

Issue-7, July- December 2023





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# **Government Polytechnic, Bhuj**

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### **Institute Profile**



Government Polytechnic, Bhuj is a Diploma Engineering Institute situated in Bhuj City of KutchDistrict. 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.

# **Missions**

- 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.



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# **Principal's Message**

OIt is a proud moment for me to launch another issue of our newsletter, "ZEST." I commend Team ZEST for their dedicated efforts in covering all the academic and co-curricular activities of the Institute.

On Engineer's Day, ISTE Student Chapter was inaugurated and bright students of the institute were felicitated with merit certificates. We further encouraged our branchwise toppers by publishing their photos and academic achievements on the institute website and social media platforms.



Committed to our students' professional growth, the Institute has actively facilitated several industrial visits and organized the "21st Century Employability Skills Training" program by the Wadhvani Foundation under the Government of Karnataka Skilling Scheme (GKS) initiative. We also actively encouraged students to take advantage of the free courses offered by NASSCOM, another valuable opportunity under GKS.

I am pleased to announce that 288 new students have joined the ISTE Student Chapter for the academic year 2023-24. Additionally, our students actively participated in events like SemiCon2023 and the Start-up Conclave at Gandhinagar, showcasing their talent and initiative.

I extend my best wishes forgrowth and success of this institute newsletter ZEST.

-Dr.G.V.Lakhani



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# **DEPARTMENTAL ACTIVITIES Civil Engineering Department**

### **Event 1: Orientation Program for newly admitted Students**

Orientation program for newly admitted Students was organized during  $18^{th}$  July 2023 to  $02^{nd}$  August 2023 as per the instructions from Gujarat Technological University. Students were familiarized with the departmental mentors.





Under the induction program, visits to various departments and the library were conducted. Students were informed about various government scholarship schemes. Additionally, various co-curricular activities, including yoga, were performed during the induction program.

### **Event 2:Student Participation in Meri Mitti Mera Desh Program.**

All students from the Civil Department, alongside faculty members, actively participated in the 'Meri Mitti Mera Desh' program. They collectively took a pledge, holding soil in their hands



### **Event 3:Site Visit of Construction project of Residential Building.**



The Civil Engineering Department organized a technical site visit to a residential building for 3rd-semester students enrolled in the subject of Construction Materials and Technology on 7thOctober ,2023. A group of 35 students from the Civil Department, accompanied by three faculty members, namely Mr. Y.D. Jethva, Mr.N.V. Prajapati, and Mr.V.S. Khemchandani, visited the site. Mr. Dipesh Pindoria, the site in-charge, explained various technical aspects. Er. Rajesh Bhatt provided necessary support for the arrangement of the technical site visit



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### **Event 4: Site Visit of Commercial Complex Construction project.**

The Civil Engineering Department organized a technical site visit to a commercial complex under construction at Mirzapar Highway, near Shakti Dham, for 3rd-semester students studying Construction Materials and Technology on 7thOctober,2023. The project is undertaken by Ashapura Infrastructure Ltd. A group of 35 students from the Civil Department, accompanied by three faculty members (Mr.Y.D. Jethva, Mr.N.V. Prajapati, and Mr. V.S. Khemchandani), visited the site.Mr. V.K. Parmar, the site in-charge, explained various technical aspects



### **Event 5:Site Visit of Under Construction BAPS Mandir**



The Civil Engineering Department organized a technical site visit to the construction site of the new BAPS Mandir, near the Regenta hotel, for 5th-semester students enrolled in the subjects of Concrete Technology and Advanced Construction Technology on 7thOctober, 2023. A group of 12 students, accompanied by four faculty members (K.V. Harpal, Mr.B.P. Patel, B.B. Sitapara, and H.A. Virda), participated in the site visit. The site in-charge, Vinay Darshan Swami of BAPS Mandir, discussed detailed

aspects of Ready Mixed Concrete (RMC) and quality monitoring on construction sites

### **Event 6: Profile Survey Project**

Students from 3<sup>rd</sup> Semester of Civil Department performed profile leveling Project under guidance of Mr. R.L.Lalwani and Mr. V.S.Khemchandani

# **Computer EngineeringDepartment**

### Event 1: Online Webinar Report on Hackathon Insights by Diploma Graduate Student

The Online Webinar on "Hackathon Insights" was organized on  $22^{nd}$  September,2023 for recent diploma graduates in computer engineering to provide them with valuable information and insights into the world of hackathons. The event aimed to help participants understand the importance of hackathons, their role in fostering innovation, and how they can participate effectively in such events to enhance their skills and career prospects.



The primary objectives of the webinar were as follows:

- To introduce hackathons and their significance in the tech and innovation industry.
- To share success stories and experiences of diploma graduates who have excelled in hackathons.
- To provide guidance on how to prepare for and participate in hackathons.
- To answer questions and clarify doubts related to hackathons.

The webinar was attended by more than 40 students from the computer engineering department, all eager to gain insights into the world of hackathons.





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# **Electrical Engineering Department**

### **Event 1: Industrial visit**

A visit to the Regional Science Centre in Bhuj was organized for 1st-semester students on 27th July 2023. The faculty coordinators for the visit were Mr. M. U. Vadher, Mr. V. A. Mistry, and Mr. Y. P. Gusai



### Event 2: Meri Maati Mera Desh program



As part of the Aazadi ka Amrit Mahotsav's Meri Maati Mera Desh program, 74 students of the Electrical Engineering Department of Government Polytechnic, Bhuj, enthusiastically took part in the "Panchpraan Pratigya" and Selfie program. It was organized on 8<sup>th</sup> August, 2023. Mr. M. U. Vadher and Ms. S. P. Jaradi conducted the program.

**Event 3: Induction Program** 

Electrical Department conducted Induction Program for first year students during 18<sup>th</sup> July, 2023 to 02<sup>nd</sup> August, 2023.



