

# ZEST

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E-NEWSLETTER

Issue 11, Jul-Dec 2025

## GOVERNMENT POLYTECHNIC BHUJ

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# INSTITUTE PROFILE



Government Polytechnic, Bhuj is a Diploma Engineering Institute situated in Bhuj City of Kutch District. The institute is governed by Directorate of Technical Education, Government of Gujarat and affiliated to Gujarat Technological University, Ahmedabad. The institute is equipped with robust infrastructure, experienced faculty and enthusiast academic environment. It strives to provide quality education and produce skilled Diploma Engineers since its inception in 1987. The institute is approved by All India Council for Technical Education of India and offers Diploma Engineering Programs in Five Branches Namely Civil Engineering, Computer Engineering, Electrical Engineering, Mechanical Engineering and Mining Engineering.

## VISION

- Produce competent diploma engineers to serve industry and society.

## MISSION

1. Impart technical knowledge and skills through dynamic learning environment.
2. Mobilize institute resources for co-curricular and extra-curricular activities.
3. Create strong institute-industry linkages to enhance students' employability and Entrepreneurship.

# PRINCIPAL'S MESSAGE

It gives me great pleasure to present the 11th edition of ZEST, reflecting the enthusiasm, creativity, and achievements of our students and staff during the academic year. Through initiatives such as awareness seminars, environmental drives, cultural celebrations, and national programs honoring leaders like Shri Sardar Vallabhbhai Patel, as well as activities inspired by the development vision of Shri Narendra Modi, our institute has continued to promote holistic education rooted in values, responsibility, and innovation.



Our students have also excelled beyond classrooms by participating in major platforms such as events organized by Gujarat Technological University, NCC camps, and research initiatives including a published patent, demonstrating their technical competence and leadership skills. Celebrations like Jan Jatiya Gaurav Varsh honoring Birsa Munda further strengthened their sense of heritage and citizenship. I congratulate all contributors and encourage everyone to continue striving for excellence and meaningful societal impact.

Warm regards,

Dr. Gaurang V. Lakhani,

Principal, Government Polytechnic Bhuj.

# CIVIL ENGINEERING DEPARTMENT

- Site Visit of BAPS Swaminarayan Mandir, Bhuj



A site visit to the under-construction BAPS Swaminarayan Mandir on Airport Ring Road, Bhuj, was organized by the Civil Engineering Department on 18th July 2025, covering a 13-acre project with a proposed built-up area of approximately 26,500 sq. m comprising the main temple and associated buildings. During the visit, students observed ongoing activities such as ground floor slab casting of Sant Niwas, reinforcement and shuttering for the subsequent slab, and masonry work for the main temple, providing insight into large-scale construction executed with modern techniques and systematic planning. Students gained practical exposure to advanced construction practices and equipment, including an on-site RMC batching plant, transit mixers, concrete boom pumps, and tower crane operations, along with reinforcement cutting, bending, and binding at the reinforcement yard, shuttering systems, concrete compaction using needle vibrators, and finishing works. The use of M25 and M30 grade concrete, reinforcement detailing, and admixtures for improved workability were explained, enhancing students' understanding of construction sequencing, quality control, and safety practices

# CIVIL ENGINEERING DEPARTMENT

- Site Visit of Nagor Railway Over Bridge (ROB), Bhuj



A site visit to the Nagor Railway Over Bridge (ROB) near Airport Circle, Bhuj, was conducted by the Civil Engineering Department on 07th August 2025 to study a major infrastructure project undertaken by NHAI (PIU Gandhidham) and executed by GR Infraprojects Ltd. under the Hybrid Annuity Mode (HAM). The ROB comprises a main bridge of 240 m length with a total length of about 1.8 km including approach roads, designed to ensure uninterrupted traffic over the railway crossing. During the visit, students were introduced to key construction and structural aspects of bridge engineering, including cast-in-situ RCC pile foundations of 1.2 m diameter supporting piers and abutments, a superstructure consisting of composite steel girders over railway spans and PSC girders in other spans, supported on spherical bearings and RCC pedestals. The use of reinforced earth retaining walls, seismic stoppers, rollatic sheets, and important design considerations such as vertical clearance, super-elevation, and approach road gradients were explained, providing students with valuable insight into modern bridge construction and large-scale highway infrastructure projects.

# CIVIL ENGINEERING DEPARTMENT

- Site Visit of New Bhuj Railway Station, Bhuj



The redevelopment of New Bhuj Railway Station is progressing rapidly at an estimated cost of ₹179.87 crore. To provide practical exposure to students, the Civil Engineering Department had assigned project work to one group of 7 students. To offer realistic experience to the ongoing work an industrial site visit was organized on 03<sup>rd</sup> October 2025. All project group students participated in the visit accompanied by Mr.N.V.Thaker. Mr. Hitesh Donga provided an overview of the construction progress and discussed significant structural and constructional features of the project

- Student Participation:



A Project for Advanced Surveying was arranged on 18<sup>th</sup> September, 2025 for semester 4 students by the civil engineering department which was attended by 46 Students

# COMPUTER ENGINEERING DEPARTMENT

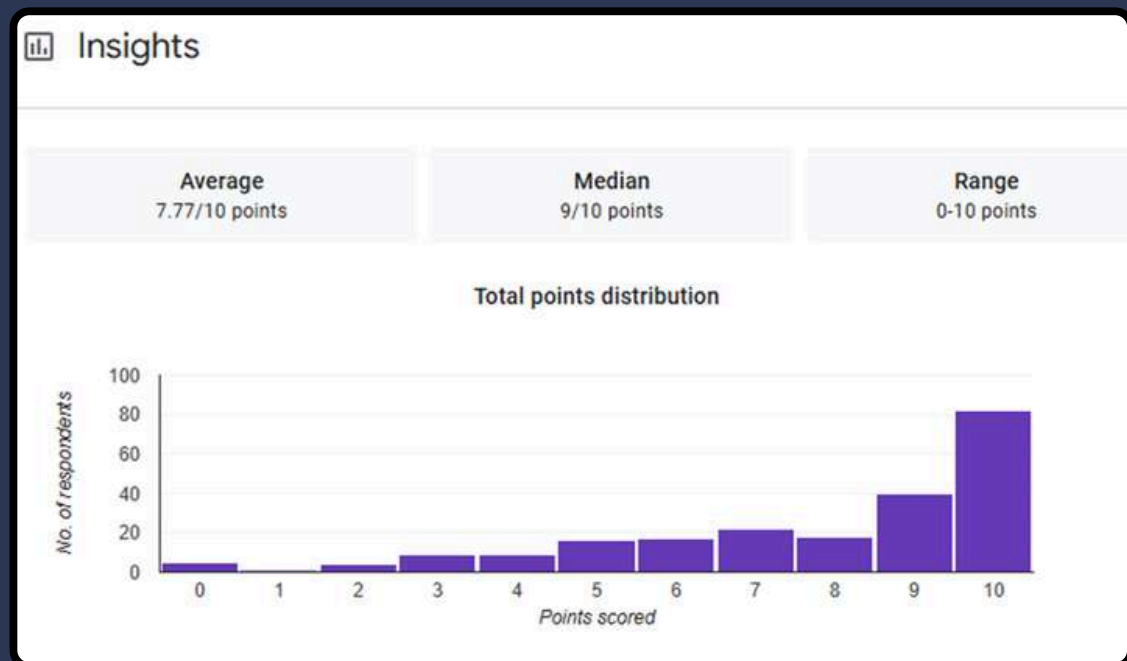
- Expert Lecture



The Expert Lecture on “Cyber Security Awareness and Safe Usage of Mobile Phones”, organized under the CAWACH Initiative of the Government of Gujarat by the Computer Engineering Department of Government Polytechnic, Bhuj, was held on 26th August, 2025 at the institute auditorium with the participation of around 200 students and faculty members. The session was delivered by Mr. H. G. Devmani, PSI, Cyber Crime Cell, Kutch Police Department, who explained common cyber threats, online frauds, and safe mobile usage through real-life examples and practical demonstrations. A live demonstration on mobile security and app permissions created strong awareness among participants and encouraged them to adopt better cyber hygiene practices. The interactive lecture was highly informative and contributed significantly toward building a cyber-aware and digitally responsible campus

# COMPUTER ENGINEERING DEPARTMENT

- Cyber Security Quiz



The Cyber Security Quiz, organized under the CAWACH Initiative of the Government of Gujarat by the Computer Engineering Department of Government Polytechnic, Bhuj, was conducted on 10th December, 2025 to assess and strengthen cyber security awareness among students. A total of 223 students actively participated in the online quiz, which covered important topics such as strong password practices, phishing attacks, malware, safe browsing, two-factor authentication, and the importance of software updates. The results of the quiz were encouraging, with students securing an average score of 7.77 out of 10, and more than 80 students scoring high marks, indicating a good level of cyber security awareness among participants. The outcome of the quiz demonstrated the effectiveness of the initiative in improving students' understanding of cyber hygiene and promoting safe and responsible digital behavior.

