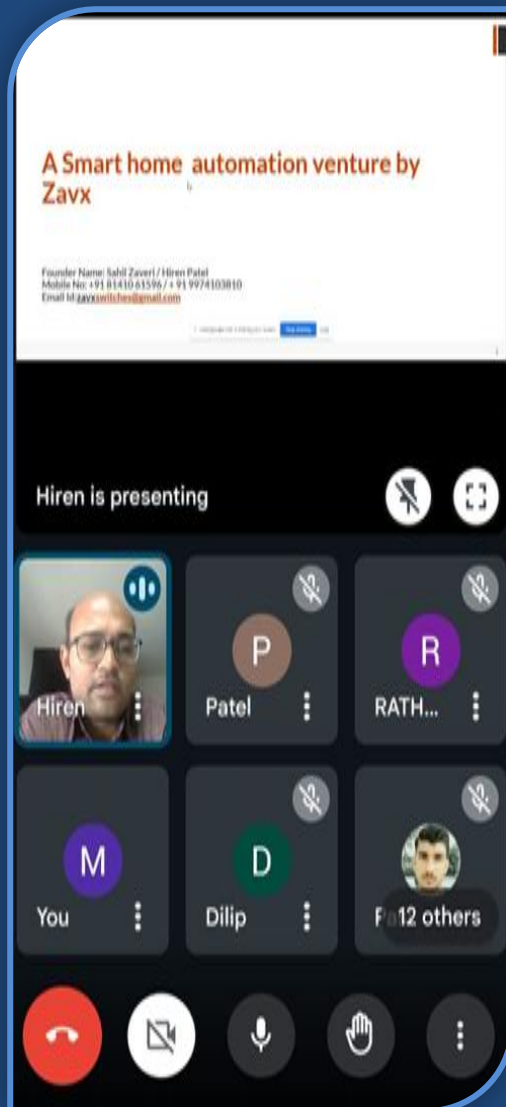


## Glimpse of the Event

**A Smart home automation venture by Zavx**


Founder Name: Sahil Zaveri / Hiren Patel  
Mobile No: +91 81410 81596 / +91 9974103810  
Email id: zavxventures@gmail.com

Hiren is presenting

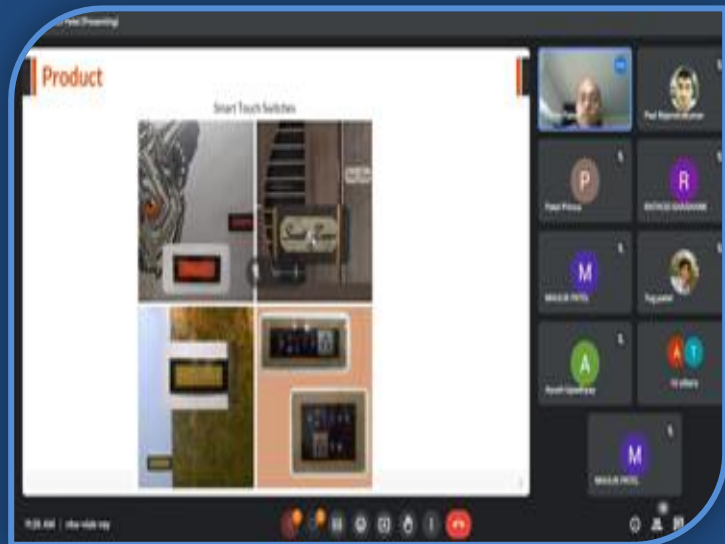


**Product**

Smart Touch Switches



10:28 AM | who-rish-roy



**Business Model**

Direct Sales distribution model



10:30 AM | who-rish-roy



**Market Opportunity**

**Global Smart Home Automation Market**  
shares, by application, 2022 (%)



**\$64.7B**  
Global Market Size, 2022

Source: www.grandviewresearch.com

10:39 AM | who-rish-roy



## General Department

### TECHNICAL OPEN HOUSE

**“Technical open house to explore the technical abilities of the student”**

**Event Organized on Date: 13/10/2023**

Under the visionary leadership of Honorable Principal Dr. ANAND B. DHURUV, Government Engineering College, Patan successfully organized ONE DAY OPEN HOUSE ON “TECHINNOVA\_2023” at Government Engineering College, Patan on 13th October 2023. The open house aimed to bring together the students of all engineering department from the institute and surrounding colleges to share their technical ideas with each other, also discuss the current trends of technical advancement in various field of an engineering, which will definitely boost the technical and creative part of student in order to meet the challenges ahead in technology.

#### **PATRON:**

**Dr. A.B. Dhruv**

#### **Name of Judges:**

**Dr. Chintan Limbachiya**  
(Assistant Prof. MSU Baroda)

#### **Coordinator:**

**Dr. H. S. Bhutadia**

**Dr. A. K. Chaudhari**

**Prof. H. L. Chaudhary**

**Dr. P. D. Patel**

**Dr. S. P. Patel**

**Prof. H. D. Chande**

#### **Result of the Event**

<b>Sr. No.</b>	<b>Group No.</b>	<b>Topic</b>	<b>Name of Student</b>	<b>Remark</b>
1	2	Electromagnetic Induction/ Wireless Electricity	Suthar Prakash Suthar Kamlesh Yadav Harsh Makvana Atul	1 st Prize
2	13	Rocket Engine Fuel	Deven Jadav Sneha Tiwari Bijwa Aryan Tarun Ganvit Thakor Vinita	2 nd Prize
3	3	Smart Street Light	Patel Krish Ketan Patel Jainish Prajapati Pravar Solanki Sujal Abhi Sharma	3 rd Prize