## **Mechanical Engineering Department**

### **Event 1: Industrial Visit**

On Saturday, 21<sup>st</sup> October, 2023, twenty enthusiastic students from the Mechanical Department explored the cutting-edge facilities of Karmyog Hi-Tech Machinery, a prominent brand in manufacturing Fly Ash Brick Making Machines, Paver Block Manufacturing Machines, and Concrete Block Making Automatic Plants in GIDC Bhuj. Divided into 17 from Semester 3 and 3 from Semester 5, the attendees delved into the intricate world of advanced machinery, guided by industry experts. This immersive industrial visit provided students with firsthand knowledge of the latest technologies and processes in manufacturing.



The experience not only enhanced their theoretical understanding but also ignited inspiration for future innovations in the dynamic field of mechanical engineering.

### **Event 2: Industrial Visit:**



On Friday, 29<sup>th</sup> September, 2023, five students from the Mechanical Department, all from Semester 3, embarked on an enlightening industrial visit to Ganesh Repowering Works in Sukhpar. Specializing in retrofitting and modernizing existing power machinery and installations, the visit aimed to expose students to the intricate process of replacing outdated components with more powerful, contemporary



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alternatives. This hands-on experience allowed participants to witness firsthand the cuttingedge technologies employed in the transformation of aging power systems. The visit not only broadened their understanding of industrial practices but also fueled enthusiasm for future contributions to the field of mechanical engineering.

### **Event 3: Expert Lecture**

In a knowledge-packed event held on Friday, 27<sup>th</sup> October, 2023, at the Auditorium Hall, entrepreneurs and aspiring business leaders gathered for an expert session on the "Role of D.I.C in Entrepreneurship & Start-ups." The session featured distinguished speakers: Mr. Yogesh Vasvani, Project Officer from District Industries Centre (Bhuj), and Mr. Smit Ajani, Lead District Manager-Kachchh (Bank of Baroda). With a total of 81 attendees, the diverse crowd included 9 from Civil, 42 from Computer, 13 from Electrical, 9 from Mechanical, and 8 from Mining disciplines. The event provided invaluable insights into leveraging District Industries Centre support for entrepreneurial success.



# **Mining Engineering Department**

# **Event 1: - Expert Lecture on "Advancements & Applications of Surface Miners in Limestone Industry"**

The expert lecture on "Advancements & Applications of Surface Miners in Limestone Industry" held at Government Polytechnic, Bhuj, offered significant insights into the evolution and impact of surface miners in the mining industry. The event took place on 16th October, 2023 at the Mining Seminar Hall. Mr. Maulik Bhatt, the Deputy Manager at Dhar Cement Works, Ultra Teach Cement Ltd., Madhya Pradesh, served as the expert for the lecture. The event, organized by Mr. R. J. Mistry, (LMNE), was attended by 16 students from the Mining Department and 8 faculty members.



During the lecture, Mr. Bhatt, a renowned figure in the cement field, covered a broad spectrum of topics related to surface miners. The presentation delved into the advancements and applications of these machines in the limestone industry, providing valuable knowledge to the attendees. The expert lecture not only enhanced the understanding of surface mining but also facilitated an interactive learning environment for both students and faculty members, fostering a deeper appreciation for technological advancements in the mining sector.



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### **Event 2: - Expert Lecture on "Value Addition Process and Zero Waste Bauxite Mining"**



The Mining Engineering Department at Government Polytechnic, Bhuj, organized an expert lecture on the topic "Value Addition Process and Zero Waste Bauxite Mining" on 21<sup>st</sup> October, 2023. The lecture aimed to provide students and faculty with insights into sustainable bauxite mining practices and the value addition processes in the mining industry. The expert for the session was Mr. S. J. Matariya, a senior professional from the CB Project at

Gadhsisha, GMDC Ltd.

Mr. S. J. Matariya provided an in-depth overview of bauxite mining, including the various stages involved in the process, starting from exploration to the extraction of bauxite ore. Mr. Matariya explained how value addition is a crucial aspect of the mining industry. He elaborated on how GMDC Ltd. adds value to the bauxite ore through beneficiation and refining processes, which create downstream products with higher value. The expert highlighted the concept of "zero waste mining," emphasizing the reduction of waste generation and maximizing resource utilization in the mining process. He shared real-life examples of how GMDC Ltd. has made significant strides in achieving zero waste mining.

Topics covered: Occurrence of bauxite, Facts about bauxite valuable mineral, Geological time scale, Chemical & Physical properties of bauxite, Method of bauxite mining process, Mineral dressing operation – Crushing, Grinding, Screening & Jigging, Value addition – Dry beneficiation, Zeolite making process, Aluminum Tri Hydrate making process, zero waste bauxite mining, Bayer process of bauxite (refining bauxite to produce alumina).

The Mining Engineering Department expresses its sincere gratitude to Mr. Matariya for his time, knowledge, and engaging presentation. Such expert lectures play a vital role in enhancing the understanding and knowledge of students in the field of mining engineering and contribute to a more sustainable and responsible mining industry.

Additionally, an expert lecture was conducted by Mr. S.S. Shah (L MN E), with a total of 18 students from the final year and pre-final year participating in this lecture.

### **Event 3: - Workshop on Fire Safety**

Government Polytechnic Bhuj took a significant stride in promoting safety education by organizing a comprehensive fire safety workshop on 27<sup>th</sup> September, 2023. Spearheaded by the Mining Engineering Department, the initiative aimed to cultivate a sense of preparedness among students by educating them on fire safety, emergency response, and the crucial role of fire prevention. Civil Defense Warden Mr. Kamlesh Matiya from Bhuj led the workshop, sharing valuable expertise and hands-on experiences.



Attended by 55 students across various semesters, the workshop focused on fundamental fire safety concepts, notably the "fire triangle," highlighting the essential elements for ignition and



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sustenance: heat, oxygen, and fuel. Aligned with the 5th-semester course, "Mining Hazards and Safety," the workshop provided practical knowledge and life-saving skills. Demonstrations on the use of diverse fire extinguishers, such as water, foam, CO<sub>2</sub>, and dry chemical extinguishers, offered vital insights into effective fire prevention and control.

