

Principal's Message

Dear Students, Faculty, and Staff members,

I hope this message finds you all in good health and high spirits. It is with immense pleasure that I extend my warm greetings on the occasion of the 74th Republic Day of India.

Republic Day is not just a day to celebrate our nation's rich heritage and diverse culture but also an opportunity to reflect upon the values that bind us together as a democratic and progressive society. As we hoist the tricolor flag and sing the national anthem with pride, let us remember the sacrifices of our freedom fighters and commit ourselves to upholding the principles of justice, equality, and liberty for all citizens of this great nation.

I am delighted to announce the inauguration of the D Type Staff Quarters Construction project at our esteemed Government Engineering College, Valsad. This new infrastructure will not only provide comfortable accommodation for our dedicated faculty and staff but also enhance the overall campus environment. It reflects our commitment to creating a conducive atmosphere for both teaching and learning.

Our college has always strived to provide holistic education that extends beyond the classroom. In line with this philosophy, various departments of our college have organized a series of technical visits, workshops, and expert talks in this quarter. Our National Service Scheme (NSS) and Unnat Bharat Abhiyan teams continue to engage in meaningful community service activities. Their dedication and passion for bringing about positive change in the lives of those in need are commendable. I urge all students to actively participate in these initiatives and contribute to the betterment of society.

I extend my best wishes to all of you for a successful and fulfilling academic year ahead. Let us work diligently and make every effort count towards the progress and development of Government Engineering College, Valsad.

Jai Hind!

Dr. V. S. Purani

Celebrating 74th Republic Day with Great Enthusiasm:

GEC Valsad celebrated the 74th Republic Day with grandeur and enthusiasm. The event was graced by the presence of Dr. V. S. Purani, Principal of GEC Valsad, as the Chief Guest. The flag hoisting ceremony was presided over by Dr. V. D. Dhiman and Prof. J. R. Joshi. The national anthem was sung as the flag was hoisted, and everyone present, including staff members, security guards, faculty, students, and their families, saluted the national flag. In his address, the Principal encouraged everyone to give their best and take pride in being Indian. He also urged students to participate in G20 and Azadi ka Amrit Mahotsav activities. Following the ceremony, students showcased their vocal talents, and winners of the Har Ghar Tiranga singing competition performed. Students also shared information about G20 and Azadi ka Amrit Mahotsav. To inspire personal growth, the Gujarati book "Safaltanasopan" by Swami Vivekanand was distributed, containing motivational articles on knowledge, curiosity, concentration, hard work, time management, and personality development. A tree plantation program was held with the Principal, faculty, and Chiragbhai Balsara, Chairman NGO Mahalaxmi Mitra Mandal, near the Amenities block. The event saw a participation of 145 people.



Dr. V. S. Purani, Principal of GEC Valsad hosting the flag.

Sports Week - Champ's Cup 2023:

GEC Valsad organised annual sports week Champ's Cup 2023 under the banner of G20 during 15th to 18th of April 2023. Total 472 Students had registered and participated in various 22 Indoor as well as outdoor sports. The event was inaugurated by Dr. V. D Dhiman and Dr. N. M. Patel sir. Mr. Hitesh Patel, Chief Engineer, Valsad Nagar palika awarded Kabaddi Boys Winner team with medal. Dr. V. S. Purani sir, Principal of GEC, Valsad Congratulated all Participants and encouraged the students to Participate in extracurricular activities. Entire event was coordinated by Prof. K. A. Chaudhari and sports committee of the Institute.



On January 7th, 2023, the inauguration of the construction of D type staff quarters (6 units) took place. Hon. MLA Shree Bharatbhai K. Patel inaugurated the event in the presence of Sarpanch Dharamendrabhai, Dr. Vinay S. Purani, Principal, GEC Valsad, Dr. V. D. Dhiman, In-charge Principal, GEC Valsad, and Prof. D. J. Patel, Head of Civil Engineering Department and other college staff members.