# ELECTRICAL ENGINEERING DEPARTMENT

- **INDUSTRIAL VISIT: Jyoti Transelect Co**



The Electrical Engineering Department organised a 1-day visit to Jyoti Transelect Co., Bhuj, on 20/09/2025. 40 students of the 5th semester attended the visit.. The students learned about construction, repair, and maintenance of distribution and power transformers. Faculty members Mr. M. K. Raval (LEE) and Ms. R. A. Vyas (LEE) accompanied the students.

- **Attended One day Seminar**



As part of the institute's delegation, two students of the Electrical Engineering Department attended a one-day seminar on "Optimizing Energy Cost through Renewable Energy", organized by Shree Kachchh China Clay Association and All Kutch Bentonite Manufacturer Association on 12/09/2025. The students namely Mr. Kavaljeet Jansari (236210309047) and Mr. Paras Khodiyar (236210309052), accompanied by the department faculty member Ms. R. A. Vyas (LEE) attended the seminar.

# ELECTRICAL ENGINEERING DEPARTMENT

- EXPERT LECTURE



The Electrical Engineering Department organized an expert lecture on 19<sup>TH</sup> December 2025 on the topic “Awareness of Energy Conservation and Save Electricity.” The session was conducted by officials from Paschim Gujarat Vij Company Limited (PGVCL), Bhuj, who shared valuable insights on the importance of conserving electrical energy in daily life as well as in industrial applications. The experts explained practical methods to reduce electricity consumption, the benefits of using energy-efficient appliances, and the role of renewable energy sources in sustainable development. They also created awareness about responsible energy usage, government initiatives, and safety measures related to electricity. Around 75 students actively attended the lecture and gained useful knowledge about how small individual efforts can contribute significantly to national energy conservation goals.

# MECHANICAL ENGINEERING DEPARTMENT

- INDUSTRIAL VISIT:



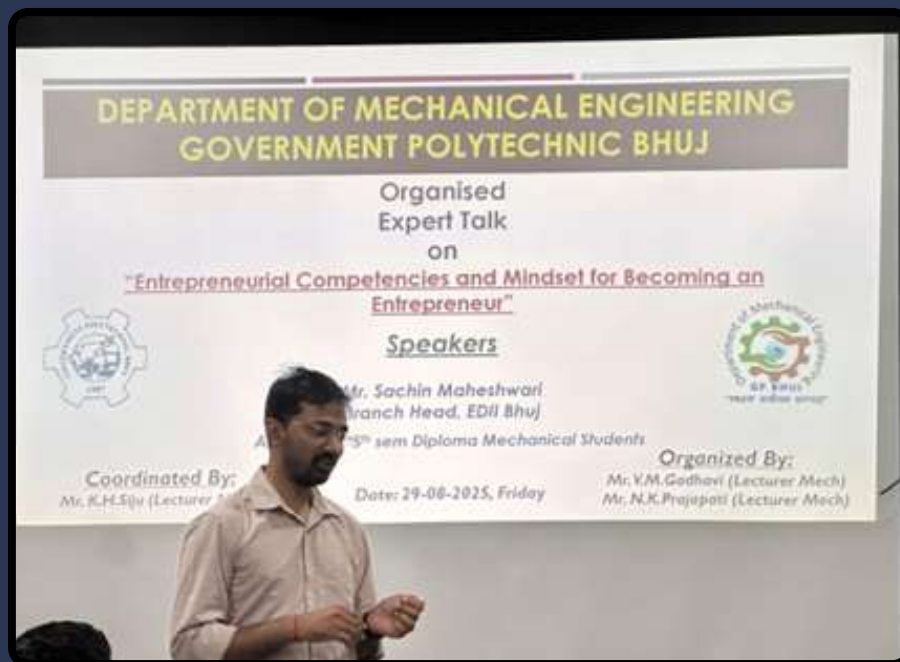
The Mechanical Engineering Department conducted industrial visits on 30th August 2025 to enhance students' practical exposure to manufacturing technologies. 3rd and 5th semester students visited Aditya Pumps and Umiya Engineering Works at Mirjapur, accompanied by faculty members Mr. H.S. Sorathia (LME), D.B. Lokwani (LME), D.L. Suthar (LME), and V.M. Gadhavi (LME).

At Aditya Pumps, students observed a diverse range of industrial pumping solutions, including vertical and horizontal axial flow pumps, multistage high-pressure pumps, and chemical process pumps, designed for applications in water treatment, chemical industries, and fluid handling systems. The company emphasized quality manufacturing processes, durable materials, and after-sales support for efficient and long-term operation.

The visit to Umiya Engineering Works provided students with exposure to advanced front-end loader attachments and various buckets used in agricultural and material-handling applications, highlighting bespoke fabrication of hydraulic loader attachments and the importance of precision machining to meet client-specific requirements. A total of 58 students participated in the visit, including 30 from the 3rd semester and 28 from the 5th semester, and the experience successfully bridged theoretical concepts with real-world industrial practices, enhancing students' understanding of mechanical design, production techniques, and industrial standards.

# MECHANICAL ENGINEERING DEPARTMENT

- EXPERT LECTURE



The Mechanical Engineering Department organized two expert lectures for the students of the 3rd and 5th semesters with the objective of enhancing their technical knowledge, professional awareness, and career development skills. Among these sessions, an expert lecture titled “Entrepreneurial Competencies and Mindset for Becoming an Entrepreneur” was conducted on 29th August 2025. The session was delivered by Mr. Sachin Maheshwari, Branch Head, Bhuj, Entrepreneurship Development Institute of India (EDII). During the lecture, the expert explained the importance of developing an entrepreneurial mindset among young engineers and highlighted key competencies required to become a successful entrepreneur. He discussed qualities such as innovation, creativity, leadership, problem-solving ability, calculated risk-taking, and effective decision-making. The speaker also emphasized the growing role of startups and entrepreneurship in the modern economy and encouraged students to explore self-employment and startup opportunities instead of relying solely on traditional jobs. A total of 28 students (14 from each semester) actively participated in the session, making it interactive through questions and discussions. The lecture proved to be highly informative and inspiring, providing students with valuable guidance on entrepreneurial thinking, startup culture, and alternative career paths beyond conventional employment.

# MECHANICAL ENGINEERING DEPARTMENT

- EXPERT LECTURE



The second expert lecture on “Hydraulic Pump & Turbine” was conducted on 03 September 2025 by Mr. S. P. Singh, Assistant General Manager (Maintenance), MAN Industries (India) Ltd. The session aimed to provide students with practical and industry-oriented knowledge related to hydraulic systems used in mechanical and industrial applications. During the lecture, the expert explained the working principles, types, and applications of hydraulic pumps and turbines, along with their importance in various industrial processes. He also discussed maintenance practices, operational efficiency, common faults, and troubleshooting methods used in real industrial environments. Through practical examples and industrial experiences, the speaker highlighted the challenges faced in maintaining hydraulic equipment and the importance of proper system management for smooth plant operations. The session helped students connect their theoretical knowledge with real-world industrial applications. A total of 36 students participated in the lecture, including 11 students from Semester 3 and 25 students from Semester 5, making the session interactive through questions and discussions. The lecture proved to be informative and beneficial in enhancing the students’ understanding of hydraulic machinery and its practical applications in industry.

Both expert sessions were highly informative and interactive, bridging the gap between academic learning and industry expectations, and significantly contributing to students’ technical and professional development

# SCIENCE & HUMANITIES DEPARTMENT

- DDCET Guidance seminar



An online orientation program was organized for the first semester students of Gujarat Technological University (GTU) for the academic year 2025–26 by the Science and Humanities Department. The program was held virtually on 7th August 2025, starting at 3:00 PM. It was aimed at welcoming newly admitted students and familiarizing them with the university's academic structure, key personnel, and support systems. The orientation was targeted at newly admitted students along with all faculty members and Principals or Heads of Departments of affiliated institutes. Dr L.K. Sanghavi (Incharge HOD) and other faculties of the department coordinated the whole event successfully.

- Diwali celebration



Diwali is one of the most joyous and significant festival celebrated in India. Celebrating this festival at a workplace is one of the biggest employee engagement activities. As a part of Diwali celebration, the Science & Humanities Department organized rangoli making event at the department on 16th October, 2025. All the members of the department celebrated it with great fervour and enthusiasm.