Hands-on training, a pivotal component, empowered students to use fire extinguishers under expert guidance, enhancing their confidence and imparting essential firefighting skills. The workshop also featured a demonstration of an Emergency Rescue Vehicle, showcasing advanced equipment available to first responders. Facilitated by Mr. S. G. Srivastav (I/C Head Department of Mining Engineering) and Mr. S. N. Heruvala (LMNE), this workshop significantly contributed to enhancing students' safety knowledge and practical skills in firefighting and emergency management.

## **Humanities and Science Department**

### **Event 1: Faculty Farewell**

The farewell ceremony for the Head of the Science and Humanities Departments at the Government Polytechnic Bhuj was organized under the chairmanship of the Principal Dr. Gaurang V. Lakhani. The event marked the retirement of the esteemed faculty member Mr. Hitesh A. Joshi on 30<sup>th</sup> November, 2023, who had served for over 32 years.



Mr. Hitesh A. Joshi began his career in 1991 as a teacher of physics and later served as a lecturer in physics at various colleges. Eventually, he contributed significantly to the field of physics as a distinguished professor at the Government Polytechnic, Bhuj. Later on, he also served as the Head of the Science and Humanities Departments.

The farewell ceremony was presided over by Mr. Hitesh A. Joshi, who had played a crucial role in various committees within the

institution. He was acknowledged for his invaluable contributions, and he received a recognition certificate in gratitude for his services. The entire event was anchored by Dr. Maitri H. Vyas and was graced by Dr. Lopa K. Sanghavi.

The department's faculty members, as well as the heads of various departments, expressed their good wishes for Mr. Hitesh A. Joshi's healthy and joyful retired life.

### **Event 2: Diwali Celebration**



The department celebrated Diwali by making colourful rangolis in November 2023. All the faculties of the department enthusiastically took part in this celebration by making rangolis.





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# **Faculty Achievements**

Dr. G. V. Lakhani, Head of the Computer Engineering Department, served as a reviewer for a computer and electrical engineering journal by Elsevier publication and reviewed 12 research papers.





Mr. S. G. Srivastav, I/C HOD of the Mining Engineering department at Government Polytechnic Bhuj, is selected as the Auditor by the Coal Controller of India for star rating of Mines under the Ministry of Coal, Government of India. It is truly remarkable. Auditing the Lignite Mines of GHCL and GPCL in Bhavnagar District on  $16^{\rm th}-17^{\rm th}$  October, 2023, demonstrates his dedication and expertise in the field.

Lecturer Mr. N.A. Baldha of the Department of Computer Engineering took the NPTEL exam for the 12-week "Ethical Hacking" course that IIT Kharagpur was offering from July to October 2023. He scored in the top 5% and received an Elite Silver Certification.





Lecturer Mr. R.H. Davda of the Department of Computer Engineering took the NPTEL exam for the 12-week "Problem Solving Through Programming in C" course that IIT Kharagpur was offering from July to October 2023. He scored in the top 5% and received an Elite Silver Certification.

Dr. Niketa P. Joshi, serving as a lecturer (Physics) at Government Polytechnic, Bhuj, has achieved the honor of obtaining a Ph.D. degree in Physics from Saurashtra University. Her research work focuses on the topic "Effect of Fe 3+/Al3+ Cationic Substitution on some physical properties of Quadraple Perovskite Calcium Copper Titanate." In this research endeavor, she received consistent guidance and support from her guides, Professor Dr. K. B. Modi and Department Head Professor Dr. H. A. Joshi. The entire staff, along with the academic and familial circles, warmly applaud her on this significant achievement.





Dr. Ritu Kishor Soni, a faculty of the department of Science and Humanities has been awarded a Ph.D. degree on 26<sup>th</sup> August,2023 by Shree K.S.K.V Kachchh University for her research work on the topic 'A Study of Rasa in Rabindranath Tagore's Select Plays' in the English subject. Her achievement was celebrated by the college, and congratulations were extended by entire staff, as well as friends and family.



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Mr. Mitesh Raval, a faculty of Electrical Engineering department participated in the state-level selection tournament for the All-India Civil Services Table Tennis Competition. The event was conducted at the State Sachivalaya Gymkhana in Gandhinagar from  $10^{th}$ August, 2023 to  $12^{th}$  August, 2023.

He also participated in 7 km Walkathon in the "Cyclothon and Walkathon 2.0" event organized in Bhuj on 01st October, 2023.





Mr. Ajit Yadav,a faculty of Electrical Engineering department participated in the state-level selection tournament for the All-India Civil Services Badminton Competition and the All-India Civil Services Swimming Competition. The events were conducted at the State Sachivalaya Gymkhana in Gandhinagar from 17<sup>th</sup> July, 2023 to 19<sup>th</sup> July, 2023 and 20<sup>th</sup> July, 2023 respectively.

He also wrote the story for a short film "The Deal". The film competed at the India Film Project's 50-hour Filmmaking Challenge, the largest filmmaking competition in the world. It is available to stream on YouTube. (The Deal | Short Film | Made In 50 Hour Filmmaking Challenge | IFP 2023 | (youtube.com)).

Moreover, He was part of the songwriting team for the song "Bhuj Asanjo". The song has lyrics in Kutchi and Gujarati languages. It was shortlisted among the top-30 songs in the Pop music category of the India Film Project's 50-hour Music Challenge. It is available to stream on various platforms such as YouTube (Bhuj Asanjo | First official song of Bhuj | Jeet Sachde | Chintan Soni | Fusion Factory (youtube.com)), Spotify (Bhuj Asanjo - song and lyrics by Jeet Sachde | Spotify) etc.