## Beautiful Memories





## Prize Distribution

### 1<sup>st</sup> Prize



### 2<sup>nd</sup> Prize



### 3<sup>rd</sup> Prize



## Memento Distribution





## Guidance to Students



## Conclusion

- As the event was aimed to aware the students about recent advancement in technical education and we successfully meet the prerequisite of the event at the end of day. Any technical institution must focus in the direction, where we can invoke the technical capability of students. This was our small but important step toward that direction.
- This time we introduced one new concept, that senior students can also put their projects for better exposure before expert and faculties to incorporate advance inputs in their projects. We got good response in that direction and hope for still more intensify response from senior students in upcoming open houses.
- Students from all the branches (Computer Science & Engineering, EC, Electrical 1st Semester) participated with great enthusiasm and presented their creative ideas before the experts and faculties. At the end of day, participant felt confident and enrichment of advance knowledge that itself reflect the grand success of event.



## **2. FACULTY ACTIVITIES**

### **A. PROGRAMS PARTICIPATE BY FACULTIES**

#### **Electronics and Communication Department**

<b>Sr. No</b>	<b>Training</b>	<b>Name of faculty</b>	<b>Place</b>	<b>Duration</b>
1	Embedded Linux	Prof. Sanjay D. Joshi	LDCE Ahmedabad	18-12-2023 to 22-12-2023
2	Yoga and Positive Psychology for Managing Career and Life	Prof. Mihir M. Patel	Mooc (IIT Bombay)	21-8-2023 to 13-10-2023
3	Yoga and Positive Psychology for Managing Career and Life	Prof. Maulik B. Patel	Mooc (IIT Bombay)	21-8-2023 to 13-10-2023
4	Digital Image Processing	Prof. Shyam A.Pankhaniya	Mooc (IIT Madras )	24-07-2023 to 13-10-2023
5	The Science of Happiness and Wellbeing	Prof. Mehul L. Patel	MOOC (IIT Madras)	21-8-2023 to 13-10-2023
6	Yoga and Positive Psychology for Managing Career and Life	Prof. Mehul L. Patel	Mooc (IIT Bombay)	21-8-2023 to 13-10-2023
7	Semiconductor Technology and Manufacturing (with Hands-on Training)	Prof. Mehul L. Patel	(IIT, Bombay)	21-8-2023 to 13-10-2023

#### **Applied Mechanics Department**

<b>Sr. No</b>	<b>Training</b>	<b>Name of faculty</b>	<b>Place</b>	<b>Duration</b>
1	Admixture and Special Concrete	Dr.Pareshkumar N. Nimodiya	MOOC (IIT Madras)	24-07-2023 to 13-10-2023
2	Admixture and Special Concrete	Dr. Jigneshkumar M. Patel	MOOC (IIT Madras)	24-07-2023 to 13-10-2023

## Computer Science & Engineering Department

Sr. No	Training	Name of Faculty	Place	Duration
1	Leveraging Ai For Healthcare Delivery System	Prof. Adesh V Panchal	LDCE Ahmedabad	18-12-2023 to 23-12-2023
2	Introduction To Machine Learning	Prof. Viral B Pansiniya	Mooc (IIT Kanpur)	24-07-2023 to 15/09/2023
3	Introduction To Machine Learning	Prof. Sachin H Makwana	Mooc (IIT Kanpur)	24-07-2023 to 15/09/2023
4	Introduction To Machine Learning	Prof. Haresh D Chande	Mooc (IIT Kanpur)	24-07-2023 to 15-09-2023
5	Advance Algorithms	Prof. Yogesh B Patel	Mooc (IIT Madras)	24-07-2023 to 15-09-2023
6	Database Management System	Prof. Hiral Y Rathod	Mooc (IITKharagpur)	24-07-2023 to 15-09-2023
7	Cyber Threat Intelligence And Digital Forensics	Prof. Hiral Y Rathod	GTU	12-09-2023 to 16-09-2023

## Mechanical Engineering Department

Sr.No.	Training	Name of faculty	Place	Duration
1	Alternate fuels and Electric vehicle	Prof. (Dr.) D.K.Patel	LD C E Ahmedabad	18-12-2023 to 23-12-2023
2	Alternate fuels and Electric vehicle	Prof. (Dr.) K.V. Patel	LDCE Ahmedabad	18-12-2023 to 23-12-2023
3	Exploring Measurment and Control in Robotics Using Arduino and IoT Devices	Prof. (Dr.) N. A. Patel	IITRAM	31-7-2023 to 04-08-2023
4	Yoga and Positive Psychology for Managing Career and Life	Prof. (Dr.) H.N.Panchal	Mooc (IIT Bombay)	15-08-2023 to 10-10-2023
5	Yoga and Positive Psychology for Managing Career and Life	Prof.(Dr.) K.V.Patel	Mooc (IIT Bombay)	15-08-2023 to 10-10-2023

