



Volume: 5, Issue : 2 Year: July - Dec. 2023

Institute Vision

“To be one of the leading institutes in developing dynamic technical professionals according to evolving industrial trends in national interest”

Institute Mission

- 1.To become a model institute for Outcome Based Education by adopting best practices and improving infrastructure.
2. To develop critical thinking, problem solving skills and interpersonal skills in students to overcome professional challenges by cultivating a proactive learning environment.
- 3.To impart affirmative traits and productive mindset to the students by exemplary mentoring.
- 4.To collaborate with industries to achieve employer focused learning by regular industrial visits, vocational training, expert lectures and providing consultancy services.
5. To develop responsible citizenship in students by promoting activities.

Department Vision

“To emerge as a recognized leader in developing technically proficient diploma engineers to serve nation ethically”

Department Mission

- 1.To enrich intellectual potential of students with value-based technical knowledge in pace with modern technology.
- 2.To cultivate learning skills and enable students to be dedicated professionals and leaders in exploring new era through industrial interactions

3.To inculcate ethical and professional values among students for a vibrant environment and society.

Program Education Objectives:-

- 1.Develops strong academic foundation for successful professional career in the diversified sectors of industry, government organizations, public sectors and multinational corporations and pursue higher education in electrical engineering and allied fields.
- 2.Acquires skill to excel in solving technical issues by deploying modern tools, ethically and responsibly, in benefit of society and environment.
- 3.Foster a confident and competent professional attitude as individuals and as team members in multidisciplinary projects through leadership capability in diverse fields.
- 4.Possess positive attitude towards lifelong learning, career enhancement and adopt new technologies required for established and startup companies

Program Specific Outcomes:

After successful completion of program, students will be able to apply the knowledge gained during the course of the program

- 1.Maintain various types of electrical equipment's and drives.
- 2.Maintain the operation of power system.
- 3.Undertake the electrification of commercial and multi storied buildings

Message from Head of Department



The Electrical Department at Government Polytechnic, Valsad has been active since its inception in 1965. The department of Electrical has well equipped Labs includes Electrical Circuits and Electrical Instrumentation Lab, Electronics Lab, Electrical machines Lab, Power system/Project Lab etc. The Laboratories are well equipped with Latest Experimental and Computational Facilities. The department organizes Guest Lectures, Faculty Development Programme, workshop and Seminars in Various Specialized field. The faculties of Department published their research work in Reputed National and International journals and Conferences. The department believes in the multidimensional growth of all students. Electrical department encourages students to participate in extra and co-curricular activities, sports and cultural fest etc... Industrial visits regular internships which assist the student in smooth transition from academic life to work life is regular feature of our department. I wish the students make best use of the ambience and work towards achieving excellence in the chosen field.

Industrial Visit

The Electrical Engineering Department has organized an industrial visit at **Great White Global Pvt.Ltd Valsad** for the 1st semester students on 28 July 2023. The Visit coordinated by Mr.M.B Gavit, Mr.N.C.Kumavat and Ms. A D Patel, The visit helped the students to gain knowledge of different switches and their manufacturing process etc. One MoU is done for Industrial visit, expert lecture, Industrial Training and Campus Placement.



The Electrical Engineering Department has organized a Visit at **District Science Centre, Dharampur** for the 1st semester students on 30 September 2023. The Visit coordinated by Mr.J.G.Pandit, Ms.N.A.Patel and Ms.D.C.Patel, The visit helped the students to gain basic knowledge of different principles of Science and Robotics.



The Electrical Engineering Department has organized an industrial visit at **Kakarapar Atomic Power Station(220MW)** for the 3rd semester students on 12 October 2023. The Visit coordinated by Mr.B.P.Golakiya and Mr.D.R.Shah. The visit helped the students to gain knowledge about the reactor construction parameters, working mechanism of plant, fuel cell charging, and nuclear material sources all over the world, heavy water, unused fuel cell and dummy reactor model with whole plant.



Expert Lecture

Expert lecture by Mr.C.J.Bhaidasna (Ex.Senior Section Engineer) on the “**Latest Trends in Electrical Traction and Control**” was held on 11 October 2023 in Room No: A-107 from 11:00 AM to 1:00 PM. The lecture was organized by Electrical Engineering department for students of 5th semester Diploma Electrical Engineering program. Experts from Electric Loco Shed, Western Railway, Valsad had conducted the session.

The Electrical Engineering Department has organized an industrial visit at **Lunar Motors Pvt.Ltd Valsad** for the 3rd semester students on 21 October 2023.The Visit coordinated by Mr. M.B.Ganvit and Mr. N.C.Kumavat.The visit helped the students to gain knowledge of Basic of DC Motor and their Parts.



The Electrical Engineering Department has organized an expert lecture on “**Selection and testing of Smart Switchgear**” by Jay Patel,Assistant Professor,AMT Institute of Computer Science and Technology UKA Tarsadiya University on 6th November 2023 in Room No A-110 from 11:00 to 12:00.

The Electrical Engineering Department has organized an industrial visit at **220KV Atul Substation-Valsad** for the 5th semester students on 2 November 2023.The Visit coordinated by Mr.H.C.Patel and Mr.H.N.Lad.The visit helped the students to gain knowledge of different Equipment of Substation and their importance.