<i>Present Industries</i>	<i>Present Institutes</i>	<i>Present Students</i>	<i>Interviewed Students</i>	<i>Selected Students</i>
54	14	721	871	302

NSS Activities:

One week special NSS camp in Bhagod village: NSS team of GEC Valsad has organized the one-week special camp starting from 30 th January 2023 at Bhagod village, Valsad. Various activities have been done such as Nasha Mukti Abhiyan, Swachhata Abhiyan and Tree plantation, Yoga camp and Nutrition Program, Health Education and Checkup, Traffic Awareness Program, Awareness activity of ‘Beti Bachao’ in this period. A total of 35 NSS volunteers have participated in this camp.

Aiding Our Armed Forces - Donations Drive for Armed Forces Flag Day: Since 1949, the 7th of December marks the observance of Armed Forces Flag Day nationwide - a day of reverence for the valiant martyrs and uniformed personnel who courageously defend our borders, preserving our nation's honor. In alignment with NSS-GTU's directive, NSS GEC Valsad took a stand. Collaboratively, students and staff members came forward, channeling their contributions for the "Armed Forces Flag Day." The generous donations amassed to a sum of INR 22,471/-, a reflection of our collective dedication. On the 16th of February, 2023, a symbolic gesture of solidarity was made as a cheque was presented to GTU, symbolizing our shared commitment to honor and uplift those who have selflessly safeguarded our nation.

World Environmental day celebration 2023: World Environmental day celebration was organised on 5th June by NSS team, Eco club, Energy and Environment club under the banner of Azadi ka Amrit Mahotsav and G20. On the occasion of world Environmental day various activities such as Tree plantation, seed ball plantation, Rally, Expert session, Green Pledge were organised to create awareness about Environment protection. A total of 37 saplings and 16 seed balls were planted by the students. A total of 205 students and 54 faculties were present during the world environmental session. On this occasion, Essay writing and video making competition were organized. The winner of the competitions is as follow. One week Yoga camp

One week Yoga camp: NSS team led by Prof. Jignesh Joshi, had organized yoga camp on the occasion of the international yoga day with the theme of “One world, one Health”. The camp was organized during 14th June to 21st June. On the occasion of international yoga day, a special session was also organized during 6 to 8 am, wherein, Mr Mahendra Mehta and Mr. Dhansukh Patel as a yoga trainer were appointed from Gujarat Yog Board. Total 257 students and 16 faculties have participated in the camp.

Surya namaskar Event: 17th June 2023, the students of Government Engineering College Valsad, under the guidance of Principal, Dr. V. S. Purani, participated in programme “Azadi Ka Amrit Mahotsav” – India@75, organised by NSS Team, where more than 275 participants practiced Surya Namaskar. On this occasion, Yoga and Suryanamskar competition were organized.



One week NSS special Camp in Bhagod Village



Students practicing yoga



Participants during Suryanamaskar competition

Name of the competition	Rank of winner	Name of the winner	Department
Yoga Competition	1st	Patel Kartik	Chemical Engg.
	2nd	Chotaliya Ravi	Chemical Engg.
	3rd	Patel Vidhi	Chemical Engg.
Suryanamaskar	1st	Jadeja Vishwarajsinh	Chemical Engg.
	2nd	DhruvilVachhani	Chemical Engg.
	3rd	Joshi Abhay	Chemical Engg.
Essay Writing Competition	1st	Nayan Varlekar	Electrical Engg
	2nd	Abhishek Jha	Mechanical Engg
	3rd	Khushi Patel	Electrical Engg
Reel it Beat it! (Video making Competition)	1st	Yadav Raj Narayan	Environment Engg
	2nd	Aditya Manoj Bhagat	Environment Engg
	3rd	Patel Nidhi ishwarbhai	Environment Engg



Environmental day celebration

RUSA Activities:

Workshop on Innovative Circuit Design for Electrical Industry Applications: In a collaborative effort, Prof. D. N. Patel, RUSA Coordinator and Prof. J. D. Patel from the Electrical Department, the three-day workshop (16-18 March 2023) organized at Electrical Engineering Department, GEC Valsad aimed to impart foundational knowledge about industrial starter controls, power circuit and control circuit construction, innovative electronics projects tailored for societal and industrial needs, as well as the application of IoT and cloud-based projects. The workshop is conducted by Mr. Hitesh G Bhingradiya from NSGmatic System as the instructor and 55 students have actively participated.