## **Electrical Department**

<b>Sr.No.</b>	<b>Training</b>	<b>Name of faculty</b>	<b>Place</b>	<b>Duration</b>
1	Yoga and Positive Psychology for Managing Career and Life	Prof. Pravin D. Patel	Mooc (IIT Bombay)	21-8-2023 to 13-10-2023
2	Solar PV Installers	Prof. S.G Prajapati	GPERI, Mahesana	1/11/2023 to 7/11/2023

## **B. PAPERS PRESENTED/PUBLISHED**

### **Electronics and Communication Department**

- Dr. Haresh L. Judal has presented the paper on “ Key Enabling Technology for Next Generation Wireless System” at VSPICE in the duration 19<sup>th</sup> to 20<sup>th</sup> December 2023.
- Dr. Haresh L. Judal has and presented the Paper Titled" Next Generation Technologies for 5G and Beyond Networks: Overview, Recent Trends, and Challenges" at the 3rd International Conference on “Women in Science & Technology: Creating Sustainable Career” organized by Birla Vishvakarma Mahavidyalaya during 28-30 December, 2023.
- Dr. Jayesh C. Prajapati has published the paper on “Performance Analysis of 8 \* 112 Gbps (0.896 Tbps) WDM ROF Link Using 32 QAM – OFDM Modulation Scheme for Achieving Extended Range “ in Journal of Optics and Photonics Research DOI: 10.47852/bonview JOPR42021712 Accepted: 22 December 2023.



### 3. STUDENT ACTIVITIES

#### Mechanical Engineering Department

- "Quint Cargo", A Team from 7th Sem Mechanical Department from Government Engineering College, Patan, was selected by All India Council of Technical Education (AICTE) for National Level 'Bharat Cycle Design Challenge 2023' organized by 'NammaNimma Cycle Foundation'. From total of 700 entries 16 Teams were shortlisted in different category Like Cargo Cycle, Cargo EV, Commute Cycle, Commute EV. Team was shortlisted under Cargo EV. AICTE provided 40,000 Rupees as Seed fund to prepare prototype. Team successfully completed a prototype and on 4th November team participated for exhibition in Bangalore's Chanakya University. AICTE Chairman Prof. T.G Sitharam were also present at exhibition. Only team selected from Gujarat, Proud moment for Patan.



- Patel AnshkumarNileshbhai 7th Mechanical 210220119503 take partipicapre in Technical/ SSIP/Smart India Hackathon based on online quiz that is based on Blender software by Spoken Tutorial IIT Bombay.



- The lecture helped the students to develop an insight into the myriad of innovative materials that have helped the world of concrete to scale new heights. Speaker explained the application of different types of concrete in live projects been executed by RMC India.
- SUTHAR KARANKUMAR ASHVINBHAI 5thsem Mechanical I participated in Space Tech Quiz 3.0 conducted by Om space Rocket and Exploration Pvt ltd. Date:- 10/09/2023 Place:- Online Mode

## PAPERS PRESENTED/PUBLISHED

- Paper entitled “Design and Analysis of Offsetting Anti-Splashing Vaned Plate” was accepted on 1 Jan 2024. Paper was Submitted in Peer Review Journal: International Journal of Design Engineering of Inderscience Publications of SahajPatel , 7th Mechanical 200220119013

#### 4. NATIONAL SERVICE SCHEME (NSS) ACTIVITY

[1] “Cleanliness Drive (3.0 )” organized on 23 October 2023.

##### **DAY 1: Nr. Surroundings of Electrical Department**

As we know 2nd of October is celebrated as Gandhi Jayanti in India. As a part of tribute to our beloved Late Shri Mohandas Karamchand Gandhi popularly known as Mahatma Gandhi a Project named Swachh Bharat was launched by honourable Government of India and this year a initiative to give Swachhanjali to Mahatma Gandhi was taken and whole October month was decided to take a cleanliness drive for keeping our surroundings clean and healthy.

As a part of same Swachhta (3.0) drive was started from 23of October to 28 of October in which NSS Volunteers of our institutetook a initiative to clean college campus and surroundings in this drive,in which around 45 NSS Volunteers and Faculties joined together andcleaned the premises and compound of Electrical Department of college on the 1st day of the drive. All volunteers and faculties cleanedthe area with full interest and hard-work and were dispersed with angreat enthusiasm within them.

##### **Major Outcomes of The Event**

- Students and faculties got aware of Swachhta 3.0 drive and importance of cleanliness around us by this.
- Also we got to know about noble ideology of great personality Mahatma Gandhi.

##### **Glimpse of the Event**





[2] “Swachhta (3.0 ) ” organized on 24th October 2023.

### **DAY 2: Nr. Surroundings of Computer Department.**

As a part of Swachhta (3.0) drive, Our NSS volunteer has started this cleanliness drive from 23rd October to 28th October which took a initiative to clean college campus and surroundings. On the 2nd day of this drive, Around 45 NSS Volunteers and Faculties joined together and cleaned the premises and all the classrooms of Computer Department. All volunteers and faculties cleaned the area with full interest and hard-work and were dispersed with a great enthusiasm within them.

#### **Major Outcomes of The Event**

- Students and faculties understand the importance of cleanliness around us by this swachhta Abhiyan.
- We spread the awareness of cleanliness in various department within the campus of our institute.

