



# Tech Chronicle 4

AVPTIans' Vision on Platter

E - Newsletter , July- December 2024



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# A.V.PAREKH TECHNICAL INSTITUTE

## About the Institute

Amrutlal Virpal Parekh Technical Institute, popularly known as AVPTI, was established in 1948 by a generous donor of that era Sheth Amrutlal Virpal Parekh. The courses like Wireless Telegraphy got introduced for the first time in this campus in the whole country. The institute has District Innovative Centre and SSIP Regional Centre for the Saurashtra and Kutch Region. The Institute shares its expertise with the engineers coming up with innovative ideas and upscales all the resources to convert their dreams into reality. Institute assists not only technically and financially but also supports the patent filing process. With all these consistent efforts and contribution, the institute has become an apple in the eyes of the society.

- • ----**NBA Accredited Courses** --- • ----
- -- **Computer Engineering** -- • -- **Electrical Engineering** -- •
  - -- **Bio-Medical Engineering** -- • --
  - -- **Computer Aided Costume Design & Dress Making** -- •

## Diploma Engineering Intake: Programme wise

Programmes	Sanctioned Intake
Biomedical Engineering	60
Computer Aided Costume Design & Dress Making	30
Computer Engineering	180
Electrical Engineering	150
Electronics & Communication Engineering	60
Instrumentation & Control Engineering	60
Information & Communication Technology	60
Renewable Energy Engineering	30

## Directorate of Technical Education Gandhinagar - Gujarat

### Vision

- ☞ To provide globally competitive technical education;
- ☞ Remove geographical imbalances and inconsistencies;
- ☞ Develop student friendly resources with a special focus on girls' education and support to weaker sections;
- ☞ Develop programs relevant to industry and create a vibrant pool of technical professionals.

## A.V.PAREKH TECHNICAL INSTITUTE

### Message from Principal's Desk

*"Education is the passport to the future, for tomorrow belongs to those who prepare for it today."  
– Malcolm X. The purpose of education is to replace an empty mind with an open one. Tell me and I forget. Teach me and I remember. Involve me and I learn.  
Benjamin Franklin.*

It involves monstrous joy to carry out pamphlet from one of the schooling pioneer organizations of Saurashtra Zone - AVPTI. In this bulletin prime exercises of the multitude of Branches of the Organization are featured.



The newsletter consolidates preparation of co-curricular and extra-curricular exercises, executed in the beyond a half year, similar to studios, workshops, master talks, modern visits, SSIP programs, workforce improvement programs, articles on latest things, etc to prepare the understudies as well as resources to get what it takes and skill according to the interest of the present situations.



# TECH CHRONICLE 4

(JULY 2024 – DECEMBER 2024)

**A.V. PAREKH TECHNICAL INSTITUTE**

## About Team

Co-ordinators

- R. D. Panchal (Electrical Dept.)
- A. K. Panchasara (Computer Dept.)

Editors

- D. S. Pathak (Computer Dept. )
- C.K. Vyas (Electrical Dept.)

Members

- R.B.Jani ( E.C. Dept. )
- A.B.Bhatt ( Bio-Medical Dept.)
- N. M. Khant ( C.A.C.D.D.M. Dept. )
- R.M.Pathak (I.C. Dept. )
- G.B.Harnesha (General Dept.)
- C.C.Shah (Electrical Dept. )



## A.V.PAREKH TECHNICAL INSTITUTE

### About Students' Team

Computer Engineering	<ul style="list-style-type: none"><li>• Muchara Mahek</li><li>• Pragati Leheru</li></ul>
Electrical Engineering	<ul style="list-style-type: none"><li>• Malakiya Rajendra</li><li>• Chavda Jimil</li></ul>
EC	<ul style="list-style-type: none"><li>• Buddhdev Prachi</li><li>• Gohel Anjali</li><li>• Parmar Param</li><li>• Siroja Arjun</li></ul>
Bio Medical	<ul style="list-style-type: none"><li>• Pipariya Dishangi</li><li>• Ghodadara Pratik</li></ul>
CACDDM	<ul style="list-style-type: none"><li>• Muliya Shreya</li><li>• Parmar Vishwa</li></ul>
IC	<ul style="list-style-type: none"><li>• Makwana Dharmesh</li><li>• Parmar Deep</li></ul>

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# CO-curricular Activity



## Computer Aided Costume Design & Dress Making

Event : Visit Gandhi Shilp Bazar

Event Coordinator : Dr. Nita B. Marsonia

12 Student Semester III of CACDDM deptt., A.V.P.T.I. Rajkot. Visited “ Gandhi Shilp Bazar, 150 ft ring road, opp/ Big bazar, Rajkot. On 01-10 -2024 , The part of ‘ [Fabric processing and care \(4335105\)](#)’ the visit was to impart the practical knowledge & relevant technical aspects of Handmade article prepared by artisans . Artisan demonstrate Various techniques like Batik, Tie and Dye, Block print, various embroidery, Pottery work etc.. This visit is useful to student for batter performance.

### **Major Outcomes of Event:**

**Gain knowledge beyond syllabus like** Batik, Tie and Dye, Block print, various embroidery, Pottery work.



# CO-curricular Activity



## Computer Aided Costume Design & Dress Making

Event : Industrial Visit

Event Coordinator: Dr. Sarangi Bhatt

The CACDDM Department had organized a visit to Samanvay Khadi Gram Udyog Anand Bungalow chowk, Rajkot ,on 18th October 2024 for the students of Semester V. The main objective behind the visit was to make the students aware about various equipment for apparel quality control. Experience the essence of Khadi, a fabric that represents India's rich heritage, self-reliance, and sustain experience the essence of Khadi, a fabric that represents India's rich heritage, self-reliance, and sustainability. The mall promotes locally sourced, eco-friendly, and handmade products that support nobility. They were guided by Manager who briefed the students about making process of khadi and process for apparel quality control.