Expert lecture by Mr. Alpesh R Mahyavanshi (LEE) on the “**Application of Software in Electrical Engineering**” was held on 23th October 2023 in Conference hall from 11:00 AM to 1:00 PM. The lecture was organized by Electrical Engineering department for students of 5th semester Diploma Electrical Engineering program. Experts from

Government Polytechnic, Dahod had conducted the session.



which was conducted by Diptimayee Swain (From Prakshal Infotech Private LTD). In which many topics were covered like..SWOT analysis, Leadership, How to work in team, Critical thinking, Interview skills, Group discussion etc.



Dakshin Gujarat Vij Company Limited (DGVCL) ,Valsad organized a Seminar on “ Energy Conservation” at our college for our diploma students. The Seminar was held on 12 December 2023 in Conference hall from 11:30 AM to 1:00 PM. Approx. 60 Students of Electrical Engineering Department benefited.



Student Corner

Finishing School Activities

Finishing School is an Employability Enhancement Initiative (KCG) of the Education Department, Government of Gujarat for imparting training on Skill development for students of Higher and Technical Education to make them Industry-ready.

With reference to above initiative Set A & C Topic– Life and Employability Skills for final Year students have been organized by our college from 09.10.2023 to 13.10.2023 & 16.10.2023 to 20.10.2023.

In which total 14 students of Electrical Engineering department has participated. The program was conducted through offline mode at our institute,

Special Achievement....

3rd semester Student **Mr. Krishna** and his team got 1st Rank in Robo Race in National Level Tech Fest Competition at Dr.S & S.S Gandhi Diploma College, Surat.



Kishan Prajapati, a final year student in the Electrical Engineering Department, was honored by Engineer's Association of Vapi for 1st Rank among all diploma Engineering colleges in Valsad District.



SemiconIndia 2023

The 'SemiconIndia 2023' is organised by India Semiconductor Mission in partnership with industry and industry associations under the visionary leadership of Hon'ble Prime Minister Shri Narendra Modi with the aim to make India a global hub for Semiconductor Design, Manufacturing and Technology Development which will help propel the vision of India Semiconductor Mission and Technology. 14 Students of Electrical Engineering Department along with 2 faculties Mr.Kaushal H Tandel and Mr.Dhaval R Shah visited the program on 30/07/2023.

Startup Conclave Exhibition

The institute participated in the Startup Conclave Exhibition organized by the Government of Gujarat held at Helipad Exhibition Centre, Gandhinagar on 7th December 2023. The institute displayed the 360 Hurricane Water Cooler & Smart Helmet a project prepared by the students of the Mechanical Engineering Department and Electrical Engineering Department respectively. The project received a very positive feedback from the participants.



New India Vibrant Hackathon -2023

To create and promote the innovation culture and develop the innovation ecosystem across affiliated colleges and universities under the Education Department of Gujarat, the Government of Gujarat organised "Smart Gujarat for New India Hackathon-2023". In which 12 students participated for three different problem with their innovative solutions on 4th Nov- 2024.

Faculty Achievement

Following faculties from Electrical Engineering Department had taken training on SWAYAM-NPTEL Platform, Co-ordinates by IIT Bombay and IIT Kanpur respectively from July-Oct 2023 and pass the exam for the same in November.

Sr.No	Name of Faculty	Name of Training	Result in %
1	Mr.Kaushal H Tandel	Yoga and Positive Psychology for Managing Career and Life	77
2	Mr.Naresh C Kumavat		61
3	Mr.Harshad N Lad		77
4	Mr.Bhavesh P Golakiya	Social Innovation in Industry 4.0	90

List of top three Student in GTU Summer 2023 Examination:

SR. NO.	RANK NO.	ENROLLMENT NO.	NAME OF STUDENT	SPI	SEM
1	1	206290309062	KISHAN PRAJAPATI	9.79	6
2	2	206290309004	PRAJAPATI HIREN NILESHBHAI	9.64	
3	3	206290309091	SURATI KEVANSHKUMAR Y	9.25	
4	1	216290309046	DHRUMIN ASHISHBHAI PATEL	8.89	4
5	2	216290309003	PATEL ROHANKUMAR JITENKUMAR	8.33	
6	3	216290309007	CHAUDHARI AMITKUMAR VIJAYBHAI	8.22	
7	1	226290309177	SINGH ASHISHKUMAR T	9.39	2
8	2	226290309054	MAURYA NITESH R	9.3	
9	3	226290309019	DESAI HARSHIL V	8.52	

List of the students selected in Campus interview Year - 2023

Sr. No	Enrollment No	Name of Student	Mobile No	Name of Company	Package
1	206290309055	Cris N Haldar	6355830906	AMNS, Hazira- Surat	186000
2	206290309024	Devendra Patil	9724409283	Indian Rayon, Veraval	300000
3	206290309033	Pandey Ramanand V	9510657380	Indian Rayon, Veraval	300000
4	206290309069	Kenil J Patel	9537687567	Reliance Industries Ltd, Jamnagar	350000
5	196290309099	Patel Smit R	7201863901	Subros Ltd, Ahmedabad	161000
6	206290309202	Tiwari Shivam A	9426119623	Subros Ltd, Ahmedabad	161000
7	206290309502	Sawant Devendra D.	8980737855	Subros Ltd, Ahmedabad	161000

Our Esteemed Recruiter



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Advisor

Smt Rinku R Shukla (Principal)
Government Polytechnic- Valsad
Mr.M.B.Gavit sir
Senior Lecturer
Electrical Engineering Department

Editor

Mr.B.P.Golakiya
Ms.M.P.Patel
Lecturer
Electrical Engineering Department

Newsletter Team

Enrollment No	Name of Student
216290309003	Patel Rohan J
216290309075	Varma Swapnil N
226290309179	Sodha Keyur S