#### **Glimpse of the Event**



### [3] “Cleanliness Drive (3.0 )” organized on 25 October 2023.

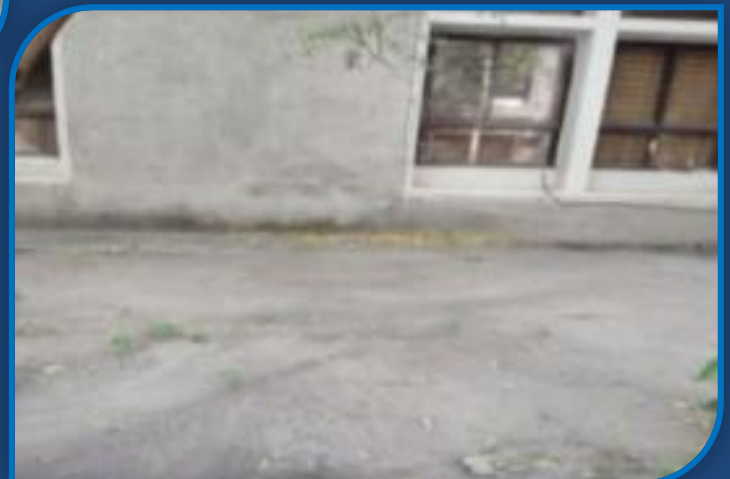
#### **DAY 3: Nr. Surroundings of Civil Department**

As a part of same Swachhta (3.0) drive was started from 23 of October to 28 of October in which NSS Volunteers of our institute took a initiative to clean college campus and surroundings in this drive, in which around 45 NSS Volunteers and Faculties joined together and cleaned the premises and compound of Civil Department of college on the 3<sup>rd</sup> day of the drive. All volunteers and faculties cleaned the area with full interest and hard-work and were dispersed with a great enthusiasm within them.

#### **Major Outcomes of The Event**

- Students and faculties got aware of Swachhta 3.0 drive and importance of cleanliness around us by this.
- Also we got to know about noble ideology of great personality Mahatma Gandhi.

#### **Glimpse of the Event**



#### [4] “Cleanliness Drive (3.0 )” organized on 26 October 2023.

##### **DAY 4: Nr. Surroundings of Electronics & Communication Department**

As a part of same Swachhta (3.0) drive was started from 23 of October to 28 of October in which NSS Volunteers of our institute took a initiative to clean college campus and surroundings in this drive, in which around 45 NSS Volunteers and Faculties joined together and cleaned the premises and compound of Electronics & Communication Department of college on the 4th day of the drive. All volunteers and faculties cleaned the area with full interest and hard-work and were dispersed with an great enthusiasm within them.

##### **Major Outcomes of The Event**

- Students and faculties got aware of Swachhta 3.0 drive and importance of cleanliness around us by this.
- Also we got to know about noble ideology of great personality Mahatma Gandhi.

##### **Glimpse of the Event**





[5] “Cleanliness Drive (3.0 )” organized on 27th October, 2023.

### **DAY 5: Nr. Surroundings of Mechanical Department**

As a part of same Swatchta (3.0) drive was started from 23rd October to 28th October in which NSS Volunteers of our institute took a initiative to clean college campus and surroundings in this drive, in which around 39 NSS Volunteers and Faculties joined together and cleaned the premises and compound of Mechanical Department of college on the 5th day of the drive. All volunteers and faculties cleaned the area with full interest and hard work and were dispersed with an great enthusiasm within them.

### **Major Outcomes of The Event**

- Students and faculties got aware of Swatchta 3.0 drive and importance of cleanliness around us by this.
- Also we got to know about noble ideology of great personality Mahatma Gandhi.

### **Glimpse of the Event**



[6] “Cleanliness Drive (3.0 )” organized on 28th October 2023.

### **DAY 5: Nr. Surroundings of GEC Patan Admin block**

The volunteers cleaned the admin block and its surroundings, collected and segregated the garbage, and disposed it off in a proper manner. They also painted and branded the litter bins, public toilets, and other sanitation assets in the area. The event was inaugurated by the Principal of the college, who appreciated the efforts of the NSS unit and encouraged them to continue their service to the society. The event was a success and received positive feedback from the participants and the authorities. The NSS unit also pledged to participate in more such activities in the future and contribute to the goal of a Garbage Free India.

#### **Major Outcomes of The Event**

- The event enhanced the cleanliness and hygiene of the admin block and its surroundings, which improved the working environment and the aesthetic appeal of the college campus.
- The event raised awareness among the students and staff about the importance of sanitation and waste management

#### **Glimpse of the Event**



## [7] “Corruption Free India “organized on 1st November, 2023.

As a Vigilance Awareness week was going, under that Unit of NSS GEC Patan had organized a Corruption Free India event. On 1st November NSS Volunteers had organized this event in which professor, students and all the NSS Volunteers had actively taken the participation. The speech competition on Corruption Free India was organized through which awareness about how the corruption is spreading in all the fields now a days and also what is our role as an individual to stop the corruption and what step should we take to stop the corruption were discussed.

After the speech of all the students winner names declared then at last pledge was given by all the students and professor that we will stop corruption and if we saw someone giving encouragement to the corruption we will definitely stop them and take the strict action against them.

### Major Outcomes of The Event

- Public Awareness about the detrimental effects of corruption increased.
- It gives encouragement in building a corruption free society.
- Students got the knowledge about how the corruption is spreading and their role to stop that.

### Glimpse of the Event







## [8] “Voting Awareness Program “ organized on 02<sup>nd</sup> November 2023.

On 2nd November 2023, NSS GEC PATAN had organized an event on voting awareness program. Due to this awareness program student had learnt importance of voting and its procedure.

