

# INSIGHT



Insight is the quarterly newsletter of Government Engineering College, Valsad

Near Sanskar Kendra, College Road, Valsad

02632-241960

Vol 4 | Issue 3 | July-Sep 2022

www.gecv.ac.in

## Principal's message

Dear Students and Faculty Members,

As we celebrate the 75th anniversary of India's independence, let us take a moment to reflect on the sacrifices made by our freedom fighters to secure the future of our great nation. On this historic occasion, I would like to extend my warmest wishes to each and every one of you.

To mark this special day, we will be hoisting the national flag in our college premises. The tricolor represents the ideals of peace, unity, and prosperity that our nation stands for. It is a symbol of our rich cultural heritage and the values that we hold dear.

I would also like to draw your attention to the Har Ghar Tiranga Abhiyan, which aims to encourage every household to hoist the national flag on Independence Day and other national holidays. This initiative promotes a sense of national pride and unity, and I urge all of you to participate in it.

As we celebrate this historic milestone in our country's journey, let us renew our commitment to building a brighter future for India. Let us pledge to work towards a more inclusive and equitable society, where every citizen has the opportunity to fulfill their potential.

I wish you all a happy Independence Day and look forward to your continued support in our mission to create a better tomorrow.

Best regards,

Dr.V.S.Purani  
GEC Valsad

## 75<sup>th</sup> anniversary of India's Independence Day

This year marks the 75<sup>th</sup> anniversary of India's Independence Day, which was celebrated by the hoisting of the national flag at 9:00 AM by Dr. V. S. Purani, the Principal of Government Engineering College, Valsad, in 2022. As the flag was raised, the national anthem was sung, and all attendees, including teaching faculty, support staff, security guards, students, and their families, saluted the flag. The celebration included various programs, including a tree plantation, presented by the students. The event was graced by the presence of special guests, Debashish Ganguly and Mahesh Solanki, both former Sergeants at Indian Air Force. In line with the Central Government's 'Har Ghar Tiranga' campaign to promote flag-hoisting at homes, the celebration of 'Azadi Ka Amrit Mahotsav' marks the commemoration of 75 years of India's independence. The flag hoisting program was organized by Prof. J. R. Joshi and the NSS team.



Flag hoisting ceremony

## International Coastal Clean-up day celebration

Every year, the International Coastal Cleanup (ICC) Day is celebrated worldwide on the third Saturday of September. The goal is to raise awareness among citizens and collect plastic and non-plastic waste. As part of the Azadi ka Amrit Mohotsav celebrations, a massive campaign to clean up the coastline of India is planned for September 17, 2022. The initiative is a collaboration between government organizations, non-government organizations, private corporations, and the public. The campaign is supported by various bodies, including the Ministry of Earth Sciences (MoES), the Ministry of Environment, Forestry, and Climate Change (MoEFCC), the National Services Scheme (NSS), the National Disaster Management Authority (NDMA), and the Unnat Bharat Abhiyan (UBA).

The Swachh Bharat Abhiyan of the Government of India aims to achieve a cleaner India. Coastal cleaning is a critical aspect of creating awareness and cleanliness around the beaches along the Indian coast. By motivating the public through awareness programs, people are encouraged to rush to nearby beaches and participate in the cleaning drive. The process involves picking up debris, litter, and other objects from the beach and sending it to the municipal corporation or plastic recyclers to reduce the amount of garbage accumulation at the beach.

The cleanliness drive was inaugurated by Honorable Finance Minister Kanubhai desai, MLA Valsad Shri Bharat Patel, and District Collector Shipra Agre. Many NGOs and organizations were involved in this mission. A total of 177.2 Kg of waste was collected at Tithal Beach by the participants and submitted to the waste management RRC shed of Atul Ltd, the company in charge of the recycling work. Dr. K.L. Mokaria, Dr. Bhairavi Joshi from Trayam Foundation, and Mr. Krunal Patel coordinated the entire event



Group photo with invited guests, NGO and Students volunteers



Students with waste collection

## Cybersecurity awareness



Government Engineering College, Valsad - Cybersecurity awareness took center stage on August 1, 2022, as the G-120 Seminar Hall at the Department of Civil Engineering played host to an event aimed at educating students about online safety. The program was organized as part of the Azadi Ka Amrut Mahotsav Celebration, which celebrates India's independence and the country's 75<sup>th</sup> year of freedom.

The event saw a strong turnout of 156 students who were treated to presentations from two distinguished guests, including PI (Valsad City Police Station) D. M. Dhol Sir and cybersecurity expert Mr. Vijendra Gohil Sir. Both speakers emphasized the need for individuals and organizations to prioritize cybersecurity to safeguard against potential threats and attacks.