Adding further, He also wrote reviews of various films and shows on his blog Musingsite. The links are:

- a.Review of the webs series Kohrra on Netflix (<u>TV Review: Kohrra Sins of Our Fathers Musingsite (wordpress.com)</u>).
- b.Review of the film Oppenheimer (Film Review: Oppenheimer Musingsite (wordpress.com)).
- c.Review of the 1<sup>st</sup> season of the TV show Breaking Bad (<u>TV Review: Breaking Bad Season 1 Musingsite</u> (wordpress.com)).
- d. Review of the web series Guns and Gulaabs on Amazon Prime Video (<u>TV Review: Guns and Gulaabs</u> <u>Pulp Action-adventure in Opium-gunj Musingsite (wordpress.com)</u>

Mr. D. B. Lokwani, a faculty member in the Mechanical Engineering department, participated in the Garmin Century Challenge 2023 and won the title of "The Boss." He embarked on the 100 Days Running & Cycling Challenge 2023, which spanned from September 2 to December 10. The challenge required covering a minimum of 2 Kms daily by running and 5 Kms daily by cycling. Finisher titles, including BOSS, LEGEND, EXPERT, and BEGINNER, were awarded based on days completed, with a 50-day minimum to qualify. After registration, daily run/walk of at least 2 Kms





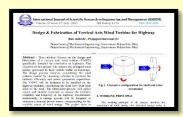
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was required to qualify. Mr. D. B. Lokwani has completed 100 days' challenge and covered 488.65 km running distance. He stood 75<sup>th</sup> position out of 4199 participants all over India and his group stood 56<sup>th</sup> out of 3923 groups across the India.

### **Students Corner**

Mr. Ashish Rao, a student of final year of Mecahnical Engineering Department has published technical paper under the guidance of Mr. N. K. Prajapati (LME) on "Design and fabrication of vertical axis wind turbine for highways" in International Journal of Scientific Research in Engineering and Management (IJSREM - ISSN: 2582-3930), Volume: 07, Issue: 07, July – 2023.



# **Admission Awareness Program-2024**

The Diploma Engineering Awareness Programme, held from 20<sup>th</sup> December, 2023, to 30<sup>th</sup> December, 2023, aimed to illuminate aspiring engineers with a comprehensive understanding of the diverse facets of engineering. Organized by Government Polytechnic Bhuj, this initiative sought to provide participants with insights into various engineering disciplines, the general process for online admission, and career prospects.



Government Polytechnic Bhuj conducted an awareness program regarding diploma engineering admission in 35 government or grant-in-aid schools of Kutch district. A total of 3140 students in standard 10th benefited from this awareness program. More than 25 faculties delivered their expertise in the diploma admission awareness program for 2024 conducted across Kutch district. The entire program was controlled and managed by the ACPDC committee, G.P. Bhuj.

### **Key Features**

- 1. Program Duration: 20th December, 2023, to 30th December, 2023.
- 2. Number of Schools Covered: 30.
- 3. Number of Beneficiary Participants: 3140.
- 4. Program managed by: ACPDC Committee.
- 5. Area covered in Kutch district: Bhuj, Mandvi, Mundra, Abdasa, Anjar, Gandhidham, Aadipur, Rapar.
- 6. Number of faculty involved as experts: More than 25.



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# **Memorandums of Understanding (MoUs)**

# MoUs done by various Departments during July to December 2023

			MoU With									
Sr. No.	MoU by Department / Cell / Institute	Purpose of MoU	Name of Organisati on	Sector	Address	Person	Design ation	Email	Mobile	Duration	Start Date of MoU	End Date of MoU
1	Mining Engineering	Industrial Visit/ Industrial Internship/ Expert Session	Alex Minerals & Allied Industries Kutch	Private Sector	136, Time Square Empire, Bhuj - Mirzapar Highway, Bhuj	Mr. Himanshu Patel	Owner	himanshup092@gmail.com	9974372365	5 Year	14-10-2023	13-10-2028
2	Mining Engineering	Industrial Internship, Industrial Visit, Training and Expert Session,	GHCL Bhavnagar	Private Sector	713/B, Deri Road, Near Diamond Chowk, Krishnanaga r, Bhavnagar 364001	Mr. Dhananja y Kumar	Sr. Genera l Manag er, Head Mines	dkumar@ghcl.co.inn	9824502802	5 Year	16-10-2023	15-10-2028
3	Mining Engineering	Industrial Internship, Industrial Visit, Training and Expert Session,	Gimpex Imerys India Pvt. Ltd.	Private Sector	Hall No 9, Sun Plaza, Mirzapar Road, Bhuj	Mr. Pradeep Kothari	Chef Executi ve Officer	info@gimpex-imerys.com	9825225494	5 Year	21-10-2023	20-10-2028
4	Computer Engineering	Industrial Internship, Industrial Visit, Training and Expert Session,	Way To Web Pvt. Ltd.	Private Sector	Ahmedabad	Mahipatsi nh Rajput	Managi ng Directo r	inf o@ wa yto we bso luti on. co m	9825592737	5 Year	23-10-2023	22-10-2028

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# **Student Startup and Innovation Cell**

### 1. Motivation Session to young engineers

As per the guidance from Gujarat Technological University, Government Polytechnic Bhuj organized a series of orientation/induction programs for newly enrolled students in the 1st-year diploma engineering program. On 20<sup>th</sup> July, 2023, a motivational session was conducted, featuring Dr. Kanishk Shah, a faculty member of management and SSIP Coordinator at KSKV Kutch University. The session took place at the Auditorium of Government Polytechnic Bhuj, with the intended audience being all first-semester students of the government polytechnic.





During the session, Dr. Kanishk Shah elucidated the career opportunities available to students in this VUCA World, where **VUCA** volatility. represents uncertainty, complexity, and ambiguity. He also shared a studies few case and motivated students to embrace real-life challenges, fostering innovation for sustainable development.

Towards the conclusion of the session, Mr. Mayur Thacker, a Lecturer and SSIP Coordinator of the Institute, explained how SSIP could benefit students in their innovation and startup endeavors, providing all necessary details. The session proved beneficial for more than 150 students who attended.

### 2. Expert lecture on "innovation" in association with vigyan gurjari

Under the guidance and support of Dr. G. V. Lakhani, the Principal of GP Bhuj, and Dr. S. H. Vora, the in-charge principal, the GP Bhuj SSIP committee organized an expert lecture on "Innovation" in association with Vigyan Gurjari for the 1st-semester students of GP Bhuj. The event took place at the Auditorium of GP Bhuj from 11 am to 12 pm on



10th August 2023. Mr. E. U. Ghanchi from the Metallurgy Department at GP Bhuj coordinated the program. The expert lecture was delivered by distinguished



Prof. K M Patel, an Assistant Professor in the Electrical Department at GEC Bhuj. Prof. K M Patel provided an interactive and informative lecture on innovation to 158 students of the 1st semester at GP Bhuj. He raised awareness among students on various topics, such as innovation for revenue generation and resolving societal problems.



