

In this Issue: -

<i>Institute Profile.....2</i>	<i>Library.....9</i>	<i>Gymkhana.....13</i>
<i>Principal's Message.....2</i>	<i>NCC9</i>	<i>Safety First.....14</i>
<i>Departments.....3-7</i>	<i>Faculty Corner.....10</i>	<i>Gallery.....15</i>
<i>EDC.....8</i>	<i>WDC.....11</i>	<i>Quotes.....16</i>
<i>Finishing School.....8</i>	<i>Toppers.....12</i>	

Government Polytechnic, Bhuj

Opp. Hill Garden, Airport Ring Road, Bhuj – Kutch, Gujarat

Email: gp-bhuj-dte@gujarat.gov.in, Website: www.gpbj.cteguj.in

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 is affiliated to Gujarat Technological University, Ahmedabad. Government Polytechnic, Bhuj is equipped with robust infrastructure, experienced faculty and enthusiast academic environment. The Government Polytechnic, Bhuj 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.


Principal's Message


As a new principal of Government Polytechnic, Bhuj I feel very fortunate to work with dedicated and hard working staff, motivated students and supportive stakeholders. I joined G. P. Bhuj at such a juncture when final preparation for NBA (National Board of Accreditation) had been in a full swing. Our staff had been making huge efforts for NBA since a long time, and as a fruitful result of which three of our branches namely Computer Engineering, Electrical Engineering and Mechanical Engineering have been accredited by NBA for next three academic years. I heartily congratulate and express my gratitude towards all the staff members, students, parents, alumni association, industries of the region, and all the stake holders who have directly and indirectly contributed. I must also thank office of Directorate of Technical Education, Gandhinagar for their continuous guidance and support. Looking to the potential of the institute, I believe that G. P. Bhuj will continue to achieve more and more milestones of success.




- Dr. S. H. Vora

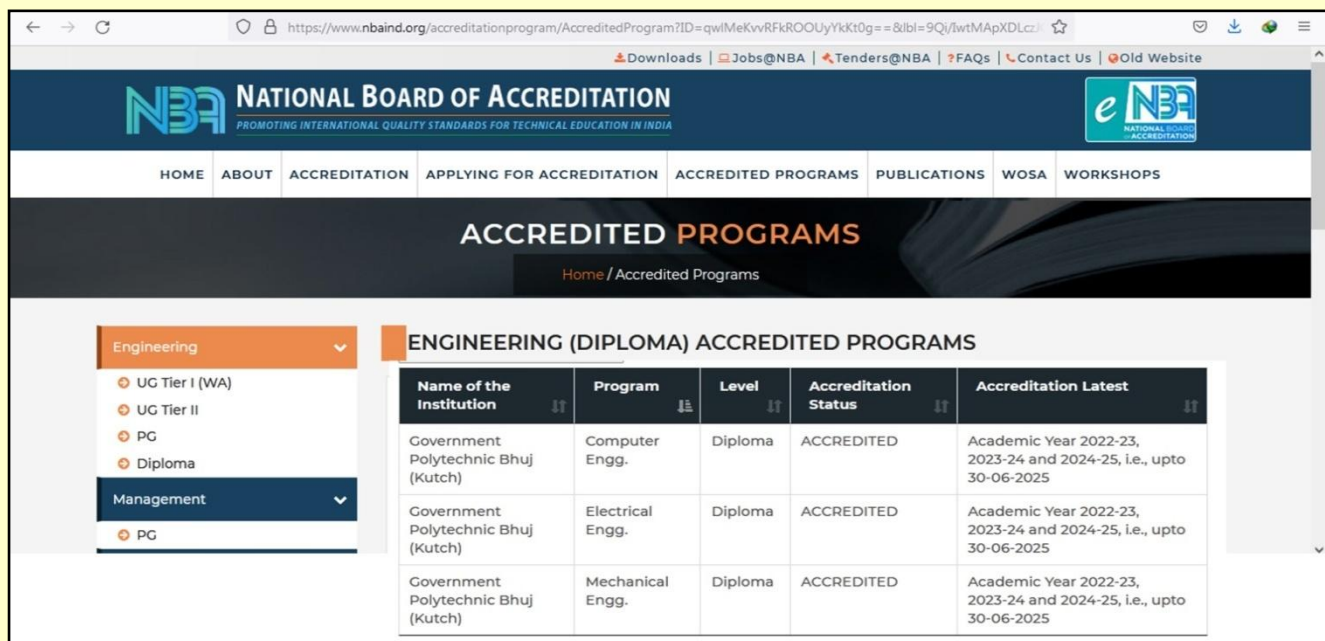
Success! Three Programs of G. P. Bhuj got NBA Accreditation