Throughout the seminar, the students demonstrated a keen interest in the topic, engaging actively in discussions and asking thoughtful questions. The event concluded on a patriotic note, with all attendees joining in singing the National Anthem.

The successful event highlights the importance of raising awareness about cybersecurity among young people, given the increasing prevalence of cyber threats in the digital age. The Department of Civil Engineering is committed to organizing such events regularly to equip students with the knowledge and skills necessary to stay safe online.



## Har Ghar Tiranga Abhiyan

Har Ghar Tiranga campaign, organized under the Azadi Ka Amrit Mahotsav, aims to encourage people to bring the Indian National Flag home and hoist it to celebrate the completion of 75 years of India's independence. This initiative seeks to foster a personal connection to the Tiranga and promote patriotism and awareness about the flag. At GEC Valsad, students and faculty members were encouraged to participate in the campaign by hoisting the flag at their homes from August 13th to 15th, 2022, and by virtually "Pin a Flag" on the website and posting a selfie with the flag.

During August 3 and 12, 2022, various events were organized at the institute as part of the campaign, including Poster, Vocal, Quiz, Flag Making, Essay, and Elocution competitions. Department-level participation was achieved, and winners were declared. On August 14th a rally was organized from Commerce College Valsad. On August 6th, 2022, the Unnat Bharat Abhiyan (UBA) and National Service Scheme (NSS) teams of GEC Valsad organized a Tiranga Rally in Atar, Bhagod, and Chinchwada to raise awareness about the Har Ghar Tiranga Abhiyan celebration. The faculty coordinators for this rally were Dr. B. R. Sudani, Prof. P J Patel, and Prof. M N Chaudhary. A total of 22 students participated in the rally and motivated villagers to join in the Abhiyan.



Students and faculty gather for the Har Ghar Tiranga rally



Poster Presentation



Har Ghar Tiranga rally at Atar Village

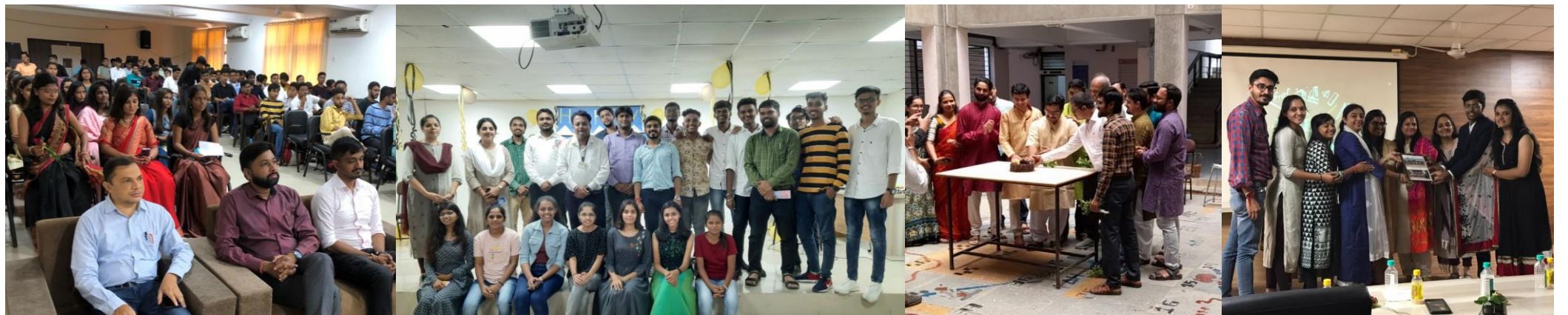
## Teachers' Day Celebration

The Government Engineering College Valsad, celebrated Teachers' Day with great fervor and enthusiasm. The day is celebrated to honor Dr. Sarvepalli Radhakrishnan, the second president of India, who was a visionary educator. Students of the final year organized the day's events, which included delivering lectures on ongoing semester subjects, followed by a program of dancing, singing, poem reading, mimicry, and mono-acting to express their gratitude towards teachers. The program also featured fun activities organized by students for the faculty members, which was anchored by Man Joshi and Rhea Patel. The entire program was a great success, appreciated by everyone present.

The students of the 5th and 7th semesters of the Chemical Engineering Department also celebrated Teachers' Day with great enthusiasm. The event was attended by 158 students and the dress code was traditional wear for both students and faculty members. Various activities such as speech, mimicry, games like Know Your Teacher and Treasure Hunt, and cake-cutting ceremony were organized. The students also took lectures on behalf of their teachers. The day ended with a game of tug of war between students and faculty members. It was a memorable day for all the members of the Chemical Engineering Department.