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Prof. Patel illustrated these concepts with excellent examples, such as fabricating stands for easy carrying of bags, using barrels as rollers, and employing spray painting techniques.

During the lecture, Prof. K M Patel also briefed students about the benefits and monetary assistance available under the SSIP policy. He explained the process of innovation and introduced brainstorming techniques to identify problems in daily routines, emphasizing subsequent problem-solving as a form of innovation. Such sessions are expected to assist students and society in developing sustainable and innovative solutions to societal and environmental challenges.

### 3. Online Webinar on Hackathon

The Online Webinar on "Hackathon Insights" was organized on 22<sup>nd</sup> September, 2023for recent diploma graduates in computer engineering to provide them with valuable information and insights into the world of hackathons. The event aimed to help participants understand the importance of hackathons, their role in fostering innovation, and how they can participate effectively in such events to enhance their skills and career prospects. The webinar was attended by more than 40 students from the computer engineering department, all eager to gain insights into the world of hackathons.



Objectives: The primary objectives of the webinar were:

- 1. To introduce hackathons and their significance in the tech and innovation industry.
- 2. To share success stories and experiences of diploma graduates who have excelled in hackathons.
- 3. To provide guidance on how to prepare for and participate in hackathons.
- 4. To answer questions and clarify doubts related to hackathons.

# National Cadets Corps (N.C.C.) Unit

It is thrilled to share the latest endeavors of the NCC cadets at Government Polytechnic Bhuj, showcasing their commitment to overall development and community engagement. From 1<sup>st</sup>August to 10th, CATC-XII (Pre RDC) camp witnessed enthusiastic participation, with 3 cadets competing for the coveted Best Cadet title, PM rally and Guard of Honors. One cadet has ventured into the AINSC camp at Jamnagar from August 18th to 27<sup>th</sup>, 3 cadets embarked on a memorable UP trekking camp in Shravasti UP from 31<sup>st</sup>October to



7<sup>th</sup>November, embracing the spirit of adventure and teamwork. In addition, 15 cadets have participated in MENU camp and 9 cadets have immersed themselves in the CATC camp at Rudramata Bhuj from 23rd December to1<sup>st</sup> January.

In a remarkable international engagement, one cadet Adhiyan Sengar participated in OSD (Oversea Deployment) from 12th September to 21stOctober. During this deployment, he had the privilege of visiting four countries—Myanmar, Sri Lanka, Thailand, and Bangladesh. His



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experience included gaining insights into navy routines, customs, and invaluable learning during this overseas venture.

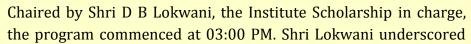
Beyond training, cadets have actively participated in various events such as the Run of Kutch visit, Coastal Cleanup, and a visit to Bhuj Airforce Station, organized by the 5 Gujarat Naval Unit NCC. These experiences contribute not only to their personal growth but also foster a sense of responsibility towards the community.

It is a delight to mention that ANO Mr. J C Makani has been selected for the DGNCC Commendation Card and Award on NCC Day (26<sup>th</sup>November, 2023), recognizing his exemplary contribution to NCC.

Under the guidance of Principal Dr. G V Lakhani, ANO, and dedicated staff, students are continuously motivated and inspired to actively participate in such enriching activities for their holistic development.

# **Scholarship Awareness Program**

The Scholarship Awareness Program held at Government Polytechnic Bhuj on 13thSeptember, 2023, 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, and EWS students.





the significance of scholarships in facilitating education, emphasizing the institute's commitment to supporting students. Shri D M Chauhan, Lecturer in the Mechanical Engineering Department, delivered a comprehensive presentation. He detailed the eligibility criteria, application process, and benefits of Gujarat government scholarships, catering to the diverse student body. About 350 students were present in the seminar.



The presence of scholarship committee members, Shri M S Thakkar, Shri N V Prajapati, Smt S K Gohil, Smt S P Jaradi, Ku. A D Jansari Shri D V Gamit, 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.

# **Gymkhana Activities**

### Event 1: - Semicon India 2023 Visit

In an effort to bolster India's position as a global hub for Semiconductor Design, Manufacturing, and Technology Development, the 'Semicon India 2023' event was held at Mahatma Mandir, Gandhinagar. Organized by India Semiconductor Mission in partnership with industry and



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industry associations, the event was spearheaded by the visionary leadership of Hon'ble Prime Minister Shri Narendra Modi.

A group of 36 students and 04 faculties from Government Polytechnic Bhuj had the opportunity to participate in the event. Their journey commenced by GSRTC Bus on the morning of 30th July 2023 at 05:00 am and concluded at 01:00 am on 31st July 2023.

During the visit, the attendees actively visited the exhibition of Semicon India 2023 where companies of semiconductor sector of India were present & displayed their technologies.

The Semicon India 2023 event provided a unique platform for students

and faculties to gain insights into the semiconductor industry's future and the steps needed to foster its growth in India. With the Indian government's vision and support, the nation is taking significant strides towards becoming a prominent player in the global semiconductor market, contributing to technological advancements and economic growth.

The visit was guided and supported by Dr. G. V. Lakhani, Principal G. P. Bhuj, and Mr. S. C. Dabhekar (LMNE) (Event Nodal Officer), the group was accompanied by a team comprising Mr. K. H. Siju (LME), Mr. A. Yadav (LEE), Mr. N. A. Baldha (LCE) and Mr. S. B. Rathwa (LMetE).



### **Event 2: - 'Panch Pran Pratigya'**

The nationwide event, 'Azadi ka Amrut Mahotsav,' has brought a sense of vibrancy to Government Polytechnic Bhuj. As part of this event, the institution took part in the 'Meri Mati Mera Desh' initiative. On 9th August, 2023, a program called 'Panch Pran Pratigya' was organized, during which a total of 311 students and faculty members participated. This involved taking a pledge while holding soil in their hands, symbolizing their commitment

to the development of India. The participants expressed their determination to contribute diligently towards the progress of the nation, echoing the spirit of the event.