# Extra Co-curricular Activity



## Computer Aided Costume Design & Dress Making

Event : Article Making Under 'Har Ghar Tiranga'

Event Coordinator : I/C HOD Arti Rathod

we are very excited the 78th Independence Day. share our filling for nation. 13 August 2024 CACDDM Department of AVPTI Rajkot arrange "Har Ghar Titanga" Article making event ,theme of National flag, 30 student of sem III & I participated . They have prepare verity of articles and showcase it, Dr. Nita B. Marsonia and Dr. Sarangi Bhatt Appreciated and guided all student.

### Major Outcomes of Event:

A sense of patriotic commitment to encourage students to contribute national development and participate in community development through creative activates. Also understanding the values of honesty, self-sacrifice and hard work.



Date: 23/07/2023

## COMPUTER ENGINEERING DEPARTMENT ORIENTATION PROGRAM

As per the GTU Induction Program guidelines, in presence of Institute Head, Shri P. P. Kotak sir and department head, Mr. M. B. Kalariya sir, an Orientation Program had been organized for Newly Admitted students of 1<sup>st</sup> year on 23<sup>rd</sup> July 2024 at Seminar Hall, Computer Department, AVPTI–Rajkot. One of the primary goals of Orientation is to help students and parents to be familiar with the College Environment, Course, Syllabus, Teaching Pattern, Examination, standards, Rules and Regulation of the Gujarat Technological University as well as Rules of College. Second year students volunteered and helped 1<sup>st</sup> year students to navigate through AVPTI campus and identify the many resources available at college. Students were introduced to Faculty, staff members of Computer Department as well as Class Mentors useful for their personal and academic success at College.

Shri P. P. Kotak sir guided and motivated the students for their future. Mr. M. B. Kalariya sir made students aware about important regulations of the college and threw light on various ongoing activities, women cell, SSIP and DIC center. Mr. Hiren Savaliya gave an informative presentation regarding College and GTU academic structure, GTU and college Fees structure as well as scholarship schemes. Ms. Shivangi Malli managed the overall outline of the programme. All Staff Members and 3<sup>rd</sup> semester Volunteer students gave feedback about their experience of the college and actively managed the arrangements and conduction of the program.





# Faculty Training



Computer Aided Costume Design & Dress Making

<b>SR .</b>	<b>NAME OF FACULTY</b>	<b>PROGRAM/ EVENT/TR AINING DETAILS</b>	<b>EVENT TYPE</b>	<b>ORGANIZED BY</b>	<b>START DATE</b>	<b>END DATE</b>	<b>DUR ATI ON</b>
1	A.R.Rathod	Industrial Training (Narmada Spinning Private Limited)	Industrial Training	Narmada Spinning Private Limited	24-Jun-24	13-Jul-24	3 week
2	Dr. Nita B. marsonia	Industrial Training (Narmada Spinning Private Limited)	Industrial Training	Narmada Spinning Private Limited	24-Jun-24	13-Jul-24	3 week
3	Dr.S.H.Bhatt	Industrial Training (Narmada Spinning Private Limited)	Industrial Training	Narmada Spinning Private Limited	1-Jul-24	20-Jul-24	3 week

# Co-curricular Activity

Bio Medical Department



## SpO2 & BMI INDEX EVENT FOR BIOMEDICAL STUDENTS

**Date:** 12-August-2024

**Venue:** Biomedical Department

SpO2 and BMI INDEX event is organized by biomedical department for biomedical students under guidance of Mr. D.C.Shreegod. organized SpO2 and BMI are important indicators of overall health, providing essential insights into respiratory and metabolic functions. SpO2 helps assess oxygen levels in the blood, crucial for monitoring respiratory conditions, while BMI helps evaluate body weight in relation to height, highlighting risks of obesity and related diseases. Both indices are frequently used in clinical settings, making them vital for healthcare monitoring and early detection of health issues. Understanding and monitoring SpO2 and BMI can significantly improve preventive healthcare and enhance diagnostic accuracy.



# Co-curricular Activity

EC Department



## 1. Expert session on Entrepreneurship.

An expert session on entrepreneurship was held on August 22, 2024, led by Mr. Kiran Parmar from Atmiya University. The session was specifically designed for final-year students of the EC and ICT programs, who greatly benefited from the initiative. Mr. Parmar provided valuable insights and raised awareness about the various aspects of entrepreneurship.



## 2. Expert Lecture on ROBOTICS and AUTOMATION

A session was organized on August 6, 2024, for final-year students, conducted by Radhe Virani and his team from the GTU Robotics Club. The lecture focused on guiding students on effectively utilizing the DIC and IDEALab (FABLAB) facilities. Additionally, they provided valuable insights into the grants available through GTU, enhancing awareness and opportunities for innovation.



