

Vol. 2, Issue – I, July - December 2021











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GOVERNMENT **POLYTECHNIC**

BHUJ



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 entrepreneurship.

Principal's Message

The new academic year offers new opportunities, new energy, new milestones and new challenges. I strongly believe that education is a collaborative effort that involves professional administrators, committed teachers and motivated students. We dedicate ourselves as professional administrators in creating a dynamic education programs empowering the students in a global perspective.



I am delighted to announce that three programs of Government Polytechnic,

Bhuj namely Computer Engineering, Electrical Engineering and Mechanical Engineering have applied for NBA (National Board of Accreditation) this year. The accreditation of NBA will offer a new perspective to identify opportunities and gaps as well as the path to develop strategies that maximize the student learning outcomes.

- R. J. Hathi



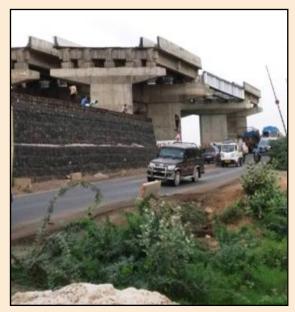


Civil Engineering Department

Activities by Department

Online Virtual Site Visit for 5th Semester students for Water Supply and Sanitary Engineering was organized by Mr. N. V. Thaker (HoD – Civil) during July – August, 2021 through YouTube videos. Waste Water Treatment plants of Vadodara, Jaipur etc. were shown to students along with explanation.





Online Virtual Site Visit for Bhujodi Flyover Bridge was organized for 5th Semester Student using Old Visit Reports for the subject Advanced Construction Technology by Mr. N. V. Thaker (HoD – Civil) in July-2021

Site Visit to Bhujodi Flyover Bridge was organized for 6th semester students as a part of their Final Year Project by N. V. Thaker (HoD – Civil) on 31-07-2021

The students of Civil Engineering attended Webinar on "Career Opportunities in Pre-Stress Concrete Technology" on Date: 07/08/21. The webinar was jointly organized by Civil and Mechanical Department of Government Polytechnic, Bhuj and Mr. Sandesh Naidu, Head - Vocational Business, L&T , India delivered an expert talk.



Site visit to Construction of Proposed Shopping Complex at Rajaram Road near G K General Hospital, Bhuj was organized on 11-08-2021 for students of 6th semester as a part of their Final Year Project, guided by R. L. Lalwani. This technical site visit was accompanied by N. V. Thaker (HoD – Civil) and B.V. Thacker (Lecturer in Civil Engg.) as experts.



A group of 8 students from final year were taken for **site visit** near **Trimandir Temple, Bhuj** on 26th September 2021. The visit was arranged for the Project. Students were guided by Ms. B. B. Sitapara, Lecturer in Civil Engineering.







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Oath ceremony on 'Rashtriya Ekta Divas' was organized at Civil Engineering Department of GP Bhuj as a tribute to India's beloved National Leader Late Shri Sardar Vallabhbhai Patel on his birth anniversary on 30-10-2021.



Government Polytechnic, Bhuj and Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj signed MOU for 'Education, Scientific & Research Cooperation'. This MOU is meant for the Cooperation in the domain of STEM (Science, Technology, Engineering and Mathematics). Basically it is done for the field of Environmental Engineering. The Representative from Government Polytechnic, Bhuj was Mr. B. V. Thacker, Lecturer in Civil Engineering. (November 2021)



Government Polytechnic, Bhuj and Katira Construction Co., Bhuj signed the Strategic MOU for arranging Site visits, Expert Lectures, Placement Support etc. for the benefit of Students of Civil Engineering Department. The Representative from Government Polytechnic, Bhuj was Mr. B. V. Thacker, Lecturer in Civil Engineering. (December 2021)

Computer Engineering Department

Activities by Department

Computer Department, Government Polytechnic, Bhuj organized an **expert session** on "**LogOut** - **The Cyber Awareness Campaign"** on 28th October, 2021 to spread cyber-Security awareness

Mr. Viral Parmar, cyber security consultant at **ComExpo Cyber Security** delivered an expert session on cyber security awareness.