**Event 3: - Independence Day Celebration**: The Government Polytechnic Bhuj celebrated 77th Independence Day on 15th August 2023 with great enthusiasm. The event witnessed the participation of approximately 40 students and 32 staff members. The celebrations began with the singing of the National Anthem, which filled the atmosphere with a sense of patriotism. The highlight of the event was the hoisting of the National Flag by Dr. G. V. Lakhani, Principal G. P. Bhuj headed by Mr. Shamra Gadhvi (I/C SSI), symbolizing the spirit of unity and freedom. Principal



sir gave an inspiring speech, reflecting on the nation's journey and encouraging everyone to contribute to its growth. Student from the Electrical Department, Dhruv Ruparel (6th Sem) showcased his talent by singing a patriotic song, adding a memorable touch to the event. The program ended with a thoughtful ceremony, in which three retired Army officials were honored for recognizing their dedication to the country. The celebration concluded on a joyful note with everyone enjoying refreshments together.



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### Event 4: Live Streaming of landing of Chandrayaan 3.0



On 23<sup>rd</sup> August, 2023, Gymkhana cell organized a live streaming event in the Auditorium Hall to broadcast the landing of Chandrayaan 3.0. The screening was open to all students and faculty members, providing them with the opportunity to witness this significant space mission. The event aimed to engage and educate the academic community on the latest advancements in space exploration, fostering a sense of scientific curiosity and enthusiasm among the attendees.

### **Event 5: Air Force Station Visit:**

On 6<sup>th</sup> October 2023, the students and faculty members, from Government Polytechnic Bhuj had the privilege of visiting Air Force Station Bhuj. A total of 143 students and 10 faculty members attended the visit, which turned out to be an incredible experience. The Air Force Station showcased an impressive display of military equipment, including fighter jets, radars, missile systems, and associated weapon systems. The most exciting part of the event was the breathtaking flying show performed by Microlight Aircraft, which left everyone amazed.

### **Event 6: Garba event:**

The Gymkhana Cell of Government Polytechnic Bhuj successfully organized a vibrant Garba Event on 20<sup>th</sup> October 2023, near LRUC building, Government Polytechnic Bhuj, as part of the Navratri Festival celebrations. The event was open to all students and faculty members who showed enthusiastic participation, creating a lively and culturally rich atmosphere. Attendees were dressed in the traditional way and enjoyed the event by dancing and listening garba music. The event was held from 10:00 am to 01:00 pm and around 185 students participated in the event.



### Event 7: Vision for VIKSIT Bharat@2047:

A program titled "Vision for VIKSIT Bharat@2047" was conducted at Government Polytechnic Bhuj in auditorium hall on 11<sup>th</sup> December 2023. The event utilized online webcasting to engage both staff and students. A total 142 participants were present in the program. The Honorable Prime Minister inaugurated and addressed the event, motivating all stakeholders to conduct various activities in schools and colleges that contribute to the goal of



Vikshit Bharat. I/C Principal Mr. R. J. Hathi outlined the importance of program and congratulated team for conducting the program successfully. Mr. S. C. Dabhekar (LMNE) (I/C Gymkhana) & Mr. M. S. Thakker (LEE) (SSIP Coordinator) managed and supported the program.



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### Event 8: Workshop related to VIKSIT Bharat@2047:

The Gymkhana cell of Government Polytechnic Bhuj organized a workshop on Vikshit Bharat@2047 at the Auditorium hall, Government Polytechnic Bhuj on 14<sup>th</sup> December 2023. The workshop aimed to familiarize participants with the Vikshit Bharat portal and provide detailed guidance on the process of submitting feedback. Total 62 students and 35 faculties participated in this workshop.



Mr. S. C. Dabhekar (LMNE) (I/C Gymkhana cell) explained the portal's functionalities and clarified the step-by-step procedure for offering feedback. This informative session not only equipped the participants with a deeper understanding of the platform but also empowered them to actively engage in contributing to the vision of a developed India.

# **Campus Placement**

Campus placement was held at the institute during July to December 2023. Companies from different places of Gujarat came to select the best candidates. The following data shows the result.

Sr. No.	Company Name	Campus Type	Date	Job Location	Post	No of Students Shortlisted
1	Vishakha Renewables Pvt. Ltd.	Pool Campus	23-06-2023	Mundra	DET	Awaited
2	Ambica Steels India Ltd.	Pool	27-06-2023	Kaniyabe	DET	Awaited
3	Innovsource Pvt. Ltd.	Walk In	04-07-2023	Mundra	DET	Awaited
4	Tata Passenger Electric Mobility Ltd	Walk In	09-08-2023	Sanand	Apprenticeship	10
5	Ashapura Perfoclay Ltd	Walk In	28-08-2023	Bhujodi	Apprenticeship	1
6	Vishakha Glass Pvt. Ltd.	Walk In	28-08-2023	Tunda - Mundra	DET	Awaited
7	Archean Chemical Industries Limited	Walk In	28-08-2023	Hajipir	DET	15
8	Innovsource Pvt. Ltd.	Walk In	28-08-2023	Mundra	DET	Awaited
9	K D Motors	Walk In	28-08-2023	Bhuj	Technician	Awaited

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# **Mission Life Program**

### **Event 1: Expert Talk**

On 14th of December 2023, an expert talk on the topic "What is Mission Life?" was organized at Government Polytechnic-Bhuj. The session aimed to provide insights into environmental conservation and sustainable practices. The event was organized by Mission Life Coordinator Dr. Niketa P Joshi, a Lecturer in Physics at Government Polytechnic-Bhuj. The resource persons for the event were Zeel Adhikari and Shweta Sharma, both accomplished professionals in the field of environmental engineering. Shweta Sharma, an



Assistant Environmental Engineer at the Gujarat Pollution Control Board, Regional Office, Kutch, brought a wealth of practical knowledge and experience to the discussion.