Diploma in Computer Engineering 

Diploma in Electrical Engineering 

Diploma in Mechanical Engineering 

- Three Programs of Government Polytechnic, Bhuj applied for National Board of Accreditation for the Assessment year 2018-19, 2019-20 & 2020-21.
- First Mock NBA Visit was held on date: 19-01-2022 and 20-01-2022
- Second Mock NBA visit was held on date: 29-03-2022 and 30-03-2022
- NBA Expert Team visited the Institute for NBA Inspection during date: 29-04-2022 to 01-05-2022.
- All Three Programs got NBA Accreditation for Academic year 2022-23, 2023-24 and 2024-25.



The screenshot shows the NBA Accredited Programs page. The main heading is 'ACCREDITED PROGRAMS'. A sidebar on the left shows a filter menu with 'Engineering' selected. The main content area displays a table of accredited programs.

Name of the Institution	Program	Level	Accreditation Status	Accreditation Latest
Government Polytechnic Bhuj (Kutch)	Computer Engg.	Diploma	ACCREDITED	Academic Year 2022-23, 2023-24 and 2024-25, i.e., upto 30-06-2025
Government Polytechnic Bhuj (Kutch)	Electrical Engg.	Diploma	ACCREDITED	Academic Year 2022-23, 2023-24 and 2024-25, i.e., upto 30-06-2025
Government Polytechnic Bhuj (Kutch)	Mechanical Engg.	Diploma	ACCREDITED	Academic Year 2022-23, 2023-24 and 2024-25, i.e., upto 30-06-2025

What is accreditation?

Accreditation is a process of quality assurance and improvement, whereby a programme in an approved Institution is critically appraised to verify that the Institution or the program continues to meet the Norms and Standards prescribed by regulator from time to time. It is a kind of recognition which indicates that a program or Institution fulfills certain standards.

Why accreditation?

The purpose of the accreditation by NBA is to promote and recognize excellence in technical education in colleges and universities - at both the undergraduate and post graduate levels. Institutions, students, employers, and the public at large all benefit from the external verification of quality provided through the NBA accreditation process.

Benefits and Significance of Accreditation

- ✓ Accredited institution / program offers the highest quality education available;
- ✓ Accredited institution / program strengthens consumer's confidence, employers value degrees of an accredited program the most;
- ✓ Accreditation helps institutions to know their strengths, weaknesses and opportunities, pushes them to continuously improve their programs and give them a new sense of direction, identity and targets; and
- ✓ Accredited institution / program demonstrate accountability to the public, commitment to excellence and continuous quality improvement.

Information Source

<https://www.nbaind.org/Accreditation>

Civil Engineering Department

Technical Site Visit to under construction S.T. Bus Stand Depot at Bhuj was organized by N. V. Thaker Sir, B. V. Thacker Sir, B. P. Patel Sir and Y. D. Jethva Sir for final semester students on 8th March, 2022.



An Auto Level Survey Project at under construction ROB Bridge near Bhudiya Farm (Bhujodi), for final Sem project students was arranged and guided by N. V. Thaker Sir, R. L. Lalwani Sir, and H. A. Virda Sir on 13th April, 2022.



The students of Civil Engineering Department attended various webinars such as webinar on **“Construction Project Management”** organized by Saffrony Institute, Mehsana, webinar on **“Gantry Girder in Industrial Area”** organized by H. J. D. Institute, Kera, and webinar on **“Sustainable material for construction - Opportunities and Challenges”** organized by Ultratech Cement. The students also attended **“Cyber Security Awareness”** Seminar organized by Computer Department of Government Polytechnic, Bhuj.

Computer Engineering Department

Computer Engineering Department organized a **Seminar on “Build Your Career in IT”** to spread awareness about career opportunities in IT field on 04/04/2022. Mr. Mahek Dave, Owner at DIT Interactive Pvt. Ltd. delivered the expert session and covered topics such as Types of Jobs in IT field, Interview skills and Presentation, Front & Back End Development, Short Tricks to get placed in IT, DIT Interactive, etc. More than 100 students were benefitted from this session.