Mr. Viral covered topics such as Types of Cyber Crime, Cyber Bullying and Harassment, Social Media Addiction, Cyber Fraud and Online Scams, Modus Operandi of Cyber Crime, Banking Financial Frauds, Safe Internet Surfing Tips, Cyber Laws, and Reporting Cyber Crime.

This expert session was organized in online mode using Microsoft teams and morethan 142 students were benefitted.







Electrical Engineering Department

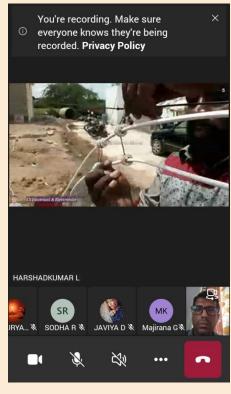
Activities by Department

An **expert lecture** was organized on 09th September 2021 for the 5th semester students of Electrical Engineering. The topic of the lecture was **"Estimation and Costing of Wiring Installations"**. It was delivered by **Mr. P. D. Solanki** (Asst. Prof. Electrical Engineering Department, **R. N. G. Patel Institute of**

Technology, Bardoli). 39 students took benefit from this lecture. It covered content like Drawing Installation plan wiring layout and wiring diagram, Calculation of load points and the total load on the installation, Selection and rating of cable/wire for the circuits, Selection of size and rating of main switch, sub-main switch, energy meter and distribution boards, Calculation of length of conduit/casing capping/batten etc.







Electrical Department organized two Virtual Industrial Visits for the students of 5th Semester through Microsoft TEAMS.

The First visit was organized by Ms. A. Y. Pandya (Lect. in Electrical Deptt.) on date: 04-09-2021 for DME Diesel & GE Shed, Gandhidham.

The second visit was organized by Mr. H. N. Lad and Mr. N. S. Patel (Both Lect. in Electrical Deptt.) for Installation of Domestic Wiring and Service Connection on date: 23-09-2021.

A total of 29 faculties and students of Electrical Department took part in the **Rendering of Rashtragan** under the **Celebration of Azadi ka Amrut Mahotsav**, the celebration of 75 years of Indian independence, on 06/08/2021.

A Poster Making / Painting Competition was also organized under the celebration of Azadi ka Amrut Mahotsav on date: 14-08-2021. One student took part in this competition. He sent three entries.

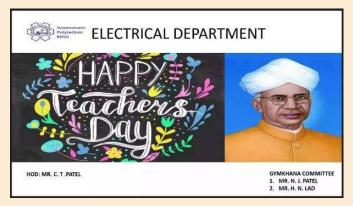












Electrical Department celebrated **Teacher's Day** virtually. Four students took on the role and duties of a teacher for online classes on this occasion. A total of 28 students and 7 faculty members took part in this program.

Road safety Awareness Program arranged on 06/09/2021. Head of Electrical Department Mr. Chirag T. Patel conducted a brief awareness lecture on the topic. Following this, the

department premiered a documentary film for the students to help increase their understanding of the meaning and goals of road safety. 17 students were benefitted from this program.

Swachhata Pakhwada – 2021 was observed during 01/09/2021 to 15/09/2021. A total of 10 activities were organized during this fortnight. The total number of participants in the Swachhata Pakhwada stood at 39.

Celebration of Khadi for Nation- Khadi for Fashion on 25/10/2021. All faculty members observed this day by wearing khadi apparel to office.







Orientation Program for 1st year students-2021 was organized by Electrical Department on 29/10/2021. This program was organized online via Microsoft Teams. The students were provided an overview of the course and given information regarding the college and department. Staff members resolved the students' and their guardians' queries and doubts regarding amenities and curriculum.