Expert Talk Explores Geometric Design with CAD Tools: An illuminating expert talk on "Geometric Design using CAD tools" was orchestrated by Prof. D. N. Patel, RUSA Coordinator, GEC Valsad, and Dr. V. D. Dhiman, HOD Mechanical, in collaboration. This insightful session, held on March 23, 2023, from 10:30 AM to 1:00 PM at H-119 Seminar Hall, Electrical Engineering Department, brought together the mechanical engineering students of B. E. 6th Semester. The distinguished speaker, Mr. Kaushik Patel, CEO of CADD Centre Valsad & Vapi, shared his extensive experience, boasting over 7 years in the industrial realm and a decade's proficiency in CAD software. The talk aimed to familiarize students with the latest advancements in CAD and CNC technologies, shedding light on how industries are transitioning towards heightened automation from conventional approaches.

Fourth State-level Photography Workshop:

As part of the state-level photography workshop series organized every year, fourth state-level two-days Photography Workshop – ‘Photoengineers-2023’ was organized by the Institute’s Training and Placement cell in collaboration with Media Cell at Government Engineering College, Valsad during April 20-21, 2023. Under the workshop, nationally and internationally renowned photographer Mr. Saurabh Desai (Owner & Co-founder at 50mm Media Productions) as well as Prof. Milap Madhikar (Government Engineering College, Modasa), Nishant Patel and Kevin Mistry (Digital Emotions, Valsad) shared the latest photography techniques and their vast experiences in the field of photography. The lectures given by them and various demonstrations on cameras proved to be very useful in improving the photography skills of the participants. Under this workshop, the participants were also given accurate onsite guidance to take photographs at various places using various photography techniques. 25 participants with deep interest in the field of photography were selected for this workshop. This program was organized and coordinated by Prof. Sandip Patel, Prof. Vijay Visavaliya and Prof. Bhavesh Patel under the guidance of the Principal of the institute Dr. V. S. Purani.



Technical Visit/Workshop/Seminar organized by the Department:

Civil Department: On the 23rd of February 2023, a group of 56 pre-final year students from the Civil Engineering department embarked on an [educational visit](#) to the Water Treatment Plant located at Abrama, Valsad. Accompanying them were esteemed faculty members, Prof. Neha M. Patel and Prof. Keval M. Tandel. The visit to the Water Treatment Plant provided students with valuable insights into the practical aspects of water purification and treatment. It offered a unique opportunity for them to witness the application of theoretical knowledge acquired in the classroom within a real-world setting.

Civil Department: The Civil Engineering department in collaboration with Indian Oil Corporation Limited (IOCL), organized a [seminar](#) on the "Usage of Bitumen" on January 23, 2023. The event saw the participation of esteemed IOCL representatives, including Dr. Anmol Devrukhkar, Navin Kumar, Devendra Patil, and Mr. Shubham. The seminar was livestreamed for broader accessibility and concluded with an interactive Q&A session, enhancing participants' understanding of the subject matter.

Mechanical Department: An enlightening [Workshop](#) on “Design thinking, Critical thinking, and Innovation” unfolded on February 23, 2023, at GEC Valsad. Led by Prof. S. K. Patel, the IIC Departmental Co-ordinator of Mechanical Engineering, the workshop aimed to translate theoretical concepts into practical exercises. Housed in room A-116 of the mechanical engineering department, the event delved into innovative ideas grounded in critical thinking and real-life instances. Prof. V. D. Dhiman, the esteemed HOD of Mechanical Engineering, shared his invaluable insights, enhancing students' understanding. Drawing the participation of 72 students from diverse departments, the workshop fostered a grasp of community-based projects, validating design thinking, and motivating creative solutions to real-world challenges.