# MINING ENGINEERING DEPARTMENT

- Industrial Visit: Learning Experience at Gimpex-Imerys Pvt. Ltd



On 14th October, 2025, the Department of Mining Engineering at Government Polytechnic Bhuj organized an industrial visit to the Gimpex-Imerys Pvt. Ltd. Plant for Semester 5 Diploma students. Coordinated by Shri S. G. Srivastav (LMnE) and Shri J. K. Patel (LMnE), the visit aimed to bridge the gap between theoretical coursework and real-world industrial practices.

Nine students gained firsthand exposure to key plant operations such as raw material handling, mineral beneficiation, quality control, and safety practices, with detailed machinery demonstrations by plant officials highlighting environmental standards and workforce management. The visit enhanced students' practical understanding of modern technologies and clarified the operational role and career prospects of mining engineers.

# MINING ENGINEERING DEPARTMENT

- Expert Lecture: “Electrical Systems and Safety Practices in Mining and Renewable Energy Industries”



On 7<sup>th</sup> October , 2025, the Department of Mining Engineering at Government Polytechnic, Bhuj, hosted an expert lecture on “Electrical Systems and Safety Practices in Mining and Renewable Energy Industries.” Coordinated by Mr. S. N. Heruvala (LMnE), the session aimed to connect academic theory with industrial reality.

The keynote speaker, Mr. M. B. Kachhadiya (Senior Manager, GIPCL), addressed 24 students from the 3<sup>rd</sup> and 5<sup>th</sup> semesters, sharing insights on modern electrical safety standards and the integration of renewable energy in mining operations. The interactive session effectively bridged classroom learning with current industrial technologies and safety practices in the energy and mining sectors.

# MINING ENGINEERING DEPARTMENT

- Expert Lecture: “Smart Machines, Deep Mines: Integrating AI in Mining Operations”



On 28th November , 2025, the Department of Mining Engineering at Government Polytechnic, Bhuj, hosted a transformative expert lecture titled “Smart Machines, Deep Mines: Integrating AI in Mining Operations.” Coordinated by Mr. R. J. Mistry (LMnE), the session featured Dr. J. V. Modi (GEC Palanpur) as the keynote speaker.

Attended by 27 students and 4 faculty members, the lecture explored the critical intersection of AI, automation, and deep underground mining. Dr. Modi provided a roadmap for future-ready operations, covering essential applications such as predictive maintenance, autonomous haulage, and sensor-based hazard detection. The session emphasized how AI drives sustainability through energy optimization and safety enhancements, reinforcing the department's commitment to preparing students for the digital evolution of the mining sector.

# APPLIED MECHANICS DEPARTMENT

- Retirement of Mr. N. J. Gadhvi



On 31st October, 2025, a farewell function was organized to honor the retirement of Mr. N. J. Gadhvi (Ambabhai) who has rendered many years of sincere and committed service. The program was attended by the principal sir, heads of the departments, faculty members, admin staff and colleagues, who gathered to express their appreciation and gratitude. Many of the retired staff were also invited and attended the farewell graciously.

During the function, speakers highlighted his valuable contribution, work ethics and devotion to duty throughout the service period. Warm wishes were extended for good health, happiness and a fulfilling post-retirement life. As a mark of respect and remembrance, a memento was presented to the retiring employee.

# PRINCIPAL'S ACHIEVEMENTS



- Dr. Guarang V. Lakhani attended final DPC of Mr Pankaj Gupta (Research Scholar of CE/IT) as a RPC (DPC Member) at Ganpat University on 21<sup>st</sup> July, 2025
- He also published a Proceeding Paper titled 'Deep Learning and Transfer Learning Models of Indian Food Classification' along with co authors Jigarkumar Ambalal Patel , Dr Dileep Laxmansingh Labana, and, Rashmika Ketan Vaghela in October, 2025 in the Journal namely Engineering Proceedings.
- Moreover, He worked as a reviewer in International Conferences namely Artificial Intelligence and cyber security 2026 by Sakalchand Patel University Visnagar Gujarat on 24th December, 2025 and the International Conference titled Next-Gen Computing: Converging Microelectronics and Mechatronics for Transformative Solutions by IEEE Hyderabad Section on 15th December, 2025

# FACULTY ACHIEVEMENTS

- Civil Engineering Department



Dr Bharat V.Thacker had received Certificate of Appreciation from NPTEL for his role as mentor during NPTEL online certification course July-Octo-2025

- Electrical Engineering Department

## Book Publication



Four faculty members of the Electrical Engineering Department have published a book on “Artificial Intelligence in Education: A Beginner’s Guide to Intelligent Learning Systems”. The book release was done in the presence of the honorable Minister of Higher and Technical Education (State), Gujarat, Mr. Trikambhai B. Chhanga. The authors are Mr. Manmit Vadher (LEE), Mr. Vasim Mistry (LEE), Mr. Yogendrabharthi Gusai (LEE), and Mr. Mitesh Raval (LEE). ISBN-13: 978-9368514978. The book has been published by Phoenix International Publication House

# FACULTY ACHIEVEMENTS

- Mining Engineering Department

## Toppers in MOOC



Demonstrating a dedication to continuous improvement, Mr. C V Thakor (LMnE) and Mr. S N Heruvala (LMnE) have successfully completed MOOC certification courses. Mr. C V Thakor excelled with an 86% score with Silver medal in "Instruction for Good Learning," complemented by Mr. S N Heruvala's strong 82% performance with Silver medal in "Artificial Intelligence in Industrial and Management Engineering."

## National Recognition at Bushikan Cup Karate Championship



Mr. S C Dabhekar (LMnE) earned a remarkable 3rd position at the 10th All India Bushikan Cup Karate Championship, held at the Nehru Complex, Dhanbad, on 10<sup>th</sup> and 11<sup>th</sup> October, 2025. Organized by the International Shotokan Karate Kyokai, the prestigious event featured competitors from five states. The medal ceremony was graced by Mr. Aman Raj (CVO, BCCI) and Mr. Sunil Kumar (Director, Doon Public School). Mr. S C Dabhekar's success highlights the diverse talents of our faculty, showcasing the value of balancing academic duties with holistic personal excellence.

# FACULTY ACHIEVEMENTS

- Mechanical Engineering Department

## NPTEL Domain Certificate



Mr. Siju Kanji Hamirbhai (LME) has successfully completed the NPTEL Faculty Domain - Advance Program and received his Domain Certificate.

## Mentor Certificate under Local Chapter



Mr. Siju Kanji Hamirbhai (LME) successfully mentored two students for the Entrepreneurship course offered via the SWAYAM portal under our college's Local Chapter. As a result, both students achieved "Elite" performance ratings in the final assessment.

# FACULTY ACHIEVEMENTS

- Mechanical Engineering Department  
Topper in MOOC



Mr. Siju Kanji Hamirbhai (LME) has successfully completed the MOOC course on "Accreditation and Outcome Based Learning" and secured a place as a Topper in the top 2% of all participants nationwide.

## AICTE-QIP-PG Certificate Programme



Mr. Deven Dhirajlal Pandya, Lecturer in Mechanical Engineering (LME), Government Polytechnic, Bhuj, has successfully completed the AICTE-QIP-PG Certificate Programme in Cybersecurity conducted by the Indian Institute of Information Technology (IIIT), Vadodara. The six-month programme, held from July to December 2025, was organized under the AICTE Quality Improvement Programme (QIP) and coordinated by IIIT Vadodara.

The programme covered advanced modules including Programming for Cybersecurity, Data Science for Engineers, Information Security, Cybersecurity Essentials, and Cybersecurity Tools & Technologies. Mr. Pandya demonstrated excellent academic performance, securing a CPI of 9.83.

# FACULTY ACHIEVEMENTS

- Mechanical Engineering Department

## Faculty Training and Professional Development Activities



During the academic year 2025–26, faculty members of the institute actively participated in various Faculty Development Programs (FDPs), workshops, and MOOC courses to enhance their technical expertise and teaching effectiveness.

Mr. N. K. Prajapati achieved Silver category performance in the first training and secured a Top 2% (Topper) distinction in the second training, reflecting outstanding academic excellence

## Gujarati Translation of Technical Course



Mr. Navneetkumar Kanjibhai Prajapati, faculty member of the institute, has successfully completed the Gujarati translation of the course “Introduction to Abrasive Machining and Finishing Processes (Course Code: 112103250)” on 22 October 2025

# FACULTY ACHIEVEMENTS

- Science and Humanities Department

## Topper in MOOC



Dr Lopa K Sanghavi (LCHEM) has successfully completed the MOOC course on "Applied Positive Psychology", achieved GOLD performance and secured a place as a Topper in the top 2% of all participants nationwide.