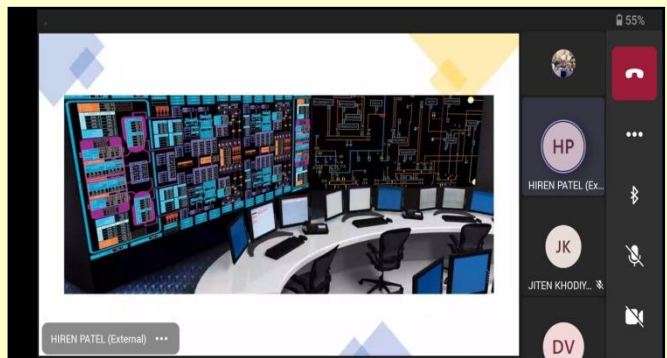


Computer Department also organized a **Seminar on “Cyber Security Awareness”** to spread awareness about cyber security among students on date: 13/04/2022. Mr. Hitesh Zala, Head at Cyber Cell Border Range Bhuj delivered the expert session and covered topics such as Basics of Cyber Security, Phishing Basics, Examples of Phishing, Banking Frauds, Social Media Phishing Attacks, Hackerville, SIM Swapping and Ways to Protect Ourselves.



Electrical Engineering Department

Electrical Department organized an **Expert Lecture** on 16th May, 2022, for the 2nd and 4th semester students of Electrical Engineering on the topic: **“Substation Equipments”**. It was delivered by Mr. Hiren Patel (Associate Professor, Electrical Engineering Department, M. S. University). 35 students took benefit from this lecture. The expert lecture was organized in online mode using Microsoft Teams.



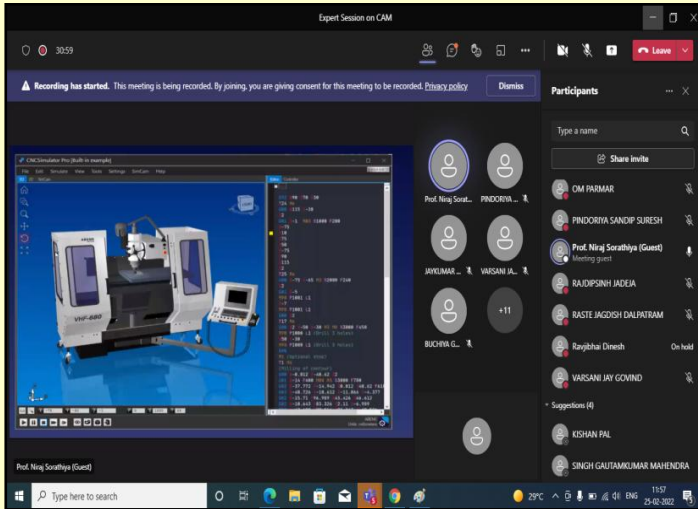
A **Parents-Teachers Meeting** was organized by Electrical Department on 22nd June, 2022, for the 2nd semester students. The staff explained the department’s approach and plan for the all-round development of the students. They also responded to parents’ queries regarding various topics.



A **Project Competition** was held on 01/04/2022 for the 6th semester students of Electrical Engineering. **“Self-balancing Electric Bike”** developed by **Halai Jay and Team** stood on the first rank. The **“Speed Control of DC Motor Using Potentiometer and NE555”** by **Devtaival Chirag and Team** stood on the second rank and **“Navigation Device for Blind Persons”** by **Payan Hiren and Team** stood on the third rank.



Mechanical Engineering Department



The 2nd and 3rd year students of Mechanical Engineering attended **webinar** on “**Recent Trends in CAM**” organized by Mr. Niraj Sorathiya, Asst. Professor, Mechanical Engineering Department, Saffrony Institute of Technology, Mehsana on date 25/02/2022, and webinar on “**Renewable Energy to Save the Future Generation**” delivered by Mr. Tausif M. Shaikh, Asst. Professor, Mechanical Engineering Department, S. P. B. Patel Engineering College, Mehsana on date 03-02-2022.

Mechanical Department organized a **workshop** on “**Operating BOT through IOT**” on date 14/03/2022. Mr. Amit Anakiya, Professor, Mechanical Engineering Department, Veerayatan Institute of Engineering, Mandvi conducted the expert session with demonstration. A series of **expert lectures** on “**Introduction to ANSYS Software**” and “**Seminar on IPR**” were also delivered by Mr. Amit Anakiya on date 14/03/2022. Faculty members of Mechanical Department - Mr. D. B. Lokwani, Mr. M. M. Rana, Mr. K. H. Siju, Mr. N. K. Prajapati, Mr. J. C. Makani and Mr. S. M. Sanghavi coordinated the events.