**GTU ROBOTICS CLUB**  
**TEAM FORMATION 2024-25**

*Be a part of our innovative team and work on dynamic projects, compete in top-notch events, and gain hands-on experience. We're looking for talented individuals for various roles, from Project Managers to Engineers and more!*

DATE :- 06/08/2024  
TIME :- 1:30 PM  
VENUE :- Government Polytechnic, Ahmedabad Seminar hall

Register here :- 

<https://forms.gle/gxyNYX8BQvQcWNBz7>

In Association with

 gturoboconteam  
 @gturoboticsclub

Address :  
Academic block-2  
Gujarat Technological University,  
Chandkheda, Ahmedabad, 382424

 GTU ROBOTICS CLUB  
 GTU ROBOTICS CLUB



### 3. Expert Lecture on Cyber security

An expert lecture was held on August 6, 2024, for final-year students of the EC and ICT departments. The session was conducted by Mr. Parth Parmar, who shared valuable knowledge in the field of cybersecurity. He also conducted a practical session, demonstrating various types of hacking attacks and their implications in the cyber domain.



#### 4. Expert Lecture on Carrier opportunity in VLSI

An expert lecture was conducted on September 27, 2024, by Mr. Kevin Kansagra from Credence Designing. He highlighted the career opportunities available for EC and ICT students in the VLSI field, providing valuable insights and guidance for their professional growth.



#### 5. Semicon India

Semicon India 2024, a three-day conference, took place from September 11 to 13, 2024, in Greater Noida, Uttar Pradesh. Organized by the India Semiconductor Mission in collaboration with SEMI and various industry associations, the event focused on the theme "Shaping the Semiconductor Future." On September 11, our Honorable Prime Minister, Shri Narendra Modi, addressed the nation during the conference. The EC department arranged a live session for this address, with staff and students actively participating in the event.



## Industrial visit

An industrial visit was organized on September 25, 2024, for final-year students of the EC and ICT departments. The visit included Arohi Embedded Systems, Artronics Innovation, and Balaji Wafers Pvt. Ltd., where students gained valuable real-world insights into industry operations. This experience helped enhance their professional skills and understanding of practical applications. Faculty members Mr. B.S. Bhatt, Mr. R.R. Dudani, Mr. R.S. Tanna, and Ms. D.M. Kantaria accompanied the students during the visit, providing guidance and support.



# Extracurricular Activity

EC Department



## 1. "Tree Plantation"

"To be without trees would, in the most literal way, be without our roots"

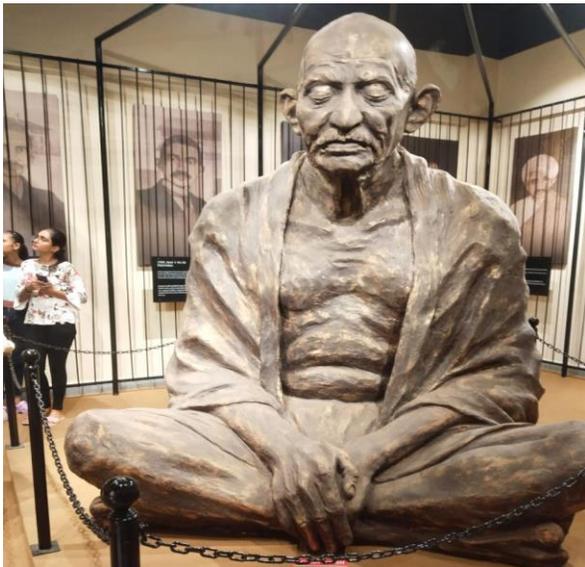
These words hold profound truth, as trees are essential to our existence. Embracing this philosophy, the EC department set an inspiring example of societal service by organizing a tree plantation drive on July 12, 2024. Many staff members, along with students, enthusiastically participated in this noble initiative. The entire team worked collaboratively, spreading a meaningful message of environmental responsibility



## 2. “Local Area visit to Mahatma Gandhi Museum”

As part of the Induction Week for first-year students of the EC and ICT branches, a local visit to the Gandhi Museum was organized on September 12, 2024, from 10:30 a.m. to 1:30 p.m. The visit aimed to acquaint students with the rich cultural and historical heritage of Rajkot City, with a particular focus on the life and principles of Mahatma Gandhi. It provided an excellent opportunity for students to learn about the Father of the Nation, his values, and the profound impact of his teachings on India's freedom struggle.

A total of 40 students from the EC and ICT branches participated in the visit, accompanied by faculty members S.T. Jhala, J.S. Asal, V.J. Sangtani, and R.B. Jani.



### 3. “Teacher’s Day celebration”

Teacher's Day is celebrated on September 5th to honor the birth anniversary of Dr. Sarvepalli Radhakrishnan, a former President, philosopher, scholar, and recipient of the Bharat Ratna. On this day, students express their gratitude and admiration for their teachers through greetings, messages, and gifts. The EC department celebrated Teacher's Day on September 5, 2024, with active participation from first-year EC students, who played a significant role in the festivities.



# Faculty Training

Electrical Engineering



## Co-curricular Activity : STTP organized by Electrical department

25/11/2024 to 29/11/2024

### Recent development in renewable energy for sustainable development.

1 week sttp was organized by Electrical department in association with ISTE. Many expert delivered recent topics and industrial visit was also arranged for E vehicle charging stations and solar roof top manufacturing unit. Training ignited minds of the participants for renewable energy sectors.





## A seminar on atmanirbhar bharat abhiyan

### Expert :Bhargav gokani dt 4/10/2024

our department hosted an insightful seminar for first-year students on the *Atmanirbhar Bharat Abhiyan* (Self-Reliant India Campaign), a groundbreaking initiative launched by Prime Minister Narendra Modi in 2020. The seminar aimed to provide students with a comprehensive understanding of this national campaign and its significance in shaping India's economic future.