The expert talk on "What is Mission Life?" proved to be an enlightening and informative session for the students and faculty of Government Polytechnic-Bhuj. The speakers effectively conveyed the significance of sustainable living and the role engineers can play in achieving environmental conservation goals. The event was a success, thanks to the organizers and the active participation of the attendees.

The organizers extend their gratitude to Zeel Adhikari and Shweta Sharma for sharing their expertise, and to all the participants for their enthusiastic involvement in the event. The expert talk served as a valuable platform for knowledge exchange and awareness building, aligning with the mission of fostering a sense of responsibility towards the environment among the future engineers.

### **Environmental Activity**

On 14th of December 2023, a session was organized at Government Polytechnic-Bhuj to highlight and celebrate the various initiatives taken by students to save the environment in both the society and the college campus. The event was organized by Dr. Niketa P Joshi, and the resource persons included Zeel Adhikari and Shweta Sharma, who shared their expertise as environmental engineers. The session allowed participants to share their experiences and challenges faced during the



implementation of these activities. The resource persons, Zeel Adhikari and Shweta Sharma, provided valuable insights and guidance on sustaining and expanding these initiatives.



The organizers extend their appreciation to Zeel Adhikari and Shweta Sharma for their valuable contributions, and to all the students and faculty members for their active involvement in making a positive difference in the environment. The event emphasized the importance of collective efforts in building a sustainable and eco-friendly future.



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# **Environment Protection Cell Activity**

"Swachata Pakhvadiya," also known as Cleanliness Week, is an event that aims to promote cleanliness and hygiene practices among students and staff. It is an initiative taken by the Government of India to create awareness about the importance of cleanliness in our daily lives. Government Polytechnic Bhuj actively participated in this event with various activities and programs. There were around 90 students and NSS participants who contributed in this event.



Following Activities were conducted under this event:

**Campus Cleaning Drive:** A significant aspect of the "Swachata Pakhvadiya" celebration was a campus cleaning drive. Students and staff members joined hands to clean the entire campus, including classrooms, laboratories, corridors, and the surrounding areas. Proper waste disposal practices were followed, and segregated bins were provided.

**Plantation Drive**: As a part of the week-long celebration, a plantation drive was organized to promote green and clean surroundings. Students and staff members planted trees and took responsibility for their care.

The "Swachata Pakhvadiya" celebration at Government Polytechnic Bhuj was a resounding success. It brought together students, faculty, and staff members to actively engage in activities that promoted cleanliness and hygiene. The event not only improved the cleanliness of the campus but also instilled a sense of responsibility and awareness about cleanliness in the community.

By actively participating in the "Swachata Pakhvadiya," Government Polytechnic Bhuj has not only contributed to the broader Swachh Bharat Abhiyan (Clean India Campaign) but has also instilled a sense of responsibility for cleanliness and hygiene in its students, which will benefit society in the long run. Such initiatives serve as a reminder that cleanliness is not just a one-time effort but a continuous practice that should be an integral part of our lives.

The institution looks forward to continuing its efforts to promote cleanliness and hygiene and hopes to make a lasting impact on the lives of its students and the community.



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# **Institute Toppers (CGPA Wise)**

DIPL SEM 6 - Regular (Top 10 students SPI WISE)								
SR No	Department	Enrollment no	name	SPI				
1	Computer	206210307007	Jani Nandani Tusharbhai	9.81				
2	Mechanical	206210319001	PARMAR MEET VINODBHAI	9.79				
3	Electrical	206210309001	LAKHANI NEEL SUNILBHAI	9.79				
4	Computer	206210307027	DUDHAIYA KEVAL VINODBHAI	9.77				
5	Computer	206210307013	sahil chandrakant makvana	9.77				
6	Computer	206210307049	PATEL BANSI KISHORBHAI	9.77				
7	Computer	206210307040	Devansh Amit Tripathi	9.77				
8	Mining	206210322010	VAGHELA DIGVIJAYSINH KANAKSINH	9.75				
9	Computer	206210307061	GAMI JAY KISHOR	9.61				
10	Computer	206210307104	JANGDE DHARMENDRA BYASNARAYAN	9.45				

# **ISTE Student Chapter**



Government Polytechnic, Bhuj inaugurated the student chapter of Indian Society for Technical Education (ISTE) on 15thSeptember, 2023 at the institution's auditorium. This was a significant event for the institute, as it aims to provide students with the opportunity to interact with industry experts, participate in technical workshops and conferences, and develop their skills and knowledge in the field of engineering and technology.

The program was held under the chairmanship of Principal Dr. Gaurang Lakhani. A motivational address was delivered online by Dr. Sachin Pareekh, Joint Director of Technical Education Office and President of ISTE's Gujarat Unit. Dr. Rajendra Patel, Project Director at the Regional Science Center in Bhuj, was present at the event and delivered a keynote address.



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The following students have been appointed as office bearers for the ISTE Students Chapter for the academic year 2023-24:

- Ms. Yashvi P. Gohil (President)
- Mr. Damodar P. Rathod (Vice President)
- Mr. Swarajsinh M. Rathod (Secretary)
- Mr. Hardipsinh S. Sodha (Treasurer)
- Mr. Kartik J. Khatri (Member)
- Mr. Om J. Daraji (Member)
- Mr. Arjun D. Kandoi (Member)
- Mr. Jash Baradiya (Member)
- Mr. Dhruvkumar Solanki (Member)

The institute ISTE Students Chapter looks forward to a productive and successful first term ahead under the guidance of these student leaders.

At present it has 226 students' members and institute encourages all students to join the ISTE Students Chapter and take advantage of the many benefits that it offers.