Industrial visit is very much important Teaching Learning Tool for students as well as faculty members to upgrade themselves with the practical knowledge. Mechanical Department organized an industrial visit to “**Kutch Lignite Thermal Power Station, Panandhro**” on 6th April, 2022 in which 47 students participated. Mr. Deven D. Pandya, In-

charge Head, Mr. Jignesh C. Makani, Mr. Viren D. Patel and Mr. Kanji H. Siju accompanied and guided the students.

A visit to “Rohit Enterprise” and “Shivshakti Industries” at GIDC, Bhuj” were organized on 24th March, 2022. Seventy-Two students participated in it. Mr. Valaji Gadhavi and Mr. Dhanraj Judal accompanied and guided the students during the visit.



Faculty Farewell: Mr. Nishant B. Rathod, Lecturer in Mechanical Engineering was relieved from Government Polytechnic, Bhuj on 28th January, 2022 and he joined B.P.T.I. - Bhavnagar. He has total 13 years of teaching experience. Mechanical Department appreciates his sincere attitude and hardworking nature. We wish him bright future ahead.



Faculty Welcome: Dr. Sagar H. Vora joined Mechanical Engineering Department as a Senior Lecturer and In-charge Head of the Department on 22nd February, 2022. Also, he took the charge of Principal from 1st April, 2022. He has total 30 years of teaching experience. His area of specialization is thermal science. He has published more than eight research papers and filed one patent on Magnetic Field Induced Magnetic Fluid Propulsion System (3781/MUM/2015). Government Polytechnic, Bhuj welcomes him in G. P. Bhuj family.



Mining Engineering Department

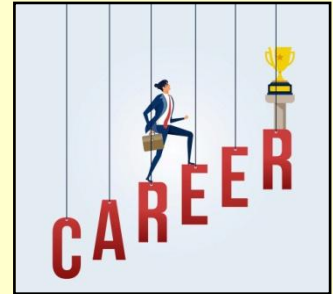
Mining Department organized an expert session on “Reserve Estimation Using Datamine Software” on 29/01/2022 via online platform. Prof. Deepak Pandey, Head & Asst. Professor, Sir Padampat Singhania University, Udaipur delivered an expert talk. He educated students about how to estimate mineral reserve using Datamine software and basic usage of the Software in Mining Industries.

An **Industrial Visit** was organized on 11th March, 2022 by Mining Department for final year students at **Mata na Madh Lignite Mine (GMDC Ltd)**. In this visit 13 students participated.



Entrepreneurship Development Cell (EDC)

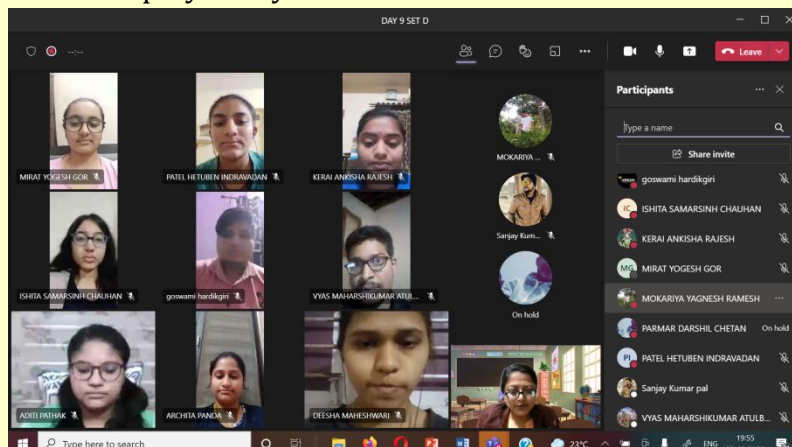
Entrepreneurship Development Cell of GP Bhuj organized a **2 Weeks Training Program** on “**Entrepreneurship Development Program – Module - II**” from date 07/04/2022 to 22/04/2022 with the collaboration of Centre for Entrepreneurship Development (CED), a Govt. of Gujarat organization in the Kutch Region. It was an in-house training program with the participation of 27 students. In the training program, there were a total of 22 different lectures and an industrial visit to Umiya Engineering. The lectures covered a variety of topics, including what is entrepreneurship, computers in business, how to start a new business, government policies to encourage start-ups, marketing management, inspirational start-ups, and so on.



Finishing School

The Education Department of Government of Gujarat has taken the initiatives of introducing the Finishing School concept for Final year and pre final year students of government colleges and these initiatives have been implemented by Knowledge Consortium of Gujarat (KCG). The objective of the program is to enhance the employability skill of the students who are academically good, but lack basic communication and life skills which are prime & basic needs of the industries.