The session was led by Professor Bhargav Gokani. He explained how the *Atmanirbhar Bharat Abhiyan* was designed as a response to these challenges, with a focus on reducing dependency on imports and promoting self-sufficiency across various sectors.

Understanding *Atmanirbhar Bharat* Concept

Stimulus Package and Reforms

Challenges and Opportunities

The seminar was a great success, providing first-year students with valuable insights into one of India's most ambitious economic initiatives. The session not only educated but also inspired students to think critically about India's future and their role in making the country self-reliant.



## Tree plantation in electrical department by students of electrical department 31/07/2024

In a commendable effort to contribute towards environmental conservation, students from our department



organized a successful Tree Plantation Drive 31/07/2024. This initiative, aimed at increasing green cover and raising awareness about environmental sustainability, was a collaborative effort between the Environmental Club and the College Administration.

The event started at 11:00 AM in the college campus, with students, faculty, and staff members coming together to plant a variety of trees, including shetur, sitafal, amrud, borsali, pentaforum, khakhri etc, known for their ecological benefits. Over 50 saplings were planted across different areas of the campus, including the

entrance pathways, and the green spaces surrounding academic buildings.



## Matrubhasha vandan on Matrubhasha divas

21/02/2024

The celebration commenced featuring speeches by faculty highlighting the significance of Matrubhasha Divas and emphasizing the importance of linguistic diversity. Students showcased their linguistic talents through performances such as songs, speech and poetry recitations in different Gujarati languages, reflecting their hold on the language.

Fun and engaging language quizzes were organized to test students' knowledge of Gujarati language, promote healthy competition, and incentivize language learning and participation.

The celebration helped raise awareness among students about the importance of preserving and promoting mother languages as a vital aspect of cultural heritage and identity.

The Matrubhasha Divas celebration at our college was a resounding success, reaffirming our commitment to promoting linguistic diversity, cultural understanding, and inclusive education.



## **Online Seminar on Fire safety and its installation 26/04/2024**

The seminar was conducted remotely via google meet , making it accessible to a wide range of students and faculties The seminar featured Mr Kevin Chothani in Sekura, an expert in the field of fire safety and engineering. Mr Chothani brought in their vast experience from working in both industrial and academic sectors, and highlighted key points on fire prevention and emergency preparedness. Key areas of his explanation for the students were:

- Safety, Health and Environment Basics
- Risk Assessment and Controls
- Fire and Emergency Management
- Electrical Safety



## International Yoga Day 21/06/2024

International Yoga Day, celebrated globally on June 21st every year, is a day dedicated to promoting the practice of yoga, its benefits, and its importance in leading a healthy and balanced life. The celebration aims to raise awareness about the holistic health benefits of yoga, which include physical, mental, and spiritual well-being.

In 2024, A V Parekh Technical Institute celebrated International Yoga Day at institute premises the event aimed to not only observe the day but also to deepen the understanding of yoga and its various practices in modern-day life.

Event was started with Surya namaskar then warmup exercise and asanas like vajras an, vrukshasan, Veebhadra asan and then followed by stretching and pranayama and concluded with 5 mins meditation and prayer.



### Project competition 16/02/2024

Students of 1<sup>st</sup> year electrical department prepared working model and projects based on Electrical applications. Competition was arranged for best concept based modeled project. Three projects were selected and awarded with certificate. Such project competition provides learning on both cognitive and psychomotor. It also builds team spirit. All faculties and principal of the institute reviewed and motivated students for their efforts.



# Extra-curricular Activity



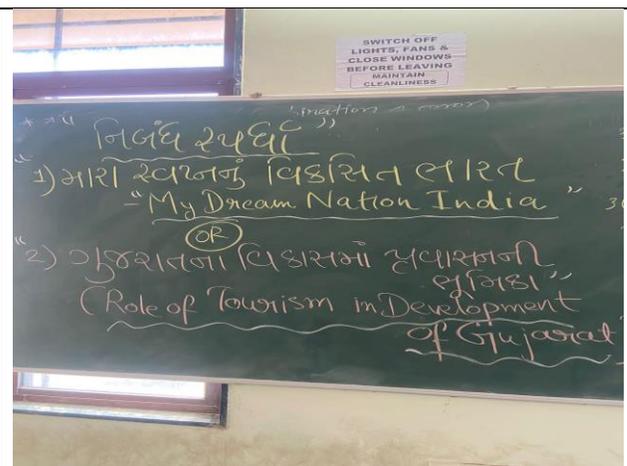
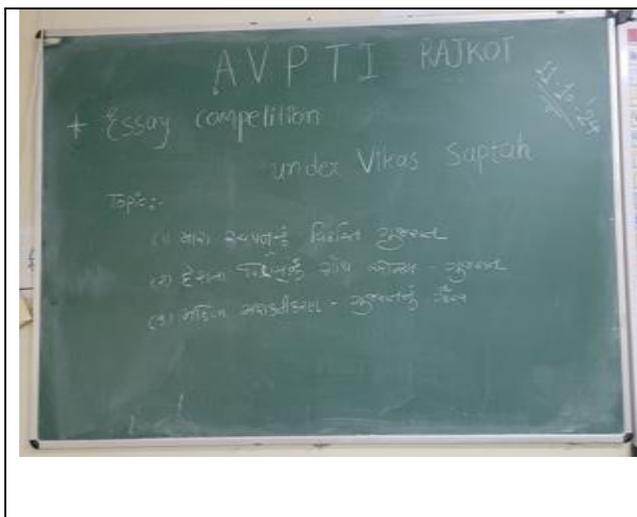
Bio Medical Department