The Environmental Engineering Department's students organized a Teachers' Day celebration with a well-planned committee of students. The event included a sweet welcome, heart-warming speeches, dance performances, and videos from graduates. The students also organized various games for the faculties, who actively participated, and the department was filled with happy faces. All the faculties were delighted by the sweet gesture and it was truly a beautiful experience.

The Civil Engineering Department also celebrated Teachers' Day with singing, dancing, and various games organized by students for the faculties, including treasure hunts and structure making. Students also made cards and posters showcasing the qualities of their teachers. The day was a great success, highlighting the importance of teachers in shaping the future of the students.



## Engineers' Day Celebration

The Civil Engineering department at GEC, Valsad joined hands with Ultratech cement to celebrate Engineer's Day on September 15th, 2022 in the G-120 auditorium. The event witnessed the participation of various stakeholders who shared their insights on the current practices in construction and motivated students to stay abreast of the latest trends in the field. The esteemed In-charge Principal, Dr. N. M. Patel, also addressed the audience and inspired the students with his views on engineering. The event was attended by department heads, Civil Engineering faculty, and students. The students enthusiastically shared their own experiences and views on engineering, making the event a success. The event concluded with a vote of thanks by Prof. D. T. Barot, expressing gratitude to all the participants for making the event a grand success.



## Smart India Hackathon-2022: Hardware Edition

7th Semester students of Chemical engineering named Smitpuri Gosai, Srushti Agrawal, Khushal Italiya, Hitendra Hedav, Yuvranjsinh Gohil and Avanee Vadera had won "Smart India Hackathon-2022: Hardware Edition" under guidance of Dr. S. K. Srivastava (Asst. Prof., Chem.. Engg.) at REVA University, Banglore on 29th August-2022. They all had been awarded with cash prize of 1 Lakh rupees.





### Paper Publication by the faculty in Journal/Conferences proceedings

Dr. N. M. Patel (Professor & Head, Chemical Engg. Dept.) has presented and published a full paper on "Oxy-fuel combustion processes: modeling approaches and applications in various industries" at 2<sup>nd</sup> multidisciplinary international conference (GTU ICON 2022) on 21<sup>th</sup> SEP-2022.

Prof. J. R. Joshi (Asst. Prof., Chemical Engg. Dept.) as a first-author published a research article titled "isolation and purification of Stevioside from stevia leaves" Chemical and Process Engineering 2022,43(2),1-10. DOI: 10.24425/cpe.2022.140822

### Webinar /Expert Lecture/Invited talk delivered by Faculty Member

An expert talk was delivered by Dr. B. R. Sudani (Asst. Professor Chemistry) on "Scientific Culture of India" organized by District Institute for Education and Training, Parnera-Pardi, Valsad and District Science Centre Dharampur on 28<sup>th</sup> SEP, 2022.

A bootcamp session was delivered by Prof S K Patel (Asst. Professor Mechanical) on "Student Start-up and Innovation Policy Government of Gujarat" at Sett R.J.J High School, Valsad on 30<sup>th</sup> SEP, 2022.

A bootcamp session was delivered by Dr. B. R. Sudani (Asst. Professor Chemistry) on "Student Start-up and Innovation Policy Government of Gujarat" at Bai Ava Bai High School, Valsad on 27<sup>th</sup> SEP, 2022.

An expert talk was delivered by Dr. B. R. Sudani (Asst. Professor Chemistry) on "Angel Investors and Venture Capitalists Funding Opportunities for Early Stage Entrepreneurs" organized by IIC, GEC Valsad and SSIP Cell GEC Valsad on 29<sup>th</sup> AUG, 2022.

An online expert talk was delivered by Dr. B. R. Sudani (Asst. Professor Chemistry) on "Awareness and Scope of INSPIRE AWARDS MANAK Scheme" organized by District Institute for Education and Training, Parnera-Pardi, Valsad on 5<sup>th</sup> SEP, 2022.

An expert talk was delivered by Dr. B. R. Sudani (Asst. Professor Chemistry) on "Freedom Fighters @ AzadiKaAmrutMahotsav" at Shah KhimchandbhaiMuljibhai Law College, Valsad on 29<sup>th</sup> JULY, 2022.

An expert talk was delivered by Dr. B. R. Sudani (Asst. Professor Chemistry) on "ભારતીય સંસ્કૃતિમાં ગુરુ પરંપરા અને ગુરુ મહત્ત્વ" at Vanraj Arts & Commerce College Dharampur, Valsad on 20<sup>th</sup> JULY, 2022.

An expert talk was delivered by Prof. Hemant M. Jariwala on "Petroleum Porcessing: Products and Testing" at Government Polytechnic Valsad on 6<sup>th</sup> September 2022.