Celebration of Rashtriya
Ekta Divas on
30/10/2021. All faculty
members of Electrical
Department took oath of
unity in memory of Shree
Sardar Vallabhbhai Patel.







Mechanical Engineering Department

Activities by Department

A webinar on "Skill, Entrepreneurship Development and Employability: Challenges and opportunities" was delivered by Ms. Bhartiben Sodha, Cottage Industries Officer, District Industries Centre (DIC), Bhuj on date 03-08-2021. The lecture was coordinated by Mr. Valji Mohanbhai Gadhavi and Mr.Mayur Motilal Rana, Lecturer in Mechanical Engineering Department.



Mechanical Department Civil Department and jointly organized webinar on "Career opportunities in Pre-Concrete stress Technology" on date: 07-08-2021 in association with CADD Centre Training Services Pvt. Ltd. An expert lecture was delivered by Sandesh Mr. Naidu, Vocational Head. L&T. The Business, session was coordinated by Mr. Divyanshu Lokwani and Mr. Dipeshkumar M. Chauhan, Lecturer Mechanical Engineering Department.

An orientation program was conducted to welcome first semester students via online mode on 6th October, 2021. Mr. Divyanshu B. Lokwani and Mr. Dipeshkumar Chauhan coordinated all the necessary arrangements. Mr. Deven Pandya, Incharge HOD gave welcome speech and informed students about department Vision, Mission and Program Educational Objectives (PEOs) of the department. He also informed briefly about various activities of the department and institute to the students. Mr. Divyanshu Lokwani conducted an ice breaking activity for newly admitted students to build rapport among students.

Faculty Farewell: Mr. Jigar Vinodkumar Modi, has been relived from Mechanical Engineering Department, GP Bhuj as an Instructor – Grade B on 1st November, 2021 and joined ITI, Patan as a Supervisor Instructor. He has served for three years and eight month. He was In-charge of Carpentry Shop. During his service tenure he has worked hard and maintained various machines. He has performed his all duties at department and college level with high interest and dedication, especially in central store, GEM purchase, student cancelling etc. Let us wish him for bright future ahead.









Mining Engineering Department

Activities by Department



Mining Engineering Department of Government Polytechnic, Bhuj celebrated Indian Mining Day on 1st November, 2021 in association with Mining Engineer's Association of India (MEAI) Ahmedabad Chapter. An Online Technical Quiz was organized and 247 participants from all over India participated in it. The participants included not only students but also industry officials from leading industries of Gujarat and other states such as GMDC, Hindustan Copper Ltd., Sanghi Cement Ltd., BEAML Ltd., Odisha Mining Corporation, Hindalco Industries Ltd., etc. The e-certificates were given to all the successful participants. The event was organized by Shri S. G. Srivastay and Shri S. C. Dabhekar.

September 16 is designated by the United Nations as the International Day for the Preservation of the Ozone Layer. Mining Engineering Department arranged an Awareness Webinar on the Preservation of

the Ozone Layer. The webinar was arranged online on the MS Team platform on 16th September, 2021. In this webinar, students were informed about the depletion of the Ozone Layer and the possible solutions to preserve it. The animated demonstration about various layers around the earth and how such layers are helping mankind from various dangerous rays from the sun were shown to the students. The students were informed about substances which cause ozone depletion and sources of such chemicals from various industries were also discussed. The harmful effects of depletion of the ozone layer on human plants, marine ecosystem chemical cycles, and materials were also discussed. The event was organized by Mr. Sagar N. Heruvala, Lecturer in Mining Department. The webinar was attended by students and faculties of the Mining department.