## Essay writing competition under vikas saptah

**Date:** 11-October-2024

**Venue:** Biomedical Department

On 11 October 2024, an essay writing competition was organized by the Biomedical Department in various departments of A.V. Parekh Technical Institute as part of the Vikas Saptah celebration, aimed at promoting activities centered around development. The topics for the competition included "Mara Sapnanu Vikasit Gujarat" (My Dream for a Developed Gujarat), "Deshna Vikas Nu Growth Engine - Gujarat" (Gujarat: The Growth Engine of the Country), and "Mahila Shashktikaran" (Empowerment of Women). Essay competitions during Vikas Saptah play a crucial role in raising awareness about developmental initiatives and their positive impact. They also provide a platform for participants to develop critical thinking and creativity, while offering them an opportunity to engage with important issues related to progress and empowerment.





# Extra-curricular Activity

Bio Medical Department



## Presentation to improve soft skills

**Date:** 17-Septmber-2024

**Venue:** Biomedical Department

The Biomedical Department organized a presentation event aimed at enhancing the soft skills, communication skills, and confidence of its students. This initiative provided students with an opportunity to present on various biomedical topics, helping them improve their ability to articulate complex ideas clearly and effectively. By practicing public speaking and engaging with an audience, students were able to build their confidence and develop the skills needed to excel in professional settings. The event not only boosted students' presentation abilities but also encouraged them to think critically and express their ideas in a structured, confident manner, preparing them for future career challenges.



## Faculty Achievements Electrical Engineering Department

**2024-25**

<b>1</b>	R. D. PANCH	BOS CHAIRMAN ELECTRICAL
<b>2</b>	S. M. KANAN	Worked as a Verifier in GTU Curriculam Development for Course D. C. CIRCUIT of 1st sem of Electrical branch
<b>3</b>	S. M. KANAN	Worked as a Verifier in GTU Curriculam Development for Course A. C. CIRCUIT of 1st sem Electrical branch
<b>4</b>	S M PANDYA	WORKED AS A COMMITTEE MEMBER IN GTU CURRICULUM DEVELOPMENT COMMITTEE FOR COURSE "RENEWABLE POWER PLANT" OF 2ND SEM RENEWABLE ENERGY BRANCH
<b>5</b>	C K VYAS	Selected from 1,68,000 applicants Nationally to Present the Research Paper titled 'REVIEW ON CHALLENGES AND OPPORTUNITIES OF SHORE TO SHIP POWER SUPPLY AND ITS ENVIRONMENTAL IMPACTS' at SGT University, Gurugram, Haryana during National Conference organized by BHARTIYA SHIKSHAN MANDAL from 15th to 17th November, 2024
<b>6</b>	C K VYAS	Received the CERTIFICATE FOR RESEARCH PAPER AWARD in the National Research Paper Writing Competition under VISION FOR VIKSHIT BHARAT (VIVIBHA) 2024
<b>7</b>	C K VYAS	Participated in SHIPTEK INTERNATIONAL CONFERENCE 2024 on 9th of October, 2024 held at Mumbai with strategic partnership of Directorate General of Shipping, The Shipping Corporation of India and Mumbai Port Authority, Ministry of Ports, Shipping and Waterways, Government of India
<b>8</b>	C K VYAS	EXPERT TALK DELIVERED ON RENEWABLE OCEAN ENERGY AND ITS OPPORTUNITIES IN INDIA AT VIGYAN GURJARI ORGANIZED STUDENT INNOVATION FEST 2024 ON 7TH AUGUST 2024 AT GOVERNMENT POLYTECHNIC RAJKOT
<b>9</b>	C K VYAS	WORKED AS A COMMITTEE MEMBER IN GTU CURRICULUM DEVELOPMENT COMMITTEE FOR COURSE "ENERGY STORAGE" OF 6TH SEM RENEWABLE ENERGY BRANCH
<b>10</b>	K M HOTHII	WORKED AS A COMMITTEE MEMBER IN GTU CURRICULUM DEVELOPMENT COMMITTEE FOR COURSE "MICROCONTROLLER AND ITS APPLICATION" OF 6TH SEM RENEWABLE ENERGY BRANCH
<b>11</b>	R S ZAMPDA	WORKED AS A COMMITTEE MEMBER IN GTU CURRICULUM DEVELOPMENT COMMITTEE FOR COURSE "INSTALLATION MAINTENANCE AND MONITORING OF RENEWABLE ENERGY POWER PLANT" OF 6TH SEM RENEWABLE ENERGY BRANCH
<b>12</b>	M M MODI	Research Paper reviewed in IEI series B (Springer)

# FACULTY ACHIEVEMENTS



Congratulations to Mitul modi sir ( lect electrical) medal for publishing paper in Institutions of Engineers Journal Series B (Scopus Listed)



# FACULTY ACHIEVEMENTS



Achievement of AVPTI's Faculties Darshita Suryakantbhai Pathak Lecturer Computer Engineering Department and Chitrang Kamendu Vyas, Lecturer Electrical Engineering Department from AVPTI Rajkot presented individually authored research papers at SGT University, Gurugram, Haryana in National Conference VIVIBHA 2024 organized by Bhartiya Shikshan Mandal in the 3 days event during 15,16,17 November 2024. \*Thier individually authored research papers were selected out of more than 1,68,000 applicants across the Nation.