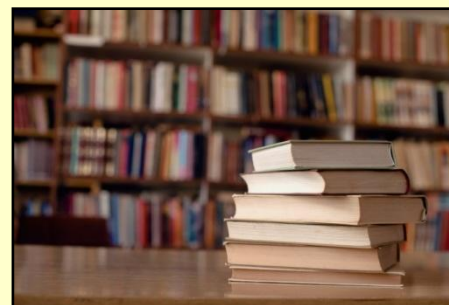
The Finishing School program was launched on 16th March, 2017 and KCG has empanelled a total number of 50 trainers across Gujarat to deliver training sessions. They impart training to students of all over Gujarat. This training is mainly divided in four Sets in which Set A & C include Life & Employability skills and Set B & D include Functional English skills.



In Government Polytechnic, Bhuj one training program for Set A & C and one training program for Set B & D were organized during January-February, 2022. A total number of 16 students participated in training program Set A & C and 29 students participated in training program Set B & D.

Library Resources

The Central Library of Government Polytechnic, Bhuj has obtained services of a renowned library network named DELNET. The resources and services of DELNET enable the college to access numerous international journals in various fields including Engineering and Technology, Arts, Science, Commerce, Education, Finance, and so on. The DELNET database encompasses approximately 3,52,45,416 bibliographical records, 11,24,250 records of Periodical Articles, 6,000 listing of Video Recording, 1,025 records of Sound Recording, and innumerable records of thesis and dissertation, e-books and so on. Faculties and students can access DELNET resources through user id and password, which have been shared among all the departments.



Our library has also obtained Software for University Libraries (SOUL). SOUL is state-of-the-art integrated library management software designed and developed by the INFLIBNET Centre based on requirements of college and university libraries. At present our institute is fully digitalized using SOUL 3.0 management software, which has numerous user friendly functions. One of the major attractions of Soul 3.0 is its robust On-line public Access Catalogue (OPAC). The OPAC has simple and advanced search facility with the minimum information for each item such as author, title, corporate body, conference name, subject headings, keywords, etc.



Available Library Resources		
1	Nos. of Volumes	9927
2	Nos. of Titles	4263
3	Nos. of National Journals (2021-2022)	11
4	Nos. of International journals	3
6	Management software	Soul 3.0
7	Magazine Technical	14
8	Magazine monthly	7
9	News paper daily (Gujarati)	2
10	E-Journal, Magazine, E-books resources	DELNET



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

NCC is known for its discipline and unity. NCC is not a mechanism. NCC is a mission. NCC is not just a uniform or uniformity but it is unity in the true sense of the word. The NCC provides exposure to the cadets in a wide range of activities with a distinct emphasis on Social Services, Discipline and Adventure Training. This year cadets of GP Bhuj participated in Sea Attachment Camp at WNC Mumbai, CATC camp at Jamnagar and CATC camp at Sapeda Kutch.

Sea Attachment Camp was organized by DG NCC New Delhi at Western Naval Command, Naval Dockyard, Mumbai during 02/05/22 to 13/05/22. Two cadets of GP Bhuj out of 100 Cadets countrywide have participated in this camp. During the camp cadets obtained opportunity to live onboard of the ships such as INS Trikand, INS Chennai and INS Gomti. Cadets also visited INS Shikra, Naval dock yard, Mumbai darshan, Submarines and got acquainted with functions and importance of various departments of vessel like Gunnery, Engine, Navigation, Logistics etc.



To fulfill the minimum requirement for NCC certificate exam, cadets have to participate in at least one camp. For that **Combined Annual Training Camp (CATC)** are organized by NCC Units, where selection of cadets for centrally organized camps like NSC, Youth Exchange Program, RDC etc. are carried out. **This year 14 cadets of our institute participated in CATC camp organized by 8 GUJARAT NAVAL UNIT NCC at Jamnagar during 01/06/2022 to 10/06/2022 and 14 cadets participated in CATC camp organized by 6 GUJARAT NAVAL UNIT NCC Adipur at Sapeda during 15/06/2022 to 24/06/2022.** During the camp cadets were taught paired training, rigging practical, weapon training, ship modeling, NBCD, Anchor work, Navigation chart, waterman ship training, cultural activities, sports, Poster making and Shramdaan.