# **Media Coverage**

<sub>ફ્રાયર એક્સ્ટિંગ્યૂસર વિશે છાત્રોને માહિતી અપાઇ</sub> ભુજની પોલિટેકનિક કોલેજ ખાતે 'ફ્રાયર સેફ્ટી' પર વર્કશોપ યોજાયો

ા ભુજ ! (સંદેશ પ્રતિનિધિ) ભુજની સરકારી પોલિટેકનિક કોલેજ ખાતે કાયર સેક્ટી વિષય પર વર્કશોપ યોજવામાં આવ્યો હતો. તા.૨૭ સપ્ટેમ્બર ૨૦૨૩ના માઇનિંગ ઇજનેરી વિભાગ દ્વારા અભ્યાસક્રમનાં ભાગરૂપે માઇનિંગ ઇન્જિનિયરિંગ એસોસિયેશન

ઓફ ઇન્ડિયા (MEAI) તથા સ્ટુડન્ટ ચેપ્ટર (ISTE) ના સંયુક્ત ઉપક્રમે ફાયર સેફ્ટી વિષય પર એક દિવસીય વર્કશોપ યોજાયો હતો.

વર્કશોપમાં વિદ્યાર્થીઓને ફાયર ટ્રાયંગલ, ક્લાસિફિકેશન ઓફ ફાયર

સરફેસ તથા અન્ડર ગાઉન્ડ ખાણમાં આગ પકડી લેતાં વિસ્તાર, વિવિધ ફાયર એકિંસ્ટગ્યૂસર અને તેના ઉપયોગો, આગ લાગે ત્યારે તેની સાથે લેવડદેવડ કરતી વખતે ધ્યાનમાં રાખવાની સાવચેતીઓ, આગ બૂઝાવવા માટે વપરાતા પદાર્થો સહિતના મુદ્દાઓ પર આધુનિક સાધનોનો પ્રત્યક્ષ ઉપયોગ કરાવીને તાલીમ સાથે જરૂરી પાયાની માહિતી પુરી પાડી હતી.

અને એસ.જી.શ્રીવાસ્તવે જહેમત ઉઠાવી હતી. માઈનિંગ ઈજનેરી વિભાગ ખાતાના વડા એસ.જી.શ્રીવાસ્તવ દ્વારા



તજજ્ઞ કમલેશ મતિયા અને તેમની ટીમનો આભાર માનવામાં આવ્યો હતો. સંસ્થાના આચાર્ય ડૉ. જી.વી. લાખાણી દ્વારા પણ વર્કશોપના વિષયને અનુરૂપ ઉદ્દબોધન કરાયું હોવાનું આચાર્ય લાખાણી દ્વારા જણાવાયું હતું. દરેક વિદ્યાશાખાના પ્રથમ પાંચ છાત્રને પ્રમાણપત્રો અપાયા મુજ શહેરની સરકારી પોલિટેકનિક

ભુજ શહેરના સરકારા પાલિટકાનક કોલેજમાં એન્જિનિયર્સ ડેની ઉજવણી

ા ભુજ ા (સંદેશ પ્રતિબિધિ) ભુજની સરકારી પોલિટેકનિક કોલેજ ખાતે એન્જિનિયર્સ ડે ની ઉજવણી કરવામાં આવી હતી. ઇન્ડિયન સોસાયટી ફોર ટેકનિકલ એજયુકેશન (ISTE) ના વિદ્યાર્થી ચેપ્ટરનું ઉદ્દયાટન કરાયું હતું. આ ઉપરાંત વર્ષ ૨૦૨૩માં ડિપ્લોમા અભ્યાસક્રમ પૂર્ણ કરેલા વિદ્યાર્થીઓ પૈકી પ્રત્યેક વિદ્યાશાખાના

પ્રથમ પાંચ ક્રમમાં ઉત્તીર્ણ થનારા વિદ્યાર્થીઓને પ્રમાણપત્ર આપવામાં આવ્યા હતા. આચાર્ય ડૉ. ગૌરાંગ લાખાણીની અધ્યક્ષતામા યોજાયેલા કાર્યક્રમમાં ટેકનિકલ શિક્ષણ

કચેરીના જોઈન્ટ ડાયરેક્ટર ડૉ. સચિન પરીખે ગાંધીનગરથી ઓન-લાઇન સંબોધન કર્યું હતું. રિજિયોનલ સાયન્સ સેન્ટરનાં પ્રોજેક્ટ ડાયરેક્ટર ડૉ. રાજેન્દ્ર પટેલે છાત્રોને માર્ગદર્શન આપ્યું હતું. ઇલેક્ટ્રિકલ ઇજનેરી વિભાગના વ્યાખ્યાતા મયુર ઠક્કરે ISTEની પ્રવૃત્તિઓ વિશે પ્રેઝન્ટેશન દ્વારા વિદ્યાર્થીઓને માહિતી આપી હતી. આ પ્રસંગે આચાર્ય, મહેમાનો તેમજ વિવિધ વિદ્યાશાખાના વડાઓ દ્વારા ચાલુ વર્ષે ડિપ્લોમા અભ્યાસક્રમ પૂર્ણ કરેલા ૨૭ તેજસ્વી વિદ્યાર્થીઓને પ્રમાણપત્રો એનાયત કરવામાં આવ્યા હતા. સંસ્થાના એનએસએસ યુનિટ દ્વારા અંગદાન વિશે



માહિતી આપવામાં આવી હતી. સમગ આયોજન સંસ્થાની ISTE STUDENT CHAPTER કમિટી તથા સ્ટાફ દ્વારા કરવામાં આવ્યું હતું. કાર્યક્રમનું સંચાલન સંસ્થાના અંગ્રેજીના વ્યાખ્યાતા ડૉ. મૈત્રી એચ, વ્યાસ દ્વારા કરવામાં આવ્યું હતું.



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શ્રીવાસ્તવ તેમજ ઈજનેરી વિભાગ ફેકલ્ટીએ જહેમત ઉઠાવી હતી.





### Newsletter Committee

NAME OF STUDENT **BRANCH ENROLLMENT NO** HARSORA DHAIRYAKANT RUSHIKANT 216210307029 **COMPUTER YOGENDER SURESH SHARMA** 216210322016 MINING **SOLGAMA ARPAN JANAKKUMAR** 216210309003 **ELECTRICAL** SONI SAUMYA KISHORBHAI 216210319012 **MECHANICAL** AHIR KANABHAI ALABHAI 216210306036 CIVIL

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