# Co-curricular Activity

Instrumentation & Control Department



## Industrial Visit to Santoshi Electro Engineering

1. **Organized by:** Instrumentation & Control Department, AVPTI
2. **Date of Visit:** 05-OCTOBER-2024
3. **SEM:** 5<sup>th</sup> (33 Students)
4. **Faculty Accompanied:** 1.D.B.Dhokiya 2. P.R.Thumar 3. M.S.Khokhar 4. R.M.Pathak

The industrial visit to Santoshi Electro Engineering was organized to provide practical exposure to students regarding the operations of an electrical and electronics manufacturing unit. **Santoshi Electro Engineering**, which specializes in the production of **Control Panels** and **Welding Robots**. This visit aimed to bridge the gap between theoretical learning and real-world industrial practices.

Santoshi Electro Engineering is a leading player in the automation sector, particularly in the design and development of custom control panels and robotic systems for industries that require precision and efficiency in manufacturing.





# Co-curricular Activity



Instrumentation & Control Engineering Department

## Industrial Visit to DIC, Rajkot

1. Organized by: Instrumentation & Control Department, AVPTI-Rajkot
2. Date of Visit: 21-Sept-2024
3. SEM: 5th SEM (33 Students)
4. Faculty Accompanied: 1. D.B.Dhokiya 2. J.N. Kothari 3. M.S.Khokhar

The industrial visit to the **Design & Innovation Center, Rajkot**, was organized to expose students to the latest developments in design thinking, prototyping, and innovation in various fields such as manufacturing, engineering, and product development. The center is known for nurturing creativity, offering a platform for startups, and being a hub for technological advancements in Rajkot.

The Design & Innovation Center is an initiative to foster innovation across different industries, focusing on creative solutions, industrial design, and promoting local entrepreneurship. It provides a conducive environment for engineers, designers, and innovators to collaborate, conceptualize, and execute ideas.





# Co-curricular Activity



Instrumentation & Control Engineering Department

Orientation Program for 1<sup>st</sup> Year Students

**Date of Event:** 22-July-2024

**Venue:** Instrumentation & Control Department, AVPTI, Rajkot

**Organized by:** Department of Instrumentation and Control Engineering

**Participants:** First-Year Students (Batch [2024])

**Chief Guest:** Principal, AVPTI

The Department of Instrumentation and Control Engineering at A.V. Parekh Technical Institute, Rajkot, organized an **Orientation Program** for the first-year students of the 2024 batch. The program aimed to introduce the new students to the academic culture of the institution, familiarize them with the curriculum, and provide an overview of the resources and opportunities available. This event marked the beginning of their journey toward becoming professional engineers and responsible citizens.





# Co-curricular Activity

Instrumentation & Control Department



## Expert Lecture on the field of Instrumentation & Automation

On 23-JULY-2024, the Department of Instrumentation and Control Engineering at A. V. Parekh Technical Institute, Rajkot, organized an expert lecture on the "Basics of Instrumentation & Automation." The lecture was aimed at providing foundational knowledge to students on the key concepts of instrumentation and automation, focusing on their fundamental roles in industrial applications. The session was led by Mrs Zeel Parikh, Director, TECHMATION CONSUTANCY, who provided valuable insights into the core principles of instrumentation and its integration with automation systems. students had the opportunity to engage with the speaker during the Q&A session. The session provided a strong foundation for students, helping them better understand the significance of these technologies in industrial settings.



# EXTRA-curricular Activity



Instrumentation & Control Department

## Quiz Competition on theme Climate Change & Environmental Balance

**Date:** 10-October-2024

**Venue:** Classroom 5 & 6, IC Department

**Organized by:** Instrumentation & Control Department, AVPTI, RAJKOT

As part of the **Vikas Saptah** celebrations, a quiz competition on **Climate Change and Environmental Balance** was organized on 10 October 2024. The event aimed to raise awareness among participants about the pressing issues of climate change, environmental sustainability, and the collective responsibility towards safeguarding our planet for future generations. The quiz saw enthusiastic participation from students of Semester 3<sup>rd</sup> & 5<sup>th</sup> of Instrumentation & Control Department. The participants demonstrated commendable knowledge and interest in the subject, making the competition highly engaging and educative. This event was part of the broader **Vikas Saptah** initiative, focusing on fostering community engagement and development through educational and awareness activities.



# EXTRA-curricular Activity

Instrumentation & Control Department



## Quiz Competition on theme Swachh Bharat Mission

The quiz competition on the Swachh Bharat Mission was organized on 30<sup>th</sup> September 2024 @1:00PM to 2:00 pm by Instrumentation & Control Engineering Department & NDLI CLUB AVPTI aiming to raise awareness about cleanliness, sanitation, and hygiene. The event was part of the broader efforts to support the goals of the Swachh Bharat Mission, a national initiative launched by the Government of India in 2014 to eliminate open defecation, improve solid waste management, and promote cleanliness in both urban and rural areas. The primary objective of the quiz competition was to engage students and participants in learning about the Swachh Bharat Mission, its objectives, and the role every citizen plays in maintaining cleanliness. The competition also intended to foster a sense of responsibility among participants to contribute to a cleaner and healthier India.