Faculty Corner



Mr. Kamal S. Manek, Lecturer in Computer Engineering Department was enrolled at Government Engineering College, Modasa, Gujarat

Technological University (GTU) to pursue M.E. in Computer Engineering. **He completed his M.E. (Computer Engineering) with 8.6 CPI in June-2022.**

Dr. Dipam J. Joshi, Lecturer in English served as an expert in a **Telephonic Career Counseling Program for SSC Pass out Students** organized by



Maheshwari Yuva Sangathan, Anjar on 14th June, 2022. He counseled several students about higher education and career opportunities after S.S.C.

Dr. Hiren D. Patel, Lecturer in Mathematics presented a research paper entitled “**The weakly annihilating-ideal graph of a commutative ring**”



in the National Conference on Emerging Trends in Discrete Mathematics organized by the Department of Mathematics, Hemchandracharya North Gujarat University, Patan in association with ATMIYA University, Rajkot (online Mode) during February 17-19, 2022.

Dr. Hiren D. Patel also presented a research paper entitled “**On the complement of the extension of the zero-divisor graph of a commutative ring**” in the Prof. P. C. Vaidya National Conference on Mathematical Sciences organized by the Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar (online mode) during March 15-16, 2022.

Ms. Niketa Joshi, Lecturer in Physics published her research paper entitled “**Fe³⁺-substitution effect on the thermal variation of J-E characteristics and DC resistivity of quadruple perovskite CaCu₃Ti₄O₁₂**” in a Journal of Semiconductors (Volume 43, Number 3) in March 2022.



Ms. Jahanvi Thacker, Lecturer in Applied Mechanics participated in the **Khel Mahakumbh** organized by **Government of Gujarat**. She became **Champion in Lawn Tennis singles** and **runner up in doubles** at district level. She also participated at the state level in May-2022 representing team of Kutch District.



Women Development Cell (WDC)



Woman Development Cell of the institute conducted various activities to empower health and safety of girl students, faculty members and their family members as well.

Anemia is a widespread issue in the teenage girls, WDC aims to stay ahead of the situation and take necessary steps to contain it. As an effort towards the same, **Hemoglobin Tests** were done by the Bhuj Red Cross society for



the girl students and female staff members at auditorium hall of the institute on Dt. 11/04/2022. The anchoring of the event was done by **Ms. Kalpa Harpal**, Lecturer in Applied Mechanics.

Following the Hemoglobin Test, **Hemoglobin and Calcium Supplementary Tablets were distributed** to the girl students and female staff members who were diagnosed with the deficiency. The tablets were made available by Bhuj Red Cross society and its Chairman explained about the importance of maintaining required level of Hemoglobin and Calcium in the body. The program was coordinated by **Ms. Kalpa Harpal** at LRUC hall on Dt. 27/04/2022.



A **Self Defense Training Session** was organized at LRUC Hall on Dt. 12/04/2022 by WDC. Along with Students and staff members, family members of the staff also got benefitted from the event. **The training was given by Mr. Shreejal Dabhekar** (Lecturer, Mining Department) who holds Black Belt in martial arts and he was assisted by **Mr. Jigar Patel** (lecturer, mining). Physical techniques were illustrated to resist in the incidents of harassment or attack. Experimental demo was given on how to use available things as weapons for counter attack.



Institute Toppers (CGPA Wise)

Diploma Engineering Semester - 6 - Regular (MAY 2022)

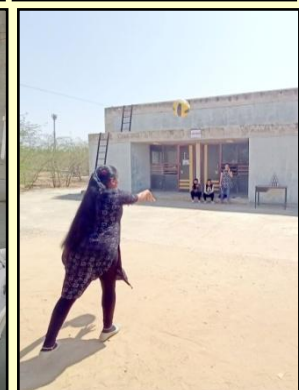
No.	Branch	Enrollment No.	Name of Student	CGPA	SPI	CPI
1	Computer	196210307042	ISHITA SAMARSINH CHAUHAN	9.71	10.00	9.66
2	Computer	196210307001	ADITI PATHAK	9.65	9.77	9.51
3	Civil	196210306026	GURJAR CHETANKUMAR R.	9.63	9.79	9.43
4	Computer	196210307120	SONI DHURUV RAMESH	9.45	9.58	9.14
5	Civil	196210306094	Thacker Chintan Kantilal	9.44	9.85	9.13
6	Computer	196210307129	UMRANIA DHURUV VIJAY	9.43	9.35	9.28
7	Metallurgy	196210321001	Suyash Rai	9.40	10.00	8.72
8	Computer	196210307132	VANDIYAR DIVYA RAMESH	9.37	9.55	9.24
9	Civil	196210306016	DADGA BHAVIK NAVINBHAI	9.34	9.70	9.05
10	Electrical	196210309071	SINGH AJITKUMAR C.	9.23	9.21	9.24

Gymkhana Activities

Republic Day Celebration: The Republic Day was celebrated on 26th January with great enthusiasm and national spirit. It was celebrated by hoisting the National Flag followed by singing National anthem and patriotic songs. In this program **Shri N. V. Thaker** (I/C HOD Civil dept.) was honored as **Best Faculty of the Year** by principal. Security staff and family members of the staff also remained present.