## Summer Research Fellowship Program

Dr. H. D. Patel (LMaths) has worked on a project entitled "A study of Danielewski surfaces" from 12<sup>th</sup> May, 2025 to 12<sup>th</sup> July, 2025 as a Summer Research Fellow under the supervision of Prof. Indranath Sengupta, Indian Institute of Technology, Gandhinagar. The Summer Research Fellowship Program was jointly sponsored by IASc (Bengaluru), INSA (New Delhi) and NASI (Prayagraj).



## Minor Research Project under Research Promotion Scheme

Dr. H. D. Patel (LMaths) has completed the Minor Research Project under Research Promotion Scheme entitled "Some problems from the complement of the weakly annihilating-ideal graph of a commutative ring". This research project was sponsored by Gujarat Technological University, Ahmedabad.

# FACULTY ACHIEVEMENTS

- Applied Mechanics Department

## Achievement in national level lawn tennis tournament



All India Civil Service Lawn Tennis tournament 2025-26 was held at Gandhinagar, Gujarat from 16<sup>th</sup> December, 2025 to 22<sup>nd</sup> December, 2025. This national level event was hosted by the General Administrative Department, Government of Gujarat under the auspices of Central Civil Services Cultural and Sports Board, New Delhi. A total of 28 teams and 300 players from all states and union territories of India participated. In this sports meet, Gujarat Secretariat Woman's team won the Bronze medal. Ms. J. N. Thacker (LAM) had a key role playing both singles and doubles matches for team Gujarat at all stages of the campaign. She won her singles match in the bronze medal round against the RSB Mumbai player convincingly with the score of 9-0. This is a historic achievement for Gujarat state as it's the first ever trophy in the AICS tennis event.

# STUDENTS' ACHIEVEMENT

- Result Glimpses

Gujarat Technological University Government Polytechnic Bhuj			
DIPLOMA SEM 5 - Top 10 student (CGPA Wise)			
SR NO	Enrollment No	NAME	CGPA
1	236210307118	SODHA MANOHARSINH CHANDUBHA	9.81
2	236210309081	PURABIA KAVYA DIPENBHAI	9.78
3	236210322017	MAHOR SUDEEP NARENDRAKUMAR	9.78
4	236210307082	POKAR BANSI RAJENDRA	9.52
5	236210319045	KARATELA RUDRA SACHIN	9.47
6	236210307128	TILAK KUSHAL SURESH	9.43
7	236210309020	GANGAL ISHWAR KARMSHIBHAI	9.4
8	236210306022	DONGA POOJAN HITESHBHAI	9.33
9	236210307143	VORANI MEGHA DEEPAKBHAI	9.33
10	236210307137	VAGHELA RUDRA YAGNESHBHAI	9.24

# STUDENTS' ACHIEVEMENT

- Civil Engineering Department

## Student Participation in NPTEL –MOOC Course



In align with NEP-2020 mission; GTU has implemented MOOC policy which encourages students to get learning from various online platforms of NPTEL-SWAYAM. Under the same policy, three students from Civil Department had participated in NPTEL-SWAYAM July -2025 Semester online Courses and successfully cleared exam with ELITE Certification.

# STUDENTS' ACHIEVEMENT

## • Electrical Engineering Department

### GTU Program Topper



The Electrical Engineering Department and the college proudly congratulate Kerai Dipak Naran (Enrollment No. 226210309053) for achieving a perfect 10 SPI in the 6<sup>th</sup> semester of GTU. He ranked as the GTU Program Topper. This outstanding accomplishment reflects his hard work and dedication. We wish him continued success in his academic journey and future endeavors.

## • Mechanical Engineering Department

### Filing and publication of a patent



We are delighted to announce the successful filing and publication of a patent with the Office of the Controller General of Patents, Designs & Trade Marks, Government of India, marking an important milestone in innovation and research excellence. The patent titled “A Device for Cleaning and Monitoring Solar Panels” (Application No. 202521066371) was filed on 11<sup>th</sup> July 2025 and published on 01<sup>st</sup> August 2025, and is currently awaiting examination.

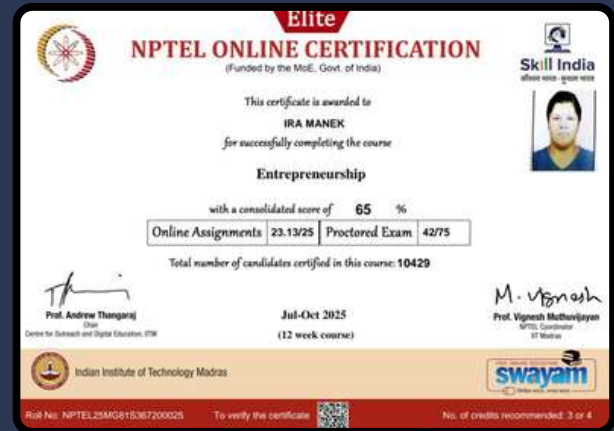
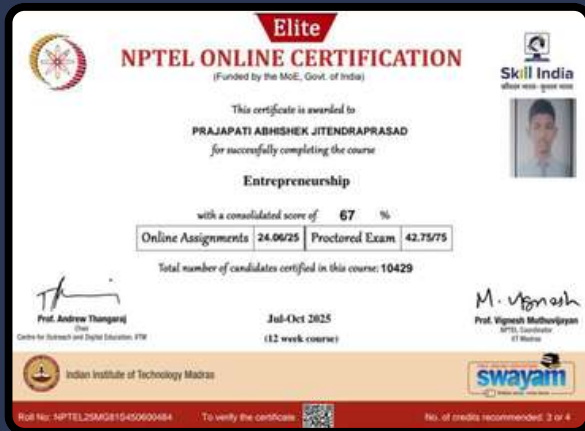
This innovative invention introduces an intelligent system that enhances photovoltaic efficiency through automated cleaning and advanced monitoring. It integrates multi-functional cleaning nozzles, sensor-based dust and bird detection, water heating, and IoT-enabled monitoring with Bluetooth connectivity for both local control and remote alerts. The system significantly minimizes manual intervention while improving solar panel performance through adaptive and smart cleaning mechanisms.

The patent has been jointly filed by Mr. Prem Sorathiya, Mr. Joshi Om, Mr. Dungariya Milan Haribhai, Mr. Zala Vishwa Chetanbhai, Mr. Divyanshu Bhagwandas Lokwani, Dr. Gaurang V. Lakhani, and Mr. Patel Sarthak Harshadkumar. This achievement highlights a strong culture of innovation and research-driven problem solving. Congratulations to the entire team, and best wishes for the successful grant of the patent.

# STUDENTS' ACHIEVEMENT

- Mechanical Engineering Department

## Student Participation in NPTEL –MOOC Course



In align with NEP-2020 mission, GTU has implemented MOOC policy which encourage students to get learning from various online platform NPTEL-SWAYAM. Under the same policy, three students from Mechanical Department had participated in NPTEL-SWAYAM July -2025 Semester online Courses and successfully cleared exam with ELITE Certification.

# WOMEN DEVELOPMENT CELL

- Breast Cancer Awareness Seminar



On 13th October, 2025, a Breast Cancer Awareness Seminar was successfully organized by the Women Development Cell of Government Polytechnic, Bhuj. The seminar was conducted with the objective of creating awareness among women about breast cancer, its early symptoms, prevention, and the importance of timely diagnosis.

The session was delivered by Ms. Prafulaben Thacker from Ashirwad Foundation, who explained the causes, risk factors, warning signs, and preventive measures related to breast cancer in a clear and informative manner. She emphasized the importance of regular self-examination, early screening, and maintaining a healthy lifestyle. The talk was interactive, and participants were encouraged to ask questions and clarify their doubts.

The seminar was attended by female staff members and students, with a total participation of 65 attendees. The audience found the session highly informative and beneficial, as it enhanced their understanding and awareness of a critical health issue. The program concluded with a vote of thanks to the speaker for her valuable guidance by Ms. K. V. Harpal (Chairperson of WDC).

# GYMKHANA CELL

- Tree Plantation Drive



Our institute successfully held a Tree Plantation Program on Friday, 5<sup>th</sup> July, 2025, organized by the Environment Protection Cell and the Gymkhana Cell. The goal was to make our campus greener and more sustainable.

The event, held from 10:30 AM to 11:00 AM, saw enthusiastic participation from both teaching and non-teaching staff, who planted saplings around their respective department areas. This initiative highlights our community's commitment to environmental conservation and social responsibility

- Guru Purnima Celebration

On 10<sup>th</sup> July, 2025, the college successfully celebrated Guru Purnima, a significant day dedicated to honouring one's teachers and Parents. This celebration, deeply rooted in Hindu culture, is a time to express profound gratitude towards the Parents and Gurus.