# EXTRA-curricular Activity

Instrumentation & Control Department



## Field Visit to Mahatma Gandhi Museum

**Date of Visit:** 2 August 2024

**Location:** Mahatma Gandhi Museum, Rajkot

**Organizer by:** Instrumentation & Control Department, AVPTI

**Participants:** 1<sup>st</sup> SEM Students

**Faculty Coordinator:** Mr. M.S. Khokhar

**Purpose of Visit:** To gain insights into the life, principles, and contributions of Mahatma Gandhi through an interactive and educational experience at the museum as part of Orientation program for newly admitted students.

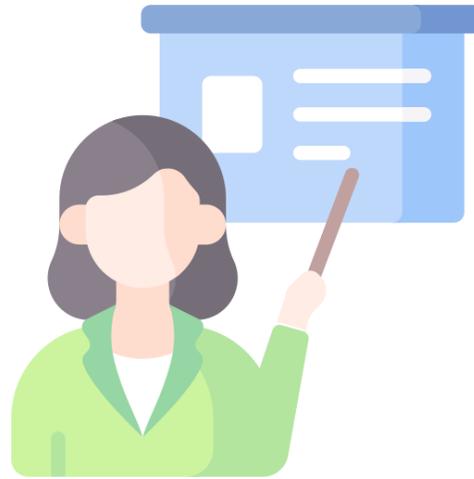
The Instrumentation and Control Engineering (IC) Department organized a field visit to the Mahatma Gandhi Museum in Rajkot to provide students with an opportunity to learn about Mahatma Gandhi's contributions to the nation and his philosophy of non-violence, truth, and self-reliance. This visit was designed to offer students an interactive learning experience, bridging historical knowledge with modern educational approaches.



# MoUs with Institute (34 Organizations)



B. T. Savani Kidney Hospital Rajkot	Satvik Institute of TB Chest And Disease	AV Biomed	Navrang Patola	Meet's Fashion	Happy Home Digital Media	Khushi Fashion Studio
New India Fashion (Hakoba)	Tirupati Enterprises	IANT Rajkot	Hoch Technology	Prominent Pixel	ICT	Students
Reliance Jio Infocom Ltd.	N konnect Info way Pvt Ltd	Possible Automation & Control System	Embicon Tech Hub	GTPL Pvt. Ltd.	G6 Superhomes	Prolific Automation System
Aarohi Embedded System	Ascent Engineers	J J PV Solar Pvt Ltd	Possible Automation & Control System	Tecsan Transformers	Kismat Engineering Works	Drives And Control System
Accura Electro Controls	Shriji Energy	Yadav Electric Service	Krishna Intruments	R C Engineer & Consultant	Krishna Enterprise	



# FACULTY ART

Instrumentation & Control Department



## Hues of Happiness

Art by Punam M. Soneji

Lecturer, IC department , AVPTI



Date: 23-07-2024

### COMPUTER ENGINEERING DEPARTMENT EVENT REPORT

<b>EVENT DATE &amp; TIME:</b>	INDUCTION PROGRAM FIRST YEAR STUDENTS, 22-07-2024 TO 03-08-2024
<b>EVENT TYPE:</b>	CURRICULAR ACTIVITY
<b>EVENT TITLE:</b>	INDUCTION PROGRAM FIRST YEAR STUDENTS
<b>EVENT VENUE:</b>	Seminar Hall, Computer Department
<b>EVENT CO-ORDINATORS:</b>	R. A. KADCHHA (Lec. CE), D. S. PATHAK (Lec. CE)

<b>NO. OF STUDENTS PARTICIPANTS (SEMESTER):</b>	<b>Sem-1 All Students</b>
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<b>ATTACHMENTS (Tick mark whatever applicable)</b>	
<b>SYLLABUS</b>	<b>YES</b>
<b>DAYWISE SCHEDULE</b>	<b>YES</b>
<b>SAMPLE REPORTS</b>	<b>YES</b>
<b>ATTENDANCE SHEET</b>	<b>YES</b>

<b>EVENT OUTCOMES</b>	<ul style="list-style-type: none"><li>• The 2 weeks Student Induction Program will help newly admitted students for the new stage in their life by facilitating a smooth transition from their home and school environment into the college and university environment through various discussions and activities before formal classes begin.</li><li>• In line with the thoughts expressed in the NEP 2020, the SIP consists of 9 modules – one on Universal Human Values, one on health, five on Indian Knowledge System (modules 4, 5, 7, 8 and 9) and two on skills (modules 3 and 6).</li><li>• The details of modules are mentioned in Syllabus Attached with this report</li></ul>
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# STUDENTS' ACHIEVEMENTS



પોઝિટીવ ન્યુઝ, ઈન્ફોર્મેટિવ ન્યુઝ  
**અખતક**  
સાંઘ્ય દૈનિક

## એવીપીટીઆઈની જીતનો ઉત્સાહ: સૌરાષ્ટ્ર ઝોન આંતર કોલેજ ક્રિકેટ ટુર્નામેન્ટમાં ચેમ્પિયન



### અખતક, રાજકોટ

ત્રણ ફેબ્રુઆરીથી સાત ફેબ્રુઆરી દરમિયાન બીએચ ગાર્ડ કોલેજ ખાતે જીટીયુ દ્વારા આયોજિત સૌરાષ્ટ્ર ઝોનની આંતર કોલેજ સીઝન ક્રિકેટ ટુર્નામેન્ટમાં એવીપીટીઆઈ રાજકોટ શાનદાર પ્રદર્શન કરી ચેમ્પિયનશિપ જીતી છે. આ ટુર્નામેન્ટમાં સૌરાષ્ટ્રની જીટીયુ સંલગ્ન વિવિધ ડિપાર્ટમેન્ટ - એન્જિનિયરિંગ કોલેજોએ ભાગ લીધો

હતો. એવીપીટીઆઈ રાજકોટ અને સરકારી પોલિટેકનિક જામનગર વચ્ચે રમાયેલી ફાઈનલ મેચ અત્યંત રોમાંચક રહી હતી. જેમાં એવીપીટીઆઈ રાજકોટ સરકારી પોલિટેકનિક જામનગરને ૬૫ રનોથી હરાવી વિજય મેળવ્યો હતો.