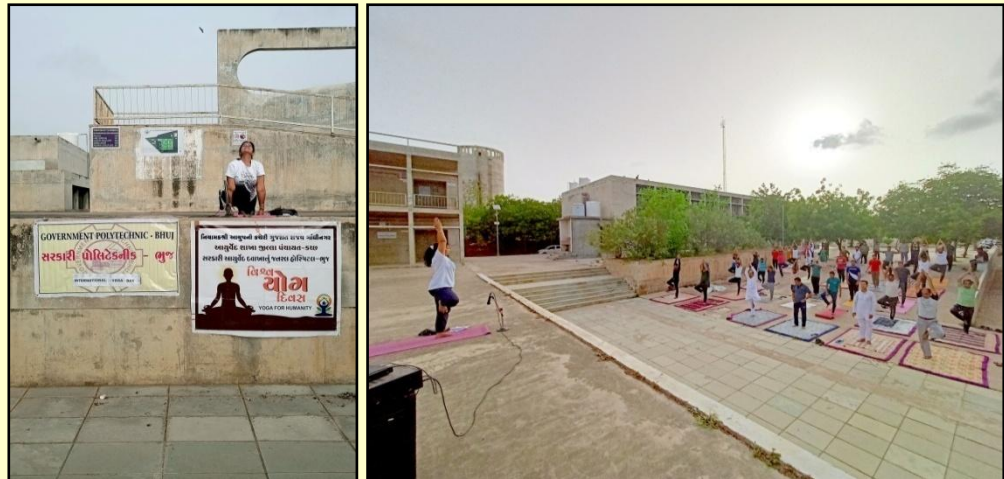


Sports Events: Government Polytechnic Bhuj organized a Sports Event from 7th April to 8th April 2022, in which various games such as Volleyball, Box-Cricket, Trusted way, Treasure Hunt, Music chair, Glass shooter, Tug-of-War, Ludo and Chess were played. Around 136 students from all departments participated in various sport events. On 8th April Final rounds of events and prize distribution ceremony were scheduled in which Trophies, Medals and Certificates were distributed to the winners of different sports events.



World Yoga Day celebration:

The 8th International Yoga Day was celebrated on 21st June 2022 in the college premises. The college staff performed the yogas under the guidance of Mrs. Darshna Pathak (Certified Yoga Trainer of Govt. of Gujarat).

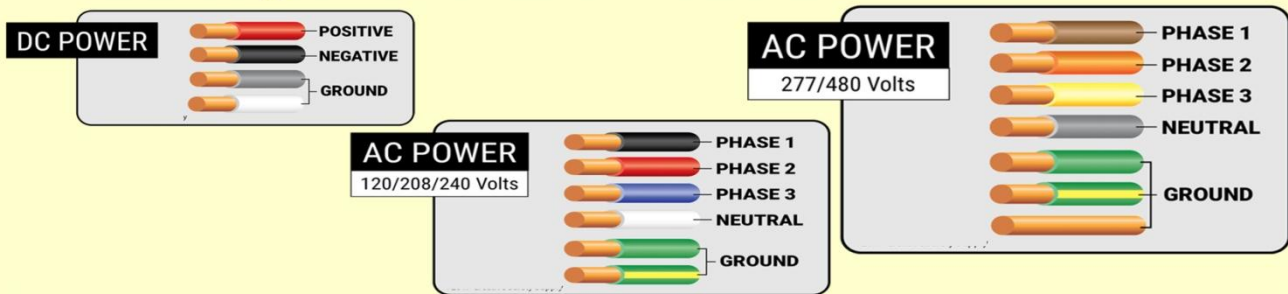


Safety First

This time, safety first includes discussion on electric wire color codes and its importance. These color codes exist to ensure that employees working with and around dangerous electrical equipment can work safely, effectively, and stay compliant with the National Electric Code.