General Department

Activities by Department





General Department celebrated **Swachhata Pakhwada** during 01/09/2021 to 15/09/2021 as per guidelines of Ministry of Education, Government of India. All the faculty members of General Department took **Oath** – **Swachhata Shapath** on date: 01/09/2021

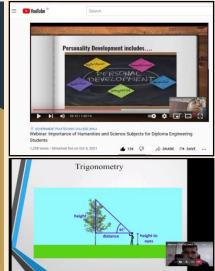






General Department organized an Orientation Webinar on "Importance of Humanities and Science Subjects for Diploma Engineering Students" for newly admitted students in the first semester on 4th October, 2021. Five experts from different institutes across Gujarat were invited online to deliver speech and show significance of the common subjects offered in the first and second semester of Diploma Engineering such as English, Maths, Physics, Chemistry and Personality Development. The live telecast of the webinar was made available on YouTube for all the students of Diploma Engineering across Gujarat. The live telecast of the Webinar received 1,238 views. This webinar was first of its kind for students of Diploma Engineering students in Gujarat.





Gymkhana Activity

Gyan Shakti Diwas: Gyan Shakti Diwas was organized on O1st August 2021 at Mukt Jeevan Swamibapa Mahila College, Bhuj. In this program, the Minister of State for Home Affairs inaugurated 210 development works worth Rs. 12.5 crore in Kutch district and distributed scholarships and tablets to students of different institutes of Kutch district. A total number of 52 faculty members of Government Polytechnic, Bhuj attended the program.



Azadi Ka Amrit Mahotsav-Celebration of India's 75 years of Independence: Government of India launched Azadi Ka Amrit Mahotsav to celebrate and commemorate 75 years of Independence. In this regard Government Polytechnic, Bhuj celebrated this Mahotsav by organizing different activities for students and staff in August and September 2021. The programs included Online Singing of Rastriya Gan, Poster Making and Online Quiz Competition.





ZEST

GPB NEWS LETTER

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The Independence Day was celebrated with great enthusiasm and patriotic fervor 15th August 2021 Government Polytechnic, Bhuj. The principal Mr. R. J. Hathi hoisted the national flag. Staff members as well as security personnel paid salute to national flag. National anthem as well as patriotic songs was sung.

On 30th October 2021, GP Bhuj organized **Oath Ceremony** in regards of **National Unity Day** which was celebrated in honour of **Shri Sardar Patel's Birth anniversary**. In this ceremony staff of all the departments took Oath of Unity by memorizing Shri Sardar Patel.







2nd. On December Institute 2021, the head and Departmental heads from Civil, Mechanical Electrical and Department visited Welspun Limited, Anjar on the invitation from the company for the discussion of the placement possibilities and MOU for future industry Academia linkage.







NCC Unit

The aim of the NCC is to develop discipline, character, brotherhood, the spirit of adventure and ideals of selfless service amongst young citizens. Not only these, it also aims to enlighten leadership qualities among the youth who will serve the Nation regardless of which career they choose. To achieve aim of NCC various camps are organized by NCC. This year **Combined Annual Camp** (CATC) was organized by **5 GUJARAT NAVAL UNIT NCC at Bhuj** during 9th September to 5th October 2021. In this camp 43 NCC cadets have taken active participation.

During the camp, cadets were taught pared training, rigging practical, weapon training, ship modeling, NBCD, anchor work, navigation chart, waterman ship training, cultural activities, sports,





poster making and shramdaan. Four cadets, Jethva Aditya, Kushwaha Rohit, Patel Pratham and Parmar Jayanti of Government Polytechnic Bhuj were selected for further selection in to RDC C amp and went to CATC Veraval. Out of them Patel Pratham was selected for

Pre RDC camp selection in pared competition and he got opportunity to attain CATC at GP HQ Jamnagar.

To assume the permanent charge of **Associate NCC officer (ANO)** Mr. J.C.Makani (LME) underwent three month of rigorous **Army Training at Officers Training Academy (OTA) Kamptee, Nagpur** -

Maharashtra. In this training around 250 professors and lecturers all over the country participated. During this training trainee officers were taught patriotism, importance of NCC, Activities of NCC, personality development, mental and physical wellbeing etc. He was awarded with Camp Commandant's Certificate of Appreciation for exemplary contribution in Theme Competition. After completion of this training Mr. J. C. Makani is commissioned as a Sub Lieutenant in Navy.