એવીપીટીઆઈની જીતમાં દેવાંગ નારણકા (૧૦ રન, ૪ વિકેટ), રુદ્ર રેવર (૪૫ રન), રુદ્ર વાળા (૨૭

રન), હર્ષ કામદાર (૨ વિકેટ) અને નીલ પંડ્યા (૨ વિકેટ)નું મહત્વનું યોગદાન રહ્યું હતું. દેવાંગ નારણકાને મેન ઓફ ધ મેચ અને મેન ઓફ ધ સિરીઝ જાહેર કરવામાં આવ્યા હતા. તેણે સમગ્ર ટુર્નામેન્ટમાં ૧૮૦ રન અને ૭ વિકેટ ઝડપી હતી.

આ ટુર્નામેન્ટ માટે એવી પીટીઆઈ રાજકોટની ટીમને અનીરુદ્ધ સિંહ જાડેજા તેમજ કોચ

હરેશભાઈ ભદ્રેશા દ્વારા કોચિંગ આપવામાં આવેલ હતું. કોલેજના સ્પોર્ટ્સ હેડ ડો. એચ. એચ. ભટ્ટ દ્વારા આપેલ સતત માર્ગદર્શન એ ટીમની જીતમાં મહત્વનું યોગદાન આપેલ હતું. ટીમ મેનેજર ડો. આર.એસ. તન્નાએ ટીમનું ઉત્કૃષ્ટ સંચાલન અને સંગઠન કરેલ. હિરેન સાવલિયા, એચ.જી. અગ્રાવત, પી.એન. જોશી, જે.બી. વાળા અને નીરજ ત્રિવેદીએ પણ ટીમને પ્રોત્સાહન પૂરું પાડ્યું હતું. ટીમની ભવ્ય જીત બદલ સંસ્થાના આચાર્ય ડો. પરેશ પી. કોટક અને સ્ટાફ મિત્રોએ સંસ્થા ખાતે ભવ્ય સ્વાગત કર્યું હતું. આચાર્ય અને સ્ટાફ મિત્રોએ ટીમને અભિનંદન પાઠવ્યા હતા અને આગામી જીટીયુ ઈન્ટર ઝોન ટુર્નામેન્ટમાં પણ આવી જ જીત હાંસલ કરે તેવી શુભકામનાઓ પાઠવી હતી.

**Computer engineering Sem 4 students Rudra Pankajbhai Viroja and Rudra Mashbhai Vaishnav have won 2nd rank in code debugging competition held at 5th National IT Fest Tech arena 2025 held at Christ college Rajkot**



1st Runner up in half hackathon 2025 organized by B.H.Gradi College Sem 4 Computer Department students Ladva hiten Parmar Manthanrajsinh Maradiya Dheyey Parmar dhaval Padaliya prince Congratulations to all 🌸

🌸🌸🌸 Congratulations 🌸🌸🌸

# Prayer

A. K. Panchasara Computer Engineering Department



## પ્રાર્થના

હે ઈશ્વર,

“મને મારા ભાગ્ય મુજબ કર્મ આપજે,  
હિંમતભેર ચાલી શકું તેવા ચરણ આપજે,  
હંમેશા કોઈનું સારું કરી શકું તેવું આચરણ આપજે,  
સદા મુખ પર સ્મિત અને હૈયે તારું સ્મરણ આપજે,  
થાકી હારી જાઉં ત્યારે તારું શરણ આપજે.”

હે ઈશ્વર, હે ભગવાન, તમારો ધન્યવાદ. તમે મને જીવન આપ્યું, મનુષ્ય અવતાર આપ્યો,  
એક સારો પરિવાર આપ્યો, હું તમારો રૂણી છું.

મારા માતા પિતાએ આ પૃથ્વી પર જન્મ આપ્યો, મારું પાલનપોષણ કર્યું, તેમનો આભાર.

મારા જીવનમાં તન-મન-ધન થી જે કાંઈ મદદ કરી, તેમનો આભાર.

મારા જીવનમાં એક નવી શરૂઆત થઈ રહી છે.

મારા સ્વાસ્થ્યમાં એક નવી શરૂઆત થઈ રહી છે.

હે પરમાત્મા, હું તમને પ્રાર્થના કરું છું કે સારા વિશ્વમાં શાંતિ થાય, બધાનું સ્વાસ્થ્ય દિન પ્રતિદિન  
સારું રહે.

હું, જે કાર્ય કરું તેને હૃદય પૂર્વક કરાવજો અને મારા દરેક કાર્યમાં મારી સાથે રહેજો.

હે પરમાત્મા, હૃદય પૂર્વક તમારો આભાર.

ઓમ શાંતિ... .. ઓમ શાંતિ... .. ઓમ શાંતિ... ..

**A.K.Panchasara  
Computer Engineering Department  
A.V.P.T.I Rajkot**

# Tech Chronicle 4

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