In most facilities, electricity comes in at one point in the building and then it is distributed to just about every corner through a series of wires. While electricity is used constantly throughout the day without much thought, it has the potential to cause many issues and even impede work altogether if managed incorrectly. If the electrical system is not wired or labeled properly, it can result in injuries, deaths, fires, and many other problems. That is why it is said “with great power comes a great safety obligation!”

Utilizing Wire Color Code Chart Standards



		IEC Standard	US / Canada (for 120, 208, or 240 V)	US / Canada (for 277, or 480 V)	Australia/ New Zealand	India	China
Three Phase	Phase-1	Red	Black	Black	Red	Red	Yellow
	Phase-2	Black	Red	Red	White	Yellow	Green
	Phase-3	White	Blue	Yellow	Blue	Blue	Red
	Neutral	Blue	White	White	Black	Black	Black
Single Phase	Earth	Green	Green	Green	Green	Green	Green
	Line	Red	Black	Black	Red	Red	Yellow
	Neutral	Blue	White	White	Blue	Black	Black

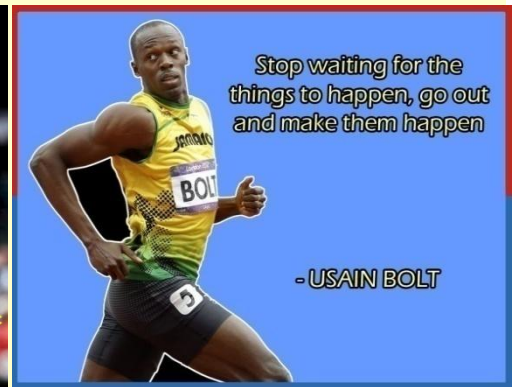
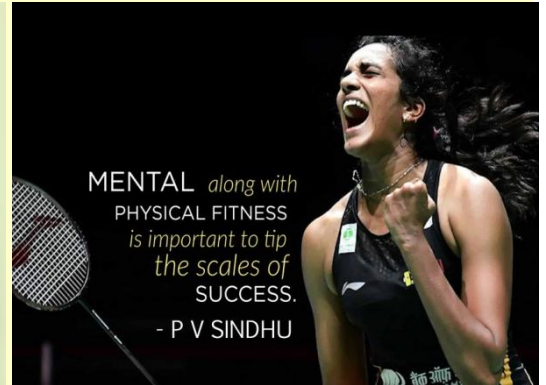
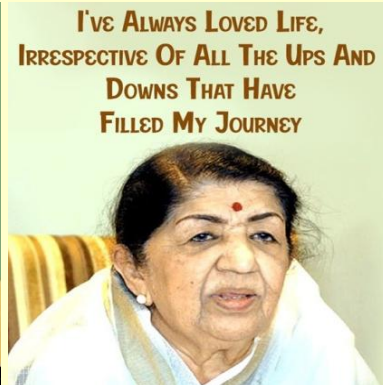
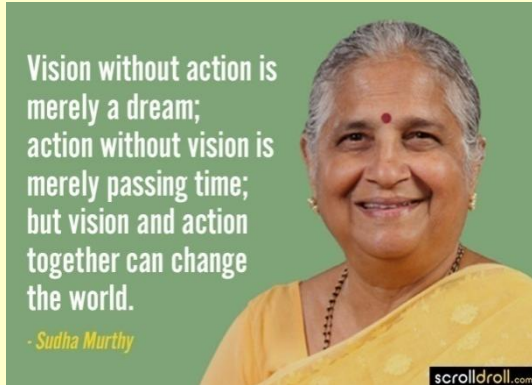
This poster is prepared by Electrical Engineering students named **Darji Harshkumar Sureshbhai** (206210309002) and **Patel Shivangkumar Yogeshbhai** (206210309006). **Mr. Harshadkumar Lad**, Lecturer in Electrical Engineering guided them for preparing the poster.

Gallery

Glimpses of NBA Visit



Inspirational Quotes



Newsletter Committee

NAME OF STUDENT	ENROLLMENT NO	BRANCH
JANI NANDANI TUSHARBHAI	206210307007	COMPUTER
VAGHELA DIGVIJAYSINH KANAKSINH	206210322010	MINING
MOHINI PANDEY	206210309004	ELECTRICAL
PARMAR MEET VINODBHAI	206210319001	MECHANICAL
THACKER POOJA MAYURBHAI	206210306009	CIVIL



Guided by

Dr. Dipam J. Joshi, Lecturer - English, General Department

Mr. Nikunj V. Thakar, HoD, Civil Department