SPORTS

The Central Civil Services Cultural & Sports Board (CCSCSB) organizes All India Civil Services

Tournaments in various disciplines of sports in collaboration with States/UTs/RSBs every year. The CCSCSB is established in 1964 as the Central Secretariat Club. One of the objectives of the Board was promotion of sports and cultural activities amongst the government employees.











As a part of above tournament, Mr. Kanji Hamirbhai Siju, Lecturer in Mechanical Department participated in the in the selection process of Gujarat state Civil Service Games for Badminton during 23 - 25 August, 2021 and Lawn Tennis during 15-16 November, 2021 at Gandhinagar.

Divyanshu Bhagwandas Lokwani, **Mechanical Department** participated in the in the selection process of Gujarat State Civil Service Games for 100 m and 400 m running on 28th November, 2021 at Gandhinagar. He secured 2nd rank in 400 m and 3rd rank in 100 m running. He also completed virtually full marathon (42 km) in 4th edition of Adani Ahmedabad Marathon on 27th

November.

2021.

Ms. Jahanvi Thacker, Lecturer in Applied Mechanics Department participated in the selection process of Gujarat State Civil Service Games for Lawn Tennis in Women's Open category organized at Gandhinagar Gymkhana. She secured second position in the event and was selected to represent Gujarat Secretariat Team for the upcoming All India Civil Service Lawn Tennis Tournament.



Faculty Corner

Mr. Nishant J. Goswami, Lecturer in Computer Department has enrolled with Guiarat Technological University as Ph.D. research scholar and carrying out his research work on "FORTIFY ZERO TRUST ARCHITECTURE BY LEVERAGING **BLOCKCHAIN TECHNOLOGY"**



Mr. Kamal S. Manek. Lecturer in Computer has enrolled in M.E. Computer Engineering Government Engineering College, Modasa, affiliated GTU. He has secured First Rank in Institute with 8.78 SPL



Mr. Jiten M. Khodiyar, Lecturer in Electrical Department participated in the research study "Ascertain **Awareness Teachers** on Accreditation" conducted by NITTTR, Bhopal, during July-August, 2021.





Mr. Nirav J. Patel, Lecturer in Electrical Department acted as a "Reviewer" in the review process for Technical Papers presented at the 2021 IEEE PES/IAS Power Africa Conference held on 23-27 August, 2021.





Mining

Mr. Chirag V Thakor, Lecturer in Department was declared Topper with Elite + Certification Gold in online examination (conducted by **NPTEL**) for a 12-week course titled "Underground **Mining** Metalliferous Deposits" offered by Kharagpur during July-Oct 2021.





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Dr. Hiren D. Patel, Lecturer in Mathematics and



Dr. S. Visweswaran published a research paper entitled "The union of two graphs associated with the set of all non-zero annihilating ideals of commutative ring" in an of

'Gulf international Journal -Journal Mathematics' on 9th August 2021.

Dr. Maitri Vyas, Lecturer in English published a



'Ageing entitled paper Widowhood in Shashi Deshpande's Novels: A Selective Study' in a book - 'Trends in Contemporary Language, **Literature and Culture**' in July 2021.

Ms. Niketa P. Joshi, Lecturer in Physics, et al.



published her research paper -"Study on Elastic, Thermodynamic, and Optical Properties of Y2TI2O7 Pyrochlore Determined by a Semiat 300 K" in **Empirical Method** Asian Journal of Advances in

Research on 6th December, 2021.



Mr. Ashwin Oza, Lecturer in Mathematics delivered an online expert talk on 'Mathematical Reasoning and Aptitude' for GSET aspirants as a part of GSET Paper-1 Lecture series-2021 organized by Idar Anjana Patidar H. K. M. Arts & P.