This voting awareness program was conceptualized and initiated by Dr. Jayesh Modi, assistance professor of CSE dept. in HNGU . NSS GEC PATAN warmly welcomed every guest of the event. The broad objective of the program is to create a 'Awareness of voting ' and 'Importance of voting '. Mr. Dhaval Prajapati, Departee of Mamlatdar office had explained about uses and importance of 'Voter helpline app' in detail. He explained how to use voter helpline app. He also informed about why voting is necessary for nation and how it's useful for running nation in proper way. Voting is an important civic duty that can significantly impact the future of our country. Voting helps keep politician accountable for their actions and creates framework for our democracy.

They also asked for those who not have voter id card and native of Patan, then they will make voter ID for them, and then they will be eligible for voting in election. By voting, you can create change and make a difference in your community. Hence awareness program for students to help them understand the significance of voting in a democracy. By this way, an successful voting awareness program was ended with great guidance and awareness.

### Major Outcomes of The Event

At the completion of voting awareness program all the audience have gained following points:

- Importance of voting.
- Procedure of making voter id card
- Learnt about voting help line app
- How vote priors?

## Glimpse of the Event





[9] {A} “Swachta Hi Seva “ organized on 30<sup>th</sup> October 2023.

### Electrical Department.

As we know 2nd of October is celebrated as Gandhi Jayanti in India. As a part of tribute to our beloved Late Shri Mohandas Karamchand Gandhi popularly known as Mahatma Gandhi a Project named Swachh Bharat was launched by honourable Government of India and this year an initiative to give Swachhanjali to Mahatma Gandhi was taken and whole October month was decided to take a cleanliness drive for keeping our surroundings clean and healthy.

As part of the Swachhta Hi Seva event, which commenced on October 30<sup>th</sup> and concluded on November 5<sup>th</sup>, NSS Volunteers from our institute took the initiative to clean the college campus and its surroundings. During this drive on 30<sup>th</sup> October, members of the Electrical department, including faculties and workers, came together to clean their offices and organize the department's documents on the first day of the event. All faculties and workers demonstrated a high level of enthusiasm and put in their best efforts to clean the area.

### **Major Outcomes of The Event**

- Students and faculties got aware of Swachhta Hi Seva event and importance of cleanliness around us by this.
- The concerted efforts of NSS Volunteers, faculties, and workers led to a noticeable improvement in the cleanliness of the college campus and its surroundings.

### Glimpse of the Event



{B} “Swachta Hi Seva “ organized on 1st November 2023 .

### Electronics and Communication Department

Under Swachhta Hi Seva, On 1st November, 2023, NSS Volunteers and faculty took a vow to clean our surroundings. We started with cleaning our campus and on 2nd day of drive we decided to clean E.C. department. We went to the E.C Department we cleaned the department and professors also joined us in this drive. They cleaned their cabins and faculty office, classrooms and labs helping us to clean department. Our volunteer joyfully cleaned the surrounding with the help of workers/cleaners and Faculties. Some of the students from department also joined us to clean surrounding. They were happy and inspired by NSS Team works.

After cleaning the area, volunteers, Students and professors washed their hand properly and sanitized. Our Principal and H.O.D appreciated our work. After this H.O.D sir called all the students and volunteer present there in the department and gave the speech on importance of clean surrounding and nation and also asked us to clean & maintain it daily.

### **Major Outcomes of The Event**

- We learned how to work in team.
- Importance of CLEAN SURROUNDING in our life.
- We learn to protect ourself from disease caused by surrounding garbage and trash.
- We learn importance of cleanliness for development of nation.

### Glimpse of the Event



{C}“Swachta Hi Seva “ organized on 2<sup>nd</sup> November 2023 .

### Computer Science Department

As we know 2nd of October is celebrated as Gandhi Jayanti in India. As a part of tribute to our beloved Late Shri Mohandas Karamchand Gandhi popularly known as Mahatma Gandhi a Project named Swachh Bharat was launched by honorable Government of India and this year an initiative to give Swachh Janji to Mahatma Gandhi was taken and whole October month was decided to take a cleanliness drive for keeping our surroundings clean and healthy.

As a part of same Swachhta Hi Seva drive was started from 30th of October to 4th of November in which NSS Volunteers and faculties of our institute took an initiative to clean Staff rooms, Classrooms and labs in this drive, in which around 20 NSS Volunteers and Faculties joined together and cleaned the staff cabins, labs and compound of Computer Science Department of college on the 4th day of the drive. All volunteers and faculties cleaned the department with full interest and hard-work and were dispersed with an great enthusiasm within them.

### **Major Outcomes of The Event**

- Students and faculties got aware of Swachhta Hi Seva drive and importance of cleanliness around us by this..
- Also we got to know about noble ideology of great personality Mahatma Gandhi and information on Swachh Bharat Abhiyan.

### Glimpse of the Event





**{D}“Swachta Hi Seva “ organized on 3rd November 2023.**

### **Civil Department**

Under Swachhta Hi Seva, On 3rd November, 2023, NSS Volunteers and faculties took a vow to clean our surroundings. We started with cleaning our campus and on 4th day of drive we decided to clean Civil department. We went to the Civil Department we cleaned the department and professors also joined us in this drive. They cleaned their cabins and faculty office, classrooms and lab helping us to clean department. Our volunteer joyfully cleaned the surrounding with the help of workers/cleaners and Faculties. Some of the students from department also joined us to clean surrounding. They were happy and inspired by NSS Team works.