Visit at Water Treatment Plant, Valsad



Seminar on the "Usage of Bitumen



Workshop on “Design thinking, Critical thinking, and Innovation

Student’s achievements:

- ✓ Aditya Sapkal (200190105060), Shreyh Barsawade (200190105016), Kirti Bhojhare (200190105026), Viral Patel (200190105001), Alok Singh (200190105005) and Vipraj Singh (200190105015) from Chemical engineering department under mentorship of Dr. S. K. Srivastava (Asst. Prof., Chem. Engg.) have participated in the event " Azadi ka Amrit Mahotsav HACKATHON" organized by SSIP, Government of Gujarat. They secured First position for the problem statement - Recycling of flower offered at the temple" given by Mamlatdar Office, Dwarka (PID526) and won cash prize of Rs. 50,000 (Fifty Thousand).
- ✓ JasmeetKaur Bassan (190190105006), Viral Patel (200190105001), Alok singh(200190105005) and Pratik Limbachiya (200190105064) from Chemical engineering department under mentorship of Prof. R. V. Prajapati (Asst. Prof., Chem. Engg.) have participated in the event " Azadi ka Amrit Mahotsav HACKATHON" organized by SSIP, Government of Gujarat. They secured Third position for the problem statement - Biomass for energy solutions (PID017) and won cash prize of Rs. 20,000 (Twenty Thousand).
- ✓ Shreyh Barsawade (200190105016), Palak Munjani (200190105088), and Jay Jadav (200190105045) under the guidance of Dr. S. K. Srivastava (Asst. Prof., Chem. Engg.) have presented a Poster entitled "Extraction of pyrethrin from temple waste using extraction techniques" at 18th National Students Conference "PRAKALP" held at MITAoE Pune under the banner of IChE Pune Regional centre and Won Best Poster award with Cash prize of Rs. 3,000 (Three Thousand)..
- ✓ Third year chemical engineering students named Kalivarapu Pavan Venkataramana and Kevin Patel under mentorship of Dr. B. R. Sudani (Asst. Prof., Chemistry) has won 1st prize in the Grand finale of Hackathon Organized by GPCB on 2nd June 2023 on the topic of “Solution for Waste Reduction”. The event was organized by Gujarat Pollution Control Board, Government of Gujarat. The Title of the Project was “To convert waste PMMA plastic scrap into a multipurpose puzzle game”. The Team was awarded with prize money Rs. 50,000/- at Marwadi University, Rajkot.
- ✓ Final year students of Chemical engineering named Srushti Agrawal (Team Leader), Smitpuri Gosai, Khushal Italiya, Hitendra Hedav and Yuvranjsinh Gohil had reached to TOP 32 and semifinal round of “SmartIdeathon-2023” at GITAM University-Hyderabad, India” under guidance of Dr. S. K. Srivastava (Asst. Prof., Chem.. Engg.).

Faculty achievements:

- ✓ The patent having application number 202321033819, “solar still augmented by pyramidal and semi elliptical shaped hollow and solid absorber plates with and without frustum” was published on 16/06/2023 by Mr. Aakash M. Patel (M.E. Energy Engg. 4th semester student, Enrollment No. 210190739007), Prof. S. K. Patel (Asst. Professor, Mechanical), Prof. J. M. Panchal (Asst. Professor, Mechanical), and Prof. H. N. Patel (Asst. Professor, Mechanical).
- ✓ Prof H A Vaidya (Asst. Professor, Mechanical) reviewed three research articles in "Journal of Thermal Engineering", "International Journal of Thermofluids" and "Trends in Science".
- ✓ The institute congratulates Prof. Dr. V. D. Dhiman, Head, Mechanical Engg. Dept., GEC Valsad for successfully guiding his Doctor of Philosophy (PhD) student, Prof. Mili J. Hota on her dissertation topic “Experimental Investigations On Vibration Response of Misaligned Rotors Connected by Flexible Mechanical Coupling with Parallel and Angular Misalignment.” She has been awarded the phd degree by GTU on 15/03/2023.
- ✓ Dr. B. R. Sudani (Asst. Professor Chemistry) as a co-author has published a book chapter on “Recent Advances and New Strategies in the Medical Perspective of Quinolone Derivatives as Anti-infective Agents” Advances in Chemistry Research (2023) Vol. 78, Issue 76, Pages: 52566-52571, NOVA Science.
- ✓ Dr. B. R. Sudani (Asst. Professor, Chemistry) published an article on “Preparation and Characterization of Activated Charcoal from Kapok Tree, Coconut Shell, and Peanut Shell with Comparative Study” in Indian Journal of Natural Sciences (02/2023), Vol. 13, Issue 76, Pages: 52566-52571
- ✓ Dr. B. R. Sudani (Asst. Professor, Chemistry) has participated in the Unnati Mahotsavat IIT Delhi under Unnat Bharat Abhiyan as a Coordinator and Innovator on 17th and 18th March, 2023. He has presented model of Solar Dyer which was selected among all 75 models from leading institutes across India including IITs and NITs under UBA scheme.



Expert Lecture/Talk delivered by Faculty Members:

- ✓ Expert session was delivered Prof. R. V. Prajapati (Asst. Prof. Chemical) on “Environment Sustainability & Lifestyle: Science & Technology” at District Science Centre, Dharapur on 5th June 2023.
- ✓ An online expert session was delivered Prof. R. V. Prajapati (Asst. Prof. Chemical) on “Workshop on Business Model Canvas” at Poly Technique, Wagai on 12th May 2023.
- ✓ An expert talk was delivered by Dr. B. R. Sudani (Asst. Professor Chemistry) on “Innovation and Start Up in Science and Engineering” organized by Government Polytechnic College, Valsad on 30th June-2023.
- ✓ An expert talk was delivered by Prof. H. M. Jariwala (Asst. Prof. Chemical) on “How to plan for start-up and legal & ethical steps” at Government engineering college Valsad on 26th June 2023.
- ✓ A talk was delivered by Dr. B. R. Sudani (Asst. Professor Chemistry) on “RASTRIYA UTTHANME YUVAOKI BHUMIKA” organized by KBS Commerce and Nataraj Professional Sciences College, Vapi on 12th January 2023.
- ✓ A talk was delivered by Dr. B. R. Sudani (Asst. Professor Chemistry) on “ROLE OF YOUTH IN NATION UPLIFTING” at SANDRA SHROFF ROFEL COLLEGE OF NURSING, VAPI on 12th January 2023.
- ✓ A talk was delivered by Dr. B. R. Sudani (Asst. Professor Chemistry) in National Science Day celebration on “Life and Work of Dr. C. V. Raman” at District Science Center Dharampur on 28th February. 2023.
- ✓ A talk was delivered by Dr. B. R. Sudani (Asst. Professor Chemistry) on “Implementation of 10 Bagless days in School - Pre Vocational Activities” at Pardi BRC, Pardi on 13th March 2023.
- ✓ A session was delivered by Dr. B. R. Sudani (Asst. Professor Chemistry) on “Youth Awareness” on the Occasion of G20 Presidency of Bharat at Shri Moraraji Desai Nagar Palika Auditorium, Pardi arranged by Government Science College, Pardi and Government Engineering College, Valsad, on 24th February, 2023.
- ✓ A session was delivered by Dr. B. R. Sudani (Asst. Professor Chemistry) on “Youth Awareness” on the Occasion of G20 Presidency of Bharat at BAI AVA BAI School Valsad arranged by Government Science College, Pardi and Government Engineering College, Valsad, on 22nd February, 2023.
- ✓ An Expert Lecture was delivered by Prof. Sandip T. Patel (Asst. Professor, Mechanical) on “Basic and Engineering Application of FEA” at Government Engineering College, Bharuch on 6th March 2023.
- ✓ An Expert talk was delivered by Prof. Sandip T. Patel (Asst. Professor, Mechanical) as a keynote speaker on the Occasion of one-day national workshop on “Industry 4.0 and Additive Manufacturing Synergy” at IEI Auditorium, Mahida Bhavan, Surat on 14th March 2023. The event was Jointly organised by Vidyadeep university and Dr S. and S. S. Gandhi Government Engineering College, Surat in collaboration with Institute of Engineers India, South Gujarat local center.