All students were invited to participate in this meaningful event, which focused on expressing deep gratitude toward both their parents and faculty members. The core activity involved students capturing a photo that visually reflected their respect, appreciation, or thanks for their parents. This simple yet powerful initiative provided a wonderful opportunity for students to publicly honour the people who tirelessly support and shape their academic and personal journeys.



# GYMKHANA CELL

- Har Ghar Tiranga, Har Ghar Swachchhta



From 2<sup>nd</sup> to 15<sup>th</sup> August, 2025, our institute vibrantly celebrated the 'Har Ghar Tiranga, Har Ghar Swachchhta' event, blending national pride with a commitment to cleanliness.

The celebrations began on 8<sup>th</sup> August with the Har Ghar Tiranga Quiz, seeing enthusiastic participation from over 100 students. Simultaneously, five students showcased their creativity through a Poster Making centred on the Tiranga theme. On 9<sup>th</sup> August, the NCC unit, led by ANO Mr. J. C. Makani, organized a Tiranga Rally from the college to Jubilee Ground, Bhuj, with 12 dedicated cadets participating.



Focusing on sustainability, on 12<sup>th</sup> August, more than 300 students across all departments took the Swachh Sujal Gaon Pledge. This was followed by a spirited Tiranga Selfie session on 14<sup>th</sup> August, where staff and students captured their moments of pride with the national flag.

The event culminated on 15<sup>th</sup> August with the Flag Hoisting ceremony, coordinated by Mr. Palak Thacker. In a heart-touching gesture, the national flag was hoisted by Mr. Nilesh Gadhavi (Peon). This honour was given to him in recognition of his years of dedicated service to the institute as he approaches his retirement this year. It was a proud moment for the entire college, symbolizing respect and unity



# GYMKHANA CELL

- Navratri Celebration (Garba Event – 2025)



On Tuesday, 23<sup>rd</sup> September, 2025, Government Polytechnic Bhuj organized a spirited Garba Event to celebrate Navratri. The program aimed to help students connect with Indian culture and spiritual traditions alongside their academic studies. The festivities began with a traditional Aarti performed by I/C Principal Mr. N. V. Thakar, department heads, faculty members and students creating an atmosphere of devotion and unity.

The event saw enthusiastic participation from over 250 students and 50 staff members. A competition was judged by Mr. D. B. Lokwani, Mr. J. K. Patel, Ms. R. A. Vyas, and Dr. R.K. Soni. In the Best Garba Performer category, Shaurya Thakkar won first place and Kaushik Dave second among boys, while Khushi Thakkar and Dhruvi Lakhani secured first and second place respectively among girls. For Best Traditional Dress, Kavya Joshi and Vishnu Ahir stood first and second among boys, while Yashi Dabhi and Nandini Suthar claimed the top spots for girls.

This successful celebration was managed by Gymkhana Convener Mr. K. H. Siju and Coordinator Mr. M. U. Vadher, with dedicated committee, including Ms. S. P. Jaradi, Mr. N. K. Prajapati, Mr. M. M. Rana, Mr. J. K. Patel, Mr. R. K. Patel, Mr. M. N. Dudhrejiya, Ms. A. D. Jansari, Mr. H. A. Virda, Shri N. V. Prajapati, and Mr. P. B. Thackar. Student organizers Divyarajsinh Chauhan, Jatin Goswami, and Ayush Ahir were also recognized for their support. The event concluded with refreshments, marking a memorable day of cultural pride

# GYMKHANA CELL

- Vikas Saptah – 2025



Institute observed 'Vikas Saptah' from 7<sup>th</sup> to 15<sup>th</sup> October, 2025. This special week commemorates the day Hon'ble Prime Minister Shri Narendra Modi first took pledge as the Chief Minister of Gujarat in 2001, marking the beginning of an uninterrupted "Citizen First" development journey for the state.



The institute organized several activities to engage students in this vision of growth. On 7<sup>th</sup> October, a collective Vikas Pledge was taken by more than 400 students and 50 faculty members. Additionally, 433 students actively participated in the Online Vikas Saptah Quiz organized by the Government of Gujarat. The celebrations continued with creative competitions, including an Essay Writing event on 9<sup>th</sup> October with 128 participants and a Poster Making session on 10<sup>th</sup> October, where 71 students showcased their talent on various themes. To emphasize the importance of a clean environment, a Cleanliness Drive was conducted on 14<sup>th</sup> October, with over 50 students working to beautify various departments.

These events successfully instilled a sense of pride and social responsibility in our students, connecting them with the state's legacy of proactive governance and sustainable progress

# GYMKHANA CELL

- Xitij – Yuva Mahotsav – 2025



Gujarat Technological University (GTU) organized the highly anticipated Youth Festival – 2025 from 6<sup>th</sup> to 9<sup>th</sup> October, 2025. This prestigious event provides a platform for students across the state to showcase their cultural and artistic talents beyond their technical curriculum.

Representing Government Polytechnic Bhuj, Ajay Marwada, a talented student from the 3<sup>rd</sup> semester of the Mechanical Engineering Department, participated in the festival on 7<sup>th</sup> October, 2025. He delivered an outstanding performance in the Classical Instrumental Music (Percussion) category.

- Nasha Mukh Bharat Abhiyan Pledge and Quiz



On 15<sup>th</sup> October, 2025, Institute actively participated in the Nasha Mukh Bharat Abhiyan, a nationwide initiative aimed at creating a healthier and drug-free society. The event focused on sensitizing students and encouraging them to lead a responsible lifestyle.

The program featured two primary activities: a formal pledge and an online awareness quiz. A total of 123 students participated in the Nasha Mukh Pledge, where they collectively vowed to stay away from drugs and support others in making healthy choices. This was followed by an Online Quiz, in which 75 students took part to test their knowledge regarding the social and health-related consequences of addiction.

# GYMKHANA CELL

- National Unity Pledge



On 30<sup>th</sup> October, 2025, at 11:00 AM, Institute celebrated the birth anniversary of Sardar Vallabhbhai Patel, popularly known as the "Iron Man of India." To honour his monumental contribution to the unification of our nation, the institute organized a "Rashtriya Ekta Shapath" ceremony.

A total of 28 faculty members participated in the event, solemnly swearing to uphold the unity, integrity, and security of the country

- Jan Jatiya Gaurav Varsh



To commemorate the 150<sup>th</sup> birth anniversary of Bhagwan Birsa Munda, Institute celebrated the "Jan Jatiya Gaurav Varsh" with a series of educational and creative events. These activities were designed to honour the legendary tribal freedom fighter and educate students about his vital role in India's history.

The celebrations began on 10<sup>th</sup> November, 2025, with a Painting Competition. 28 students participated, showcasing their artistic skills by creating portraits of Bhagwan Birsa Munda, capturing his spirit of leadership and bravery.

The tribute continued on 12<sup>th</sup> November, 2025, with two major events:

- Essay Writing: 35 students participated, penning insightful articles on the life, struggles, and contributions of Birsa Munda.
- Elocution Competition: 28 students took to the stage to deliver powerful speeches, highlighting the revolutionary leader's impact on tribal rights and national independence



# GYMKHANA CELL

- Vande Mataram@150



The national song, "Vande Mataram," served as the soul of India's independence movement, uniting the nation under a single voice of freedom. To commemorate the historic milestone of 150 years of Vande Mataram, Institute organized a series of tribute events throughout November 2025.

The main celebration took place on 7<sup>th</sup> November, 2025, at 09:30 AM. In a powerful display of patriotism, 45 faculty members gathered for a collective singing of the complete national song. Following the performance, all present took the Swadeshi Pledge, reaffirming their commitment to supporting indigenous products and national self-reliance.

To further engage the student community in this legacy, various activities were organized:

- 17<sup>th</sup> November, 2025: A specialized Seminar was conducted with 41 students participating to discuss the historical significance of the song.
- 19<sup>th</sup> November, 2025: An Elocution Competition saw 13 students express their thoughts on the impact of "Vande Mataram" on the freedom struggle.
- 24<sup>th</sup> November, 2025: A Group Discussion was held with 56 students focusing on the relevance of the song's message in modern India

# NCC



The NCC cadets actively participated in various training camps and national-level activities during the academic year 2025–26, gaining valuable exposure and achieving notable success.