### TECHNICAL VISIT

70 students of 6<sup>th</sup> Sem Civil engineering department have visited the Railway station, Valsad on 23<sup>rd</sup> September 2022 along with Faculties, Prof. Dhaval T. Barot and Prof. Neha M. Patel. Visit included information regarding Rail signaling, Control system and Permanent track. Students are guided very well by instructors in various divisions of visit and also live demonstration of each part was given. So overall it was a very fruitful and live visit for students.



Visit to Railway station, Valsad



Control system of Railway station, Valsad

### INDUSTRIAL VISIT

An industrial visit was organized by Mechanical Engineering Department at Kirti Alloys, Pvt. Ltd. Pardi, Valsad on 26/08/2022 as a part of teaching learning process related to the subjects Manufacturing Technology (3151912) and Rapid prototyping (3171926). Total 83 Mechanical Engineering students of BE 5<sup>th</sup> and BE 7<sup>th</sup> semester got benefitted by visiting the place under the coordination of Prof. S.V. Damania, Prof. S.T. Patel, Prof. J.P. Tandel and Prof. H. N. Patel. The students got the feel of real industrial work and gain the knowledge about future perspectives in manufacturing field. They learned about die making, molten metal work, surface finishing and machining work



### Industrial Audit at Dhruv Automobile

Under the guidance of Prof. N S Patel, assistant professor, Mechanical engineering department, a team comprising 40 students of the 5<sup>th</sup>-semester Mechanical engineering department carried out an inventory audit of automobile parts in Dhruv Automobile at Vapi, Kamrej, Hajira and Bharuch on 4<sup>th</sup> and 18<sup>th</sup> September 2022. The students got real-time exposure to industrial work through this audit.





### Expert talk/seminar organized by the Department

(1) An Expert talk/seminar was organized for the all students of Environmental Engg. Department on “Converting innovation into a startup and achieving value proposition fit and business fit”. The talk was delivered by Mr. Hardik Gurav, CEO of Akrishyam Recyclers, Surat on 25th August 2022. Awareness campaign on E-waste management was also included in the session.



(2) A webinar titled “Accelerators/Incubation Opportunities for Students and Faculties: Early Stage Entrepreneurs” was arranged by Dept. IIC-Coordinator Prof. S K Patel, Asst Professor in Mechanical Engineering Department under the guidance of HOD Mechanical, Prof. Dr. V D Dhiman on 30th August 2022. The speaker for the session, Mr. Mr. Amrit Nahar, director at ZORKO Pvt. Ltd. conducted the webinar under the banner of IIC-SSIP-GECV. Total 119 students attended the webinar

### Laboratory sessions for other collage

Prof. John D. Patel have conducted a laboratory session on "High Voltage Engineering" for the students of Government Engineering college, Daman. This was a particularly significant session as GEC, Daman does not have laboratory facilities for this subject. On 15 September 2022, approx.. 65 students attended this session at our college.



### Students' Achievements



We are thrilled to announce that GECV's performance at the GTU 10th Youth Festival, Zone 5, managed by SNPatel Institute of Technology & Research center, Umarakh, held on 14-16 September 2022, was a huge success! Our students competed against talented individuals from various colleges and brought home several awards.

In the quiz competition, Prachi Trivedi, Vaibhav Kalsariya, and Vaishnav Anniyeri emerged as winners, showcasing their exceptional knowledge and quick thinking abilities. Kirtan Solanki wowed the judges with his captivating voice, winning the first prize in the light vocal category. Jeet Jariwala displayed his musical prowess in the western instrumental solo category and secured the first runners-up position. In the classical instrumental (non-percussion) category, Rajvi V. Patel mesmerized the audience with her exceptional skills and won the first runners-up position. Kirtan Solanki, who had already won the first prize in the light vocal category, went on to win the classical instrumental solo (percussion) category as well, further showcasing his musical talent. Lastly, Adithi Pillai secured the 2nd runners-up position in the poster making competition, exhibiting her artistic skills and creativity.



Twisha Patel from Environmental Engineering Department, 7th semester has represented GTU in Association of Indian University (AIU) Badminton tournament.

### INSIGHT TEAM

#### Editor:

Dr. Pankti Desai, Applied Science and Humanities Dept.

#### Co-Editor:

Prof. Sandip Patel, Mechanical Engg. Dept.

#### Contributors:

Prof. Reshma Malan, ASH Dept.

Prof. Jugal Panchal, Mechanical Engg. Dept.

Dr. Sanjay Srivastava, Chemical Engg. Dept.

Prof. Monali Patel Environment, Engg. Dept.

Prof. Neha Patel, Civil Engg. Dept.

Prof. Dipendra Parmar, Electrical Engg. Dept.