SSIP 2.0 boot camp for school students

Government Engineering College Valsad and Office of the district education, Valsad jointly organised a summer bootcamp for school students on 11th and 12th April 2023. The primary focus of the bootcamp was to provide school students with exposure to the field of engineering, highlighting innovation, recent trends, and showcasing models prepared by engineering students. Approximately 450 students benefited from the boot camp. Students interacted with industry experts and academicians of the engineering field and had their queries resolved.

The participating schools in the boot camp were:

1. Shri Shramjivi School, Valsad
2. Shri Atul Vidyalaya, Atul
3. Bai Avabai School, Valsad
4. Kusum Vidyalaya, Valsad
5. Shri R.M. & V.M. School, Valsad
6. Shri BAPS Vidya Mandir, Valsad
7. Shri Jay Ambe International School, Valsad
8. Shri Atul Vidya Mandir, Pardi

A session on “Innovation and Innovative Techniques to Fight against Corruption”

A session on “Innovation and Innovative Techniques to Fight against Corruption” Jointly organized by Government Engineering College Valsad & Anti-Corruption Bureau, Valsad. The program was held on 04-05-2023 at the Government Engineering College Valsad, and was attended by students, faculty members and personals from ACB.

Celebration of World Ocean Day 2023

On June 8th, 2023, Government Engineering College (GEC) Valsad organized a remarkable event to commemorate World Ocean Day. The event aimed to educate and inspire individuals to take action in preserving and protecting our oceans. The event featured an expert talk by Bhairavi Joshi from Trayam Foundation, Awareness session by Chaitaliben Rajput and Dr. Kashyap L. Mokariya, Head of Electrical Engineering Department, GEC Valsad. With a total participation count of 75, including students and faculty members, the event reached a significant audience. By inspiring individuals to protect and preserve our oceans, this event at GEC, Valsad contributed to the global efforts in safeguarding this vital ecosystem for future generations.

समय-समय का सफर

कर रहा था ईश्वर को धन्यवाद, अच्छा रिजल्ट आने के लिए,
मुझे क्या पता था ये पैगाम है, अपनो से दूर जाने के लिए ॥

परिवार को समझाया, सबको मनाया, उनसे दूर जाने के लिए ;
सोचा न था की कभी पढ़ाई छुड़वाएगी घर , घर चलाने के लिए ॥

मां ने खुद को संभालते हुए, पिता ने हौसला बढ़ाते हुए,
उन्होंने मुझको खुद से दूर भेजा, छुपकर आंसू गिराते हुए ॥

जाने से पहले दोस्तो से मिला , उनसे बातें कर मन हल्का किया ;
फिर हर छुट्टियों मिलने का (जूठा ही सही ,) एक वादा किया ॥

मैंने सब दोस्तो को गले लगाकर कहा "फिर मिलेंगे" ,
धीरे से खुद को कहा "अगर मिल न पाए तो यादों में ही जी लेंगे" ॥

जिस लड़की से प्यार किया, जिसको हर सांस में जिया ,
उसको अपने दिल की बात कहे बिना ही चल दिया ॥