NSS Volunteers and faculties of our institute took a initiative to clean Staff rooms, Classrooms and labs in this drive, in which around 25 NSS Volunteers and Faculties joined together and cleaned the staff cabins, labs and compound of Computer Science Department of college on the 4th day of the drive. All volunteers and faculties cleaned the department with full interest and hard-work and were dispersed with an great enthusiasm within them.

### **Major Outcomes of The Event**

- Students and faculties got aware of Swachhta Hi Seva drive and importance of cleanliness around us by this..
- We learned to work in a team.
- We got learning's on how great leaders were strongly believing in cleanliness around them and how it helped them.

### **Glimpse of the Event**



**[10]“National Integration Camp – 2023ShriGovindguru University, Godhra“ organized on 2nd November 2023 – 8th November 2023.**

National Integration Camp is organized by National Service Schemeaiming at fostering a feeling of national integration and a greaterunderstanding of various cultures by the youth of the country.

NICs gives youth exposure to different traditions and culture of peopleliving in India. As a result, youths can understand that ‘Unity inDiversity’ is surely possible and can take steps towards making thisdream a living reality. This teaches youth how to easily adapt todifferent types of people having different traditions, languages, and religions.

These camps help build ‘Ek Bharat, Shreshta Bharat’ where there willbe unity and peace between various states having different cultures,where everyone becomes part of the solution, and not the problem.

This year NIC was arranged at Shri Govind Guru University, Vinzol,Godhra, Gujarat from 2nd November 2023 to 8th November 2023 whichwas sponsored by Government of Gujarat, Gujarat State - NSS cell,Higher Education Department, Gandhinagar.

The students from different states like Rajasthan, Karnataka, Gujarat,Odisha, Maharashtra, Chhatisgarh, West Bengal, Telangana, wereinvited to attend this integration camp.

We all 10 volunteers namely Himanshu Parmar, Yaminesh Parmar, Amol Pawar, Pushp Rathva, Shrey Mehta, Maitri Patel, Bansari Patel,Hetvi Patel, Arpitakumari Gamit and Chhaya Muniya heartily thankGTU for giving us this opportunity.

### DAY- 1 (2nd November 2023)

We reached Shri Govind Guru University at 10:30 am. We were welcomed very warmly. We had breakfast and went for our registration. We were given a kit consisting a diary, pen, identity card, t-shirt, scarf. We had some rest and went for lunch. For Inauguration, all the volunteers wore traditional clothes representing their states. The opening ceremony was chaired by Hon'ble Dr.Kuberbhai Dindor with chief guest Mr Ratansinh Rathod (MP - Panchmahal), DrPratapsinh Chauhan (Vice Chancellor, Shri Govind Guru University), Hon'ble PBPandya (IAS), Dr. Kamalkumar kar (Regional Director, NSS Gujarat). They enlightened us with their wise words. They explained the importance of NICcamp. Also they introduced about "Adivasi Culture". They divided us into groups for daywise organization. After that we had dinner.

### Glimpse of the Event





## DAY- 2 (3rd November 2023)

The organizer of the day were Gujarat Technological University, Gujarat University and Odisha. The day started with Flag hoisting followed by National Anthem, NSS song, Yoga and Meditation. Session 1 was conducted by Dr. Kanjibhai Patel. He explained us about "Tribal folk Culture tradition". He said that "If Bhasha have a Lipi and speak then it is considered as language". He shared how our body is a part of nature and it only needs natural things to live, how chemicals shorten our lives and makes it harder to live. He also explained the importance of every finger of hand:

Middle finger - Healing finger

Ring finger - Cooler

First finger - Destructor

Thumb - Power

Last finger - Urinator

Clean teeth with mixture of castor oil neem leaves. Session 3 was CPR training by Dr. Sujat Valli. He taught us importance of emergency help & right procedure to do CPR. High tea gave us stamina and we were ready for our performance in cultural event.

We gave

1. Group Garba

2. Bhajan

3. Speech

4. Solo dance

It was a great experience and we went for dinner.



### DAY- 3 (4th November 2023)

The Organizers of the day were Karnataka, Gujarat Vidyapeeth, HNGU Patan.  
Session 1 was conducted by Pinkiben Mackwan on "Fit India" Yoga and Naturopathy.  
She explained about tridosh which is vatt, Pitt, Cough.

1. Vat - Vayu Prakriti from navel to knees

2. Pit - from navel to chest

3. Cough - Head to chest

For dry body & Apply mustard oil. For Pit - Avoid Cold water, oil & cold drinks, Spice.

Vat - Mitra

Pit - Shatru

Cough - Shatru

Session 2 was by Shubham Shah (Red Cross Society). He quoted words of Mahatma Gandhi "Mera aacharan hi merasandeshhai". First aid is primary isprimary treatment. UN Mehta is the biggest heart hospital of Ahemdabad. Session was accompanied by Dialogue with youth, Sketch competition and Awareness Rally with slogan like "1, 2, 3, 4 NSS ka jay jaykaar".