## Participation in NCC Camps:

- CATC Rudramata, Bhuj: 23 cadets, 20/06/2025 to 29/06/2025
- Adventure Camp (Manali): 01 cadet, 13/07/2025 to 23/07/2025
- Pre Republic Day Camp (Jamnagar): 02 cadets, 24/07/2025 to 02/08/2025
- AINSC Lonavala: 02 cadets, 02/09/25 to 14/09/25
- IGC Camp (Ahmedabad): 02 cadets, 11/09/2025 to 20/09/2025
- EBSB Camp (Ahmedabad): 02 cadets, 18/10/2025 to 29/10/2025
- Sea Training Camp: 01 cadet, 09/12/2025 to 21/12/2025
- CATC Bhimsar: 10 cadets, 10/11/2025 to 19/11/2025

## Achievements and Awards at CATC Bhimsar:

- PO Cdt Anil Bhardwaj – Best Cadet Award (presented by the Group Commander).
- LC Rahul – 1st Prize in Boat Pulling Competition.
- PO Cdt Anil Bhardwaj – 1st Prize in Drill Competition.
- Cdt Shivrajsinh – Bravery Award (presented by the Camp Commandant).
- GP Bhuj team (Anil, Rahulsinh, Mayur, Sahil, Hiren, Imran, and Shivraj) – 1st Prize in Tug of War.

## Special Achievements:

- PO Cdt Ritesh Kumar was selected for the Republic Day Camp (RDC) after rigorous selection through Pre-RDC and IGC camps and will participate in the Republic Day Parade at New Delhi on 26/01/2026.
- During AINSC Lonawala PO Harshdeep and LC Manendra have won bronze Medal in Drill competition.

## Other Activities:

- Cadets performed Nukkad Natak during the Navy Day Rally on 4th December 2025.

These activities significantly contributed to the development of leadership, discipline, unity, and comradeship among the NCC cadets of Government Polytechnic Bhuj

# ISTE STUDENT CHAPTER (GJ-089 )

- FIRE SAFETY



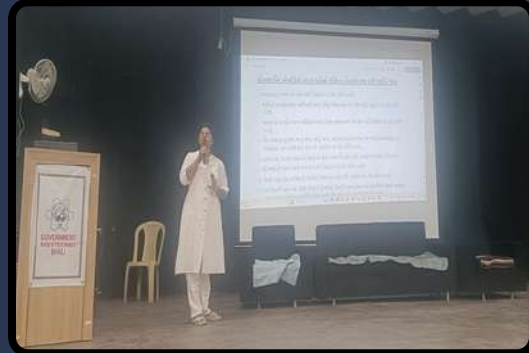
As an activity initiated and coordinated by ISTE STUDENT CHAPTER Members, with focus on importance for requirement of fire safety in life of future engineers a Fire Safety Awareness Program was organized on 19th September 2025 for all branches of the diploma engineering departments at Government Polytechnic - Bhuj.

The session started with a short introduction & felicitation of the invited fire safety experts Mr. Matiya Kalpesh ( fire safety department – bhuj ), Fireman Mr. Soham Goswami & Mr. Rushi Gor with other two training staff from their office. The session followed by informative guidance on how fire is formed, different types of fire, and methods to deal with fire in dangerous situations. A little break with refreshment was arranged for students of Semester 3 and 5 during the event. After a short break, a live demonstration on the correct use of a fire extinguisher was conducted by the Experts, where students observed the steps to handle fire emergencies safely. Also few students were invited to operate fire extinguisher in a live controlled fire environment. The program focused on spreading awareness, building safety culture, and preparing students with both knowledge and practice.

At the end of the program, on behalf of institute, Principal Sir Dr. G.V. Lakhani expressed vote of thanks to all involved in the planning & execution of fire safety awareness program.

# ISTE STUDENT CHAPTER (GJ-089)

- Scholarship Awareness Program-2025-26



The Scholarship Awareness Program held at Government Polytechnic Bhuj on 28th July, 2025, aimed to inform first-year regular and 3rd-semester C to D Diploma Engineering students about various scholarship schemes provided by the Gujarat government for SEBC, SC, ST, EWS students and other beneficiaries. Chaired by Mr. D B Lokwani, the Institute Scholarship In charge, the program commenced at 11:00 AM. Mr. Lokwani underscored the significance of scholarships in facilitating education, emphasizing the institute's commitment to supporting students. He also highlighted the various scholarship schemes available for different categories of students.

Ms. Aarti Jansari, Lecturer in the Computer Engineering Department, and Miss Shruti Jaradi, Lecturer in the Electrical Engineering Department, both together delivered a comprehensive presentation. They detailed the eligibility criteria, application process, and benefits of Gujarat government scholarships, catering to the diverse student body. They also explained the registration process on the Digital Gujarat portal and the process of online application of scholarship. Dr. Mihir Dudhrejiya, Lecturer in the Computer Engineering Department detailed the MYSY scholarship scheme to the students. Mr. D M Chauhan, Lecturer in the Mechanical Engineering Department lastly carried out a subsequent Q&A session allowing students to seek clarification on various aspects, fostering active engagement. About 400+ students were present in the seminar.

The presence of scholarship committee members, Mr. N V Prajapati, and Mrs. S K Gohil, added value to the program. Their attendance provided students with an opportunity to interact directly, building trust and accessibility. Scholarship Committee stands ready to provide ongoing assistance and guidance throughout the application process.

# STUDENT STARTUP & INNOVATION POLICY (SSIP)

- IPR FILED BY STUDENT'S TEAM

Application Details	
APPLICATION NUMBER	202521066371
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/07/2025
APPLICANT NAME	<b>1 . PREM SORATHIYA</b> <b>2 . JOSHI OM</b> <b>3 . DUNGARIYA MILAN HARIBHAI</b> <b>4 . ZALA VISHWA CHETANBHAI</b> <b>5 . DIVYANSHU BHAGWANDAS LOKWANI</b> <b>6 . DR. GAURANG V LAKHANI</b> <b>7 . PATEL SARTHAK HARSHADKUMAR</b>
TITLE OF INVENTION	A DEVICE FOR CLEANING AND MONITORING SOLAR PANELS

We are proud to announce that a patent has been successfully filed and published by the Office of the Controller General of Patents, Designs & Trade Marks, Government of India, marking a significant milestone in innovation and research excellence.

The patent titled “A Device for Cleaning and Monitoring Solar Panels” (Application No. 202521066371) was filed on 11th July 2025 and published on 01st August 2025. The application is currently awaiting examination.

This innovative invention presents an intelligent solar panel cleaning and monitoring system designed to enhance photovoltaic efficiency. The system integrates automated cleaning with multi-functional nozzles, sensor-based dust and bird detection, water heating, and IoT-enabled monitoring with bluetooth connectivity for local control and remote alerts. The solution significantly reduces manual intervention and improves solar panel performance through adaptive, smart cleaning.

The patent has been jointly filed by:

Mr. Prem Sorathiya, Mr. Joshi Om, Mr. Dungariya Milan Haribhai, Mr. Zala Vishwa Chetanbhai, Mr. Divyanshu Bhagwandas Lokwani, Dr. Gaurang V. Lakhani, and Mr. Patel Sarthak Harshadkumar.

This achievement reflects the institution's strong culture of innovation, research, and industry-relevant problem solving. Heartiest congratulations to the entire team for this commendable accomplishment and best wishes for the successful grant of the patent

# ENVIRONMENT PROTECTION CELL ACTIVITY

- SMALL POSTER MAKING



A small poster making activity was organized on 16th August 2025 with the objective of enhancing students' creativity and spreading awareness on socially relevant themes. The activity provided a platform for students to express their ideas through drawings, colors, and short messages.

Students actively participated and prepared attractive posters within the given time using simple materials. Various themes such as environmental protection, cleanliness, health awareness, and social responsibility were effectively conveyed through their posters.

- Essay Writing Competition for Swachh Bharat Mission

An Essay Writing Competition on the theme "Swachh Bharat Mission" was organized on 20th September 2025 at our institute to create awareness about cleanliness and hygiene. 30 students actively participated and shared their views on the importance of sanitation, waste management, and maintaining a clean environment. The essays were judged based on content, originality, and presentation. Winners were awarded certificates. The competition successfully encouraged students to adopt cleanliness as a habit and support the Swachh Bharat Mission.



- A Tree plantation and tree Guard Activity



A Tree plantation and tree Guard Activity was organized on 30<sup>th</sup> November 2025 at our institute to protect newly planted saplings and promote environmental conservation. Faculties actively participated in installing tree guards to ensure the safety and healthy growth of young plants. The activity highlighted the importance of protecting trees from damage and nurturing them for a greener future. The programme successfully created awareness about environmental responsibility among participants.