N. Patel Commerce College, Idar on 14th November, 2021.

Institute Toppers (CGPA Wise)

Sr.	Branch	Enrollment no	Name of Student	CGPA	CPI	SPI
1	Mining	186210322022	RATHOD VIJAYSINH RAMSINH	9.7	9.2	9.6
2	Computer	186210307506	HATHI DEV RAJESHBHAI	9.7	9.4	10.0
3	Electrical	186210309110	TRIVEDI ISHAN NARESHKUMAR	9.7	9.5	10.0
4	Computer	186210307065	NURUN NISHA	9.7	9.3	9.4
5	Civil	186210306115	VARYA AAFTAB ABDULLATIF	9.6	9.2	10.0
6	Civil	186210306029	DUDIYA SHRUTI NIPUL	9.5	9.4	10.0
7	Computer	186210307034	JAYPAL DHIREN NAVIN	9.5	9.1	10.0
8	Civil	186210306119	VEKARIYA ARPITA MULJI	9.4	9.0	9.6
9	Computer	186210307011	BHUVA BHAVIK	9.3	9.1	10.0
10	Computer	186210307017	CHHATRAPALSINH ZALA	9.3	8.9	10.0

Polytechnic Adhyapak Mandal (PAM) - Local Unit

Mr. Rakesh Vaghasia, Lecturer in A. V. Parekh Technical Institute, Rajkot had long been in comma after treatment of Covid-19. Having come to know about his situation, many members of Local PAM - Bhuj voluntary donated to his family to meet expenses of his medical condition in August 2021.

Under PAM Savendna Scheme, PAM members of Bhuj contributed a total amount of Rs. 20,700/- for the family members of Late Chetankumar V.



Pandey, Lecturer in Mechanical Engineering Department, Government Polytechnic, Ahmedabad in September, 2021



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Safety First

Government Polytechnic, Bhuj is committed to provide a safe and healthy environment at campus. We strive to ensure the well-being of students, faculty members, technical personnel and staff through safe work practices at work place. GP Bhuj firmly believes that the responsibility for safety must be

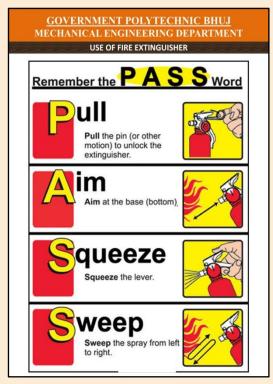
shared by all those involved in and out campus activities.

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Now, it is immense pleasure to announce that GP Bhuj newsletter "Zest" is starting a new column "Safety First", which aims to create awareness and sense of responsibility, educate and follow safe practices at work place among our readers. This column includes major areas related to equipment safety, electrical safety, machine safety, fire safety, gas cylinder safety, security operations, first aid and accident prevention. Faculty members and students are welcomed to contribute in the column "Safety First" with any information or illustration on safety.

This time, banner is presented which illustrates the operation and usage of the fire extinguisher available at our campus. It is prepared by final year Mechanical Engineering students named Dhaval Parmar, Jay Shekhani, Om Parmar and Tofik Makoda. Mr. Navneet K. Prajapati, Lecturer in Mechanical Department guided them for preparing the banner





Newsletter Committee

BRANCH	ENROLLMENT NO	NAME OF STUDENT
COMPUTER	186210307033	JANI PALAK AKSHAYBHAI
MINING	186210322002	RATHOD VIJAYSINH RAMSINH
ELECTRICAL	186210309110	TRIVEDI ISHAN NARESHKUMAR
MECHANICAL	186210319019	CHANDAN DEVAM DHARMESH
CIVIL	186210306068	PALA MEET RAJENDRABHAI



Guided by

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

Mr. Nikunj V. Thakar, HoD, Civil Department