### Glimpse of the Event



### DAY- 4 (5th November 2023)

We once again woke up excited for the day and couldn't wait to get back on the track with yoga and drill that fills us with enthusiasm for the day ahead. We went for breakfast and went ahead with the lectures of Dr Ajay Soni on "Ek Bharatshrest Bharat." It was an session depicting unity in diversity. After that we went to Maangadh tour and saw the natural reflection of simplicity. We returned with satisfaction of correct preservation of our pride culture. After a tea break, we gathered for cultural program hosted by Maharashtra, Bhakta Kavi Narsinh Mehta University and West Bengal. It was simply magistic and filled with glimpse of their graceful culture. We ended the day with gujarati dinner and we went to sleep.

### Glimpse of the Event





## DAY- 5 (6th November 2023)

The organizer of the day were Team Rajasthan, Chhatisgarh and Birsa Munda. The First session was "Role of Volunteer in NSS" by Dr. Ashok Trivedi. He told about various scheme for Income Generation, Indira Gandhi Award. The next session was by Dr. Sushilaben Vyas on "Tribal Culture". And the last session of the day was by Hon'ble Dr. Pratapsinh Chauhan (Vice Chancellor of Shri Govind Guru University) on "Why do I love Bhagwad Gita". We also had an interview with Akashvani Godhra. After that was the cultural program by the organizers. They showed their culture very nicely.

### Glimpse of the Event



## DAY- 6 (7th November 2023)

Our morning started with Flag Hoisting and Zumba. The Organizers of the day were Team Telangana, Veer Narmad South Gujarat University and Shri GovindGuru University. We had breakfast and headed for our first session which was "Adivasi Asmita" by Shri Jaybhai Doshi. He stated "Uncontrolled mind is our biggest enemy". Then the next session was by Dr. Rupesh Naakar on "Swami Vivekananda and Youth". He shared his experience of NSS. He said "If you set your mind to something, you can achieve it". We team GTU exchanged our traditional dresses with Team Karnataka.

### Glimpse of the Event





## DAY- 7 (8th November 2023)

It was our last day. We started the day by Flag Hoisting. The Closing ceremony started at around 10:30 am. All the volunteers and P.O from various teams shared their experience of NIC. It was followed by Patriotic Dance. Prize distribution for various competitions was done. Team GTU won 1st Prize in Video Making Competition. We had lunch and then headed home. It was such a great experience at NIC 2023 Godhra.

### Glimpse of the Event





## **[11] “World Remembrance Day for Road Traffic Victims” organized on 19<sup>th</sup> November, 2023.**

From Gujarat Road Safety Authority, on 19th November, 2023 an event was organized with the help of NSS Unit Cell GEC Patan to celebrate the World Remembrance Day for road traffic victims. In this event all the students and professor together had given their heartfelt tribute to that millions of people who have been and seriously injured on the world's road and also acknowledging the suffering of all affected victims, families and communities.

The host of the event had also shown the ratio of accident that happened per year. And gradually it is increased day by day, and it is now a time to take step to decrease the number of professor had taken the pledge that if they ever saw accident happened in front of them they will help the injured person and help them to went to the hospital or nearest clinic.

### **Major Outcomes of The Event**

- It aims to raise awareness about road safety and commemoratethose who have lost their lives in traffic accidents.
- It increased the awareness of road safety issues, advocacy forimproved traffic safety measures.
- It had build up the strong emotions of helping each other amongthe students.

## Glimpse of the Event

સરકારી ઈજનેરી કોલેજમાં વિશ્વ સ્મૃતિ દિનની ઉજવણી



પાટણ : ગુજરાત રોડ સેફ્ટી ઓથોરિટી અંતર્ગત રોડ ટ્રાફિક પીડિતો માટે વિશ્વ સ્મૃતિ દિવસ હોવાથી લોકોને જાગૃતિ પૂરી પાડવા માટે કાર્યક્રમનું આયોજન કરાયું હતું. સરકારી ઈજનેરી કોલેજ પાટણ ખાતે કાર્યરત એનએસએસના સ્વયંસેવકો દ્વારા આ કાર્યક્રમનું આયોજન કરાયું હતું. કાર્યક્રમમાં કોલેજના આચાર્ય, પ્રોફેસર દ્વારા માર્ગ સુરક્ષાના કાયદા વિશે માહિતી આપવામાં આવી હતી. ઉપરાંત કાર્યક્રમ અંતર્ગત એનએસએસ યુનિટના સ્વયંસેવકો દ્વારા રોડ ટ્રાફિક સમસ્યા અંગે વક્તૃત્વ સ્પર્ધાનું આયોજન કરવામાં આવ્યું હતું જેમાં કોલેજના વિદ્યાર્થીઓએ ભાગ લીધો હતો.



## **[12] “Viksit Bharat Program” organized on 11<sup>th</sup> December, 2023**

On 11th December, 2023 our Honorable Prime Minister Narendra Modi had launched the “VIKSHIT BHARAT PROGRAM @2047”. The vision of the program was to make India a developed nation by 2047, the 100th year of Independence. The launch of the program was streamed live on youtube channel ‘WEBCAST’ at 10:30 a.m. The Governor of Assam Gulab Chand Kataria hosted the program at IIT Guwahati where around 1000 students, Vice Chancellors and the Heads of Institutions from about 61 Higher Educational Institutions of Assam attended physically and about 600 colleges also participated in the virtual mode.