# MEDIA COVERAGE

## આવી સિદ્ધિ મેળવનાર પોલિટેકનિક કચ્છની એકમાત્ર સંસ્થા ભુજની સરકારી પોલિટેકનિકની ૩ બ્રાન્ચને ૩ વર્ષની NBAની માન્યતા મિકેનિકલ, કોમ્પ્યુટર તેમજ ઈલેક્ટ્રિકલ બ્રાન્ચના છાત્રોને થશે ફાયદો

**ભુજ (સંદેશ પ્રતિનિધિ)**  
કચ્છની એકમાત્ર સરકારી ડિપ્લોમા ઈજનેરી કોલેજ પોલિટેકનિકમાં સિવિલ, માર્શિનિંગ, કોમ્પ્યુટર, મિકેનિકલ અને ઈલેક્ટ્રિકલ વિદ્યાશાખા કાર્યરત છે. જેમાંથી મિકેનિકલ, ઈલેક્ટ્રિકલ તથા કોમ્પ્યુટર બ્રાન્ચને વધુ ૩ વર્ષની એનબીએ માન્યતા પ્રાપ્ત થઈ છે. કોલેજના ધિન્સા પાલક ડૉ. ગોવિંદ ગાલાના હાથે આ અભ્યાસક્રમોને વર્ષ ૨૦૨૨માં ૩ વર્ષ માટે એનબીએની માન્યતા મળી હતી. જેને આગળ વધારવા માટે તા.૧૯ જુલાઈ, ૨૦૨૧ના દિવસે એનબીએના તજજ્ઞ ડૉ. પર્મિન્દ્રકુમાર અને ડૉ.વી.એમ.કલ્પેની ટીમ કોલેજમાં આવી હતી. જેમાં તેમણે ગુણવત્તાની વિવિધ બાબતો ચકાસીને ત્રણેય બ્રાન્ચના અભ્યાસક્રમને વધુ ત્રણ વર્ષ માટે એનબી.એ.ની માન્યતા આપી હતી. હવે આ ત્રણેય અભ્યાસક્રમોની માન્યતા વર્ષ ૨૦૨૮ સુધી વધી ગયા છે. અગાઉ બે માસ પહેલાં સિવિલ તથા માર્શિનિંગ બ્રાન્ચના અભ્યાસક્રમોને ત્રણ વર્ષની એનબીએની માન્યતા મળી હતી. આમ તમામ વિદ્યાશાખાઓને એનબીએની માન્યતા

મળી જતાં આ પ્રકારની સિદ્ધિ મેળવનાર પોલિટેકનિક કચ્છની એકમાત્ર સંસ્થા બની છે. જેના પગલે ગાંધીગર સ્થિત કાયરેક્ટોરેટ ઓફ ટેકનિકલ એજ્યુકેશને પણ કોલેજને અભિનંદન પાઠવ્યા હતા. વોશિંગ્ટન એકોર્ડ એ પ્રોફેશનલ ડિપ્લોમા ઈન્ફોર્મેશન ટેકનોલોજી અભ્યાસક્રમ પર ભાર આપે છે. તેના અનુસાર કરાતા ઈન્સ્પેક્શનમાં કોલેજમાં વિદ્યાર્થીઓને અપાતી વિવિધ સવલતો, લેબોરેટરીઓ, ઈન્ફ્રાસ્ટ્રક્ચર, શૈક્ષણિક સ્ટાફની બાયક્રાંત, અનુભવ, શૈક્ષણિક ગુણવત્તા, વિદ્યાર્થીઓની સંખ્યા, તેમના પરિણામોની ગુણવત્તા, લાઈબ્રેરી, પ્લેસમેન્ટ, બજેટ, સ્પોર્ટ્સ, કો-કરીક્યુલર તથા એક્સ્ટ્રા કરીક્યુલરના ત્રણ વર્ષના રેકોર્ડ તપાસીને માન્યતા આપવામાં આવે છે. જે વિભાગને એકેડિમિક મળ્યું હોય તેના વિદ્યાર્થીઓને ઉચ્ચ અભ્યાસ કે નોકરી માટે વિદેશ જવું હોય તો સીધો જ લાભ મળે છે.



## ૧૧ થી ૫ વાગ્યા સુધી હેલ્પલાઈન સેન્ટર ચાલુ ડિપ્લોમા ઈજનેરીમાં પ્રવેશ માટે તા.૨૨થી ૨૬ ઓનલાઈન ફોર્મ ભરવાની વધુ એક તક

ભુજ, સોમવાર  
ધો. ૧૦ અને પૂરક પરીક્ષા પાસ કર્યા પછી રાજ્યની ડિપ્લોમા ઈજનેરી અભ્યાસક્રમ ચલાવતી સરકારી, ગ્રાન્ટ ઈન એઈડ તથા ખાનગી કોલેજો ખાતે પ્રવેશ માટે ઓનલાઈન ફોર્મ ભરવાની વધુ એક તક તા. ૨૨થી ૨૬ જુલાઈ સુધી મળશે.  
**ભુજની સરકારી પોલિટેકનિક ખાતે માર્શિનિંગની એક અને મિકેનિકલની ૧૬ બેઠકો ખાલી**  
કેન્દ્રીય એડમિશન કમિટી કોર પ્રોફેશનલ ડિપ્લોમા કોર્સિસ અમદાવાદ દ્વારા રાઉન્ડ - ૦૨માં gujdiploma.admissions.nic.in પોર્ટલ ઉપર રજિસ્ટ્રેશન કરાવી શકાશે.  
સરકારી પોલિટેકનિક ભુજ ખાતે પ્રથમ વર્ષની પ્રવેશ પ્રક્રિયા ૨૦૨૧માં જુદી જુદી વિદ્યાશાખાની ૫૫૦ બેઠકોમાંથી ૫૩૩ બેઠકો જેમાં સિવિલ, કોમ્પ્યુટર અને ઈલેક્ટ્રિકલ ઈજનેરીની ભરણી ગઈ છે. પરંતુ માર્શિનિંગ વિદ્યાશાખામાં ૦૧ અને મિકેનિકલ વિદ્યાશાખામાં ૧૬ બેઠકો ખાલી હોવાથી રાઉન્ડ - ૦૨માં પ્રવેશમાં ભાગ લેનાર નવા વિદ્યાર્થીઓ તેમના મેરીટ અને ચોઈસ ફિલ્ડિંગના આધારે નિયમ અનુસાર તથા રાઉન્ડ ૦૧ માં પ્રવેશ લઈ ચુકેલા વિદ્યાર્થીઓ રિશર્વેલિંગ પ્રક્રિયા તા. ૨૯ અને ૩૦ જુલાઈના કરી પ્રવેશ મેળવી શકે છે. સરકારી પોલિટેકનિક ભુજ ખાતે ચાલુ

## ભુજ પોલિટેકનિકમાં કર્મચારી નિવૃત્ત થતાં વિદાયમાન અપાયું સાડા ત્રણ દાયકાની સેવાઓને બિરદાવાઈ



**ભાસ્કર વ્યૂઝ | ભુજ**  
કર્મચારીગણના એ.બી.રાયમા, એન. એલ.ગોસ્વામી, વિભાકર એન.અંતાણી, આર. એચ.જાડેજા, આર.જે.હાથી, ડી.કે. મણવર સહિતનાએ શુભેચ્છાઓ આપી હતી. અરવિંદ ગોર, દિપક મોઠ, ધનજી વાઘેલા, પી.આઈ. રાજગોર,મોહન પરમાર, અજય હાથી, કે.એમ. વાલા, એમ.આર.રાઠોડ અને ગીતા બેન જોબનપુત્રા વગેરે બહુમાન કર્યું હતું આભાર દર્શન એસ.જે. જાડેજાએ કર્યું હતું.  
ભુજ પોલિટેકનિક કોલેજમાં ફરજ બજાવતા કર્મચારી વય નિવૃત્ત થતાં સહ કર્મચારીઓ દ્વારા તેમને વિદાયમાન અપાયું હતું.  
નિલેશ જે. આંબા સાડા ત્રણ દાયકાની સેવા બાદ વયનિવૃત્ત થતા વિદાયમાન આપવાનો કાર્યક્રમ આચાર્ય ગોરંગ લાખાણીના અધ્યક્ષ પદે યોજાયો હતો. પુનિત વ્યાસે પ્રસંગ પરિચય આપ્યો હતો. નિવૃત્ત

**નિફ્ટી ૨૫૦૦  
સેન્સેક્સ ૪૪૫**

(ગુજરાત સમાચાર પ્રતિનિધિ) મુંબઈ બેંકિંગ સેક્ટરે એચડીએક્સી બેંકના પ્રથમ

# MEDIA COVERAGE



ભુજ 05-08-2025

## ઉર્જા-કાર્યક્ષમ સફાઈ પદ્ધતિ દ્વારા સૌર પેનલની કાર્યક્ષમતા વધારવાનો હેતુ પોલિટેકનિકના ઇન્જિનેરી સ્માર્ટ સોલાર ક્લિનર વિકસાવ્યું, પેટન્ટ ઓફિસ દ્વારા માન્યતા અપાઈ કચ્છ સોલારનું હબ બને છે ત્યારે મિકેનિકલ એન્જિનિયરિંગ વિભાગની સિદ્ધિ

જીવનભૂજા સ્પર્ધા

કચ્છ હાલ સોલાર એનર્જીનું હબ બની રહ્યું છે અને વિશ્વના સૌથી મોટા સોલાર પાર્ક કચ્છમાં બની રહ્યો છે સાથે પવનમાં પણ સોલાર હવાવવાનું ગવણ વખતું છે ત્યારે સરકારી પોલીટેકનિકના વિદ્યાર્થીઓએ સોલાર સાફ કરવાનું ડિવાઈસ બનાવે તેની પેટન્ટ મેળવી છે.