देखते ही देखते स्कूल का मीठा शोर छूट गया ;
पता ही नहीं चला कब बचपन का वो दौर छूट गया ॥

अब शहर में आके बस गया और यही का मैं हो गया ;
जिंदगी की भागदौड़ में जैसे मैं खुद ही खुद से खो गया ॥

मां की रोटी छूट गई, मीठी नींद जैसे टूट गई ;
होटल के पकवानों से तो जैसे मेरी भूख ही रूठ गई ॥

आज भी अपने गांव की याद आती है, नींद में भी सताती है ;
जितनी कोशिश करूं भूलने की, उतना ज्यादा रुलाती है ॥

फिर भी नहीं छोड़ सकता साथ, इस बेरूखी जिंदगी का ;
क्योंकि यही सहारा है मेरे उज्ज्वल भविष्य का ॥

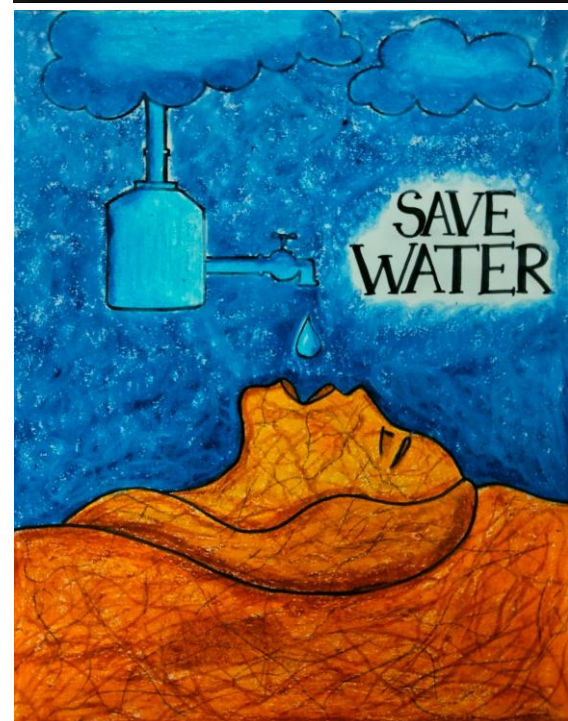
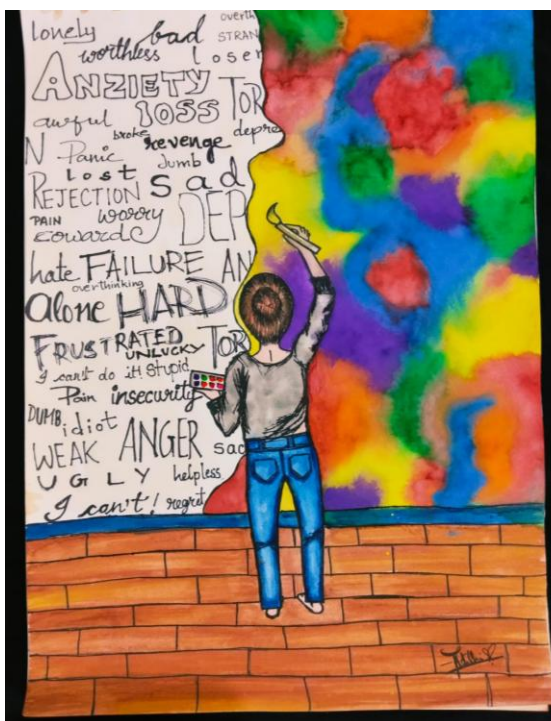
हकीकत से अनजान नहीं हूं , सपनों में जीनेवाला इंसान नहीं हूं ;
फिर भी मनसोचे मेरा

काश वो पल फिर से आए , वो वक्त खुद को दोहराएं ;
हम सब मिलकर फिर से वही मासूम बच्चे बन जाए ॥

Poem by Jash Nitinkumar Shah (210190105132).
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