For the launch, NSS Unit Cell of GEC Patan had organized a program to watch the live. The principal and all the faculties and also students had come to watch the launch. In the live Shri Narendra Modi had said that he has great faith in India’s Yuva Shakti to make our dream of a Viksit Bharat into a reality. After the conclusion of live stream, the event was ended by National Anthem.

### **Major Outcomes of The Event**

- It aims to raise awareness about road safety and commemorate those who have lost their lives in traffic accidents.
- Youth of the nation would go to play a vital role to make India a developed nation, with the help of their intelligence and capabilities
- Everyone gets a deep understanding of the government’s vision and initiatives for the development of India.



## Glimpse of the Event



## **5. COLLEGE ACTIVITIES**

### **1. Event : Data Visualization with Tableau**

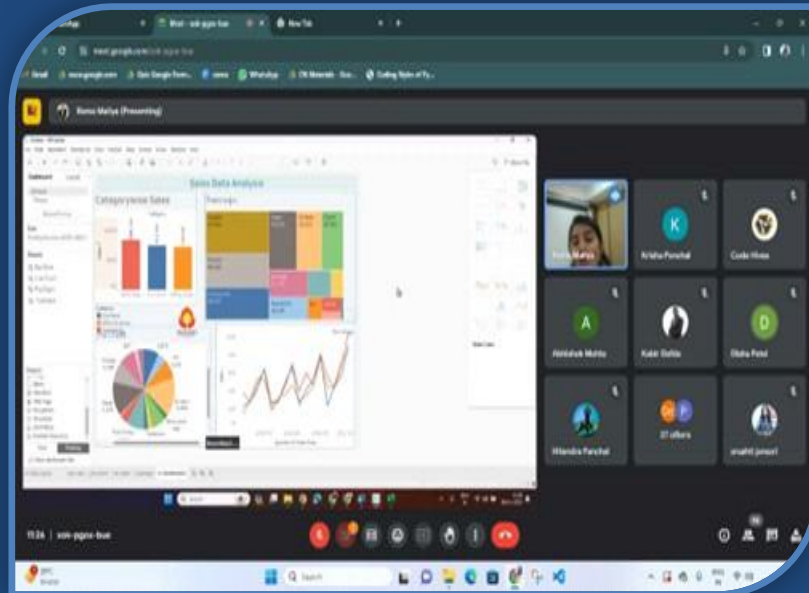
**Date: 8<sup>th</sup> November, 2023,  
Time: 10:30a.m.-11:30a.m.**

**Speaker: Ms. Rama M. Maliya, She is an assistant professor in United World School of Computational Intelligence (USCI), Karnavati University.**

#### **Highlight of event:**

- On 8<sup>th</sup> November, 2023 Code Hives (Git-hub club) GEC Patan has organized an event on Data Visualization using Tableau.
- The session was conducted online as a webinar considering the knowledge of Data Visualization and over 90 students had actively taken part in the webinar.
- The session was started with the intro of Ms. Ramamam and welcoming of all the participation.
- Ms. Rama Mamhad stating the brief idea about what is “Data Visualization” and about “Tableau”.
- She initiated these session by guiding participants through step-by-step installation process of Tableau and also taught creating account in it.
- Then Ramamam started the first topic of Data labeling and sorting.
- She explained the various Data labels like Basic Data label, Custom labeling, etc. and Data sorting like Ascending and Descending order, Manual sorting, Sort by Field, Sort by Measure, Nested sorting etc.
- She guided the participants through the process of utilizing Tableau for datasheets and creating interactive dashboards. This enabled the attendees to transform the raw data into visually appealing and interactive displays.
- She concluded the session with a focus on story creation using Tableau and she illustrated how to weave a compelling narrative through data visualization.
- These session ended with the Q&A, where many of the questions were answered and that made the session interactive and knowledge sharing.
- Session was winded up by the fruitful speech and a warm vote of thanks to Ms. Rama M. Maliya by our host.

## Glimpse of the Event





## **1. Event : Innovate Fest: Navigating through Solution Challenge**

**Date: 27<sup>th</sup> November, 2023,  
Time: 04:00PM to 05:00PM**

**Event Speaker: Host: Sonam (GDSC-GJUST Lead)**

**Co-Host: Jaydeep Kuber (GDSC-GECP Lead)**

**Guest Speaker: Dayeeta Chakravorty (GDSC-DIEMS Lead)**

### **Highlight of Event:**

- The event began right on time with the Event Management
- Lead of GDSC-GJUST giving a very warm welcome speech to all the participants.
- Then all the three Leads of GDSC-GECP, GDSC-GJUST & GDSC-DIEMS gave their introduction.
- It all began by giving the participants a formal introduction to Solution Challenge by Google.
- Slowly & steadily each detail regarding the challenge was given to students.
- All the three GDSCL made their contribution by giving information regarding the challenge.
- First the Basics of Solution Challenge was explained.
- Then the rules which have followed were explained.
- Then all the Solution Questions were explained along with the no. of participants and the no. of participants in one group.
- All the topics of challenge were explained in full detail by the Lead's very clearly.
- During the ongoing seminar the Speaker were also taking questions from the students who were having some doubt.
- The entire Timeline of Solution challenge was explained to students properly so they don't get confused.
- At the end of the event everything regarding Solution Challenge was understood and all the doubts were also cleared.
- The event ended with a thank you speech by one of the team members.

## Glimpse of the Event