મિકેનિકલ એન્જિનિયરિંગ વિભાગના લેક્ચરર દિવ્યાંસુ લોકવાણીના માર્ગદર્શન હેઠળ શિક્ષણ વર્ષ 2023-24 માં અંતિમ વર્ષના વિદ્યાર્થીઓ વિષય ગણના અને તેમની ટીમ દ્વારા વિકસાવવામાં આવેલી સ્માર્ટ સોલાર ક્લીનર નામની સોપને ભારતીય પેટન્ટ ઓફિસ દ્વારા સત્તાવાર રીતે સ્વીકારવામાં અને પ્રકાશિત કરવામાં આવી છે. સ્માર્ટ સોલાર



જેમાં તેની મોલિક્યુલા અને તકનીકી યોગ્યતાને માન્યતા અપાઈ હતી. પોલિટેકનિકના પ્રિન્સિપાલ ડ્રે. ગોરંગ લાખાણી, વિનિયંત્રક વિભાગના વડા ડ્રે. સાગર વોરા, તમામ માતાના વડા તથા અન્ય તમામ સ્ટાફ મિત્રોએ અભિનંદન આપ્યા હતા. ગ્રોવિથેક્ટર ધીરેશ્વર શિશ્મણને વ્યવહારુ અધિકારન સાથે પેટન્ટની કોપીઓ એક મહત્વપૂર્ણ પગલું છે અને સામાજિક અને આર્થિક સુસંગતતા સાથે અસરકારક પ્રોજેક્ટ કાર્યમાં યોગ્ય માટે વ્યવસ્થાઓને પ્રેરિત કરશે તેવી આશા છે.



ભુજ 24-12-2025

## પોલિટેકનિકના વ્યાખ્યાતાએ રાષ્ટ્રીય કક્ષાની સ્પર્ધામાં કાંસ્ય પદક મેળવ્યો અખિલ ભારતીય મુલ્કી સેવા લોન ટેનિસ સ્પર્ધામાં જીત મેળવી



ગુજરાત રાજ્ય દ્વારા પ્રથમ વખત સ્પર્ધાની યજમાની કરાઈ

ગુજરાત રાજ્ય દ્વારા પ્રથમ વખત આ સ્પર્ધાની યજમાની કરવામાં આવી અને અખિલ ભારતીય લોન ટેનિસ સ્પર્ધામાં આ રાજ્યની પ્રથમ ટ્રોફી છે. આ સ્પર્ધામાં જુદા જુદા રાજ્યો અને કેન્દ્રશાસિત પ્રદેશોની 28 ટીમોમાં 300થી વધારે ખેલાડીઓ ભાગ લીધેલ. સ્પર્ધાનું આયોજન દેશભરથી આવેલ ખેલાડીઓ અને અધિકારીઓ દ્વારા ખૂબ પ્રસંસા પામ્યું હતું.

ટેનિસ એકેડમીમાં માર્ગદર્શન હેઠળ જીજ્ઞાનીએ બપા રાઉન્ડમાં પ્રશિક્ષણ લેતાં જીજ્ઞાની નરેન્દ્ર કક્કર નૂજરાત સંચિવાલયની ટીમમાં પસંદગી પામી ભાગ લીધો હતો.

રાષ્ટ્રીય કક્ષાની આ ઉવેન્ટમાં નૂજરાત સંચિવાલયની વૃન્દ્સ ટીમે કાંસ્ય પદક મેળવ્યો હતો. પદક ટીમની સરકાર દ્વારા કરવામાં આવ્યું હતું. આ સ્પર્ધામાં શહેરની સરકારી પોલિટેકનિક, ભુજ ખાતે વ્યાખ્યાતા કરી કરજ બજાવતા અને માસ્ટર્સ

જીજ્ઞાનીએ બપા રાઉન્ડમાં પ્રશિક્ષણ લેતાં જીજ્ઞાની નરેન્દ્ર કક્કર નૂજરાત સંચિવાલયની ટીમમાં પસંદગી પામી ભાગ લીધો હતો. રાષ્ટ્રીય કક્ષાની આ ઉવેન્ટમાં નૂજરાત સંચિવાલયની વૃન્દ્સ ટીમે કાંસ્ય પદક મેળવ્યો હતો. પદક ટીમની સરકાર દ્વારા કરવામાં આવ્યું હતું. આ સ્પર્ધામાં શહેરની સરકારી પોલિટેકનિક, ભુજ ખાતે વ્યાખ્યાતા કરી કરજ બજાવતા અને માસ્ટર્સ



ભુજ 16-11-2025

## પોલિટેકનિક કોલેજના 4 પ્રોફેસરોએ શિક્ષણમાં એઆઈના ઉપયોગ વિષય પર બનાવ્યું પુસ્તક

રાજ્યમંત્રી દ્વારા વિમોચન કરવામાં આવ્યું

ગુજરાત સરકાર



સંભાવનાઓ વિશાળ છે. શિક્ષણની ગુણવત્તા સુધારવા, શીખવાની પદ્ધતિને વધુ અસરકારક બનાવવા અને વહીવટી પ્રક્રિયાને સરળ બનાવવા એઆઈ મોડ્યુલ યોગદાન આપી શકે છે. આવા પરિબલોને ધ્યાનમાં રાખીને સરકારી પોલીટેકનિક, ભુજના લેક્ચરર અને લેખક મનમીત વાઢેર, વસીમ મિસ્ત્રી, મિતેશ રાવલ અને યોગેન્દ્ર ગુંસાઈ દ્વારા "Artificial Intelligence in Education" નામનું પુસ્તક તૈયાર કરી પ્રકાશિત કરાયું છે. આ પુસ્તક શિક્ષણક્ષેત્રમાં AIના ઉપયોગને સમજવા માટે એક પ્રારંભિક પરંતુ વ્યાપક માર્ગદર્શિકા છે. ઉચ્ચ અને ટેકનીકલ શિક્ષણમંત્રી ત્રિકમભાઈ છંગા અને સચ્ચીદાનંદ સંપ્રદાયના મહંત ત્રિકમદાસજી મહારાજના હસ્તે પુસ્તકનું વિમોચન અંજાર ખાતે કરાયું હતું. પુસ્તકમાં કુલ

5 યુનિટનો સમાવેશ કરાયો છે, જેમાં AI શું છે, તેની ઇતિહાસ, પ્રકારો અને શિક્ષણ ક્ષેત્ર સાથેનો સંબંધ, લર્નિંગ સીસ્ટમ અને ઉપયોગિતા, મુળમુલ સિદ્ધાંતો, શૈક્ષણિક ડેટાનો ઉપયોગ, વહીવટી કામગીરીનું ઓટોમેશન અને સંસ્થા સંચાલનમાં ટેકનોલોજીનું મહત્વ, ભવિષ્યમાં એઆઈની શક્યતા, આવનારા ફેરફારો અને તેના પડકારો વિષે માહિતી આપવામાં આવી છે. સરકારી પોલીટેકનિકના વિદ્યાર્થીઓ અને સ્ટાફ માટે આ પુસ્તક કોલેજ લાઈબ્રેરીમાં વિનામૂલ્યે ઉપલબ્ધ કરાવાયું છે. કોલેજના આચાર્ય ડ્રે. જી.વી.લાખાણી, ઈલેક્ટ્રીકલ વિભાગના વડા દિપીકાબેન રાવલ અને કોલેજ સ્ટાફ દ્વારા શુભેચ્છાઓ અપાઈ હતી.

# NEWSLETTER COMMITTEE

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