

INSTITUTE MAGAZINE 2023-24



SHRI SITARAM N PATEL INST. OF TECH. & RES. (SNPIT)

Bardoli, Umrakh (Vidyabharti Trust)


AFFILIATED WITH
GUJARAT TECHNOLOGICAL
UNIVERSITY
ACCREDITED WITH
A+ GRADE BY
NAAC

ACCREDITED BY
NBA
NATIONAL BOARD
OF ACCREDITATION
NEW DELHI

ACCREDITED PROGRAM
**B.E. MECHANICAL
ENGINEERING**
UP TO JUNE 2026



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 Vidyabharti Campus, At & Po Baben, Ta: Bardoli,
Dist: Surat, Gujarat, India, Pin: 394601



VIDYABHARTI TRUST INSTITUTIONS

(Managed By Vidyabharti Trust, Umrakh)

At & Po Baben, Ta : Bardoli, Dist : Surat, 394601

SHRI SITARAMBHAI NARANJI PATEL
INSTITUTE OF TECHNOLOGY
AND RESEARCH CENTRE, UMRAKH

B.E. / M.E.



SHREE NARANJIBHAI LALBHAI PATEL
COLLEGE OF PHARMACY,
UMRAKH

B.PHARM / M.PHARM



BHULABHAI VANMALIBHAI PATEL
INSTITUTE OF TECHNOLOGY

DIPLOMA ENGG.



VIDYABHARTI TRUST
COLLEGE OF
MASTER IN COMPUTER APPLICATION

MBA / MCA / M.SC (IT)



VIDYABHARTI TRUST COLLEGE OF
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AND RESEARCH

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SMT. P. N. PATEL
COLLEGE OF EDUCATION

B.ED



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NURSING

GNM / B.SC NURSING



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HOSPITAL



CIVIL MATERIAL TESTING CELL
&
ENVIRONMENTAL AUDIT CELL

N.A.B.L. ACCREDITED



CONTACT NO.
90 99 70 78 78



SHRI SITARAM N PATEL INST. OF TECH. & RES. (SNPIT)

Bardoli, Umrakh (Vidyabharti Trust)

ACCREDITED BY



NEW DELHI

AFFILIATED WITH
GUJARAT TECHNOLOGICAL UNIVERSITY



Only
DEGREE
ENGINEERING COLLEGE

of Bardoli with 100%
Government Approved (GTU)
teaching curriculum and policies



30+

Ph.D Faculty
& total **120+** Faculty



2000+

Students
Placed



20

Gold Medals
in 17 years



State of the Art
INFRASTRUCTURE
with cutting edge
Technology



in campus
HOSTEL
for Boys & Girls



100%

Scholarship
for ST / SC



Chemical
Engineering
Intake - 60



Civil
Engineering
Intake - 120



Computer
Science & Engg.
Intake - 120



Electrical
Engineering
Intake - 120



Information
Technology
Intake - 60



Mechanical
Engineering
Intake - 60

FOR ADMISSION

9099707878



Vidyabharti Campus, At & Po Baben,

Ta: Bardoli, Dist: Surat, Gujarat, India, Pin: 394601

Institute Vision

To be recognized as a peer technical and research institution by facilitating transformation of students into ethical citizens and competent technocrats to meet the growing technological and socio-economic needs.

Institute Mission

To provide high quality, innovative and competitive learning experience through creative balance of academic and extracurricular programs in collaboration with other academic and research institutions as well as government bodies.

1. Enable students to develop skills to solve complex technological problems of the current era through industry - academia interaction and mould themselves as future leaders.
2. To synergize the students, staff, society and industries by developing competency, employability, entrepreneurship and research skills.
3. To promote new ideas, research and consultancy services for industrial and societal needs.

Message From Hon. Managing Trustee Shri. Manharbhai L. Patel

It is with great pleasure that I reflect on the collective accomplishments that have shaped our institution's journey over the past year. Together, we have demonstrated resilience, adaptability, and innovation in the face of challenges, emerging stronger and more united than ever.

Our faculty members have continued to inspire and mentor our students, instilling in them a passion for learning and a commitment to excellence. Their dedication and expertise have been instrumental in maintaining the high standards of education that SNPIT is known for.

I extend my deepest appreciation to our students for their hard work, determination, and enthusiasm. Their active participation in various academic, extracurricular, and community service activities has enriched our campus life and contributed to our vibrant learning environment.

At SNPIT, we are not only focused on academic success but also on nurturing well-rounded individuals who are equipped with the skills and knowledge to make a positive impact in their chosen fields and beyond.

Our commitment to building strong partnerships with leading organizations has opened up new opportunities for our students and faculty alike. Through collaborative research projects, internships, and industry placements, we are preparing our graduates to meet the evolving demands of the global workforce.

As we look ahead, we remain steadfast in our mission to empower future generations of leaders and innovators. Together, we will continue to strive for excellence, embrace change, and make a difference in the world.

Thank you once again to everyone in the SNPIT family for your unwavering support and dedication. Your contributions are truly invaluable, and I am excited to see what we will achieve together in the years to come.

Message from the Secretary Shri. Kiritbhai N. Patel

In the spirit of continuous improvement, we are also committed to embracing innovation and adapting to the changing landscape of higher education. Through strategic initiatives and partnerships, we aim to stay at the forefront of educational trends and prepare our students for success in a rapidly evolving world.

As we reflect on our achievements, we also recognize the challenges that lie ahead. However, with the collective efforts of our academic community, I am confident that we will overcome these challenges and continue to reach new heights of excellence.

I extend my heartfelt gratitude to each member of our academic family for your dedication, passion, and tireless efforts in advancing our shared mission. Together, we will continue to inspire, innovate, and make a positive impact on the lives of our students and the communities we serve.

Thank you for your unwavering commitment to excellence, and I look forward to celebrating many more milestones and successes together in the future.

Message from the Co-Secretary Shri. Bharatbhai S. Patel

As we navigate through these pages, we celebrate not only our achievements but also the values that underpin our academic community – integrity, inclusivity, and a relentless pursuit of excellence. It is through these principles that we cultivate leaders, thinkers, and change makers who are equipped to address the complex challenges of our time.

Our institution is more than just a place of learning; it is the hub of innovation and discovery. From groundbreaking research projects to transformative educational initiatives, we are dedicated to pushing the boundaries of knowledge and empowering our students to become lifelong learners and critical thinkers.

I am immensely proud of the collaborative spirit that permeates every aspect of our institution. Whether it's through interdisciplinary research collaborations, student-led initiatives, or partnerships with industry and community organizations, we are constantly seeking new ways to make a positive impact on society.

As we reflect on the past year, we acknowledge the resilience and adaptability that have been essential in navigating the unprecedented challenges we have faced. Despite the obstacles, our academic community has remained steadfast in its commitment to academic excellence, student success, and the greater good.

Looking forward, we are filled with optimism and excitement for the future. With the continued dedication and support of our faculty, staff, students, alumni, and partners, I am confident that SNPIT will continue to thrive as a beacon of knowledge, innovation, and social responsibility.

Thank you to everyone who has contributed to our success and who continues to champion our mission. Together, we will continue to inspire, innovate, and make a difference in the lives of individuals and communities around the world.

Message from office Superintendent Mr. Savan B. Patel

In addition to our administrative responsibilities, we recognize the importance of fostering a culture of inclusivity and support within our academic family. By valuing diversity and embracing different perspectives, we create a welcoming and supportive environment where every member feels respected and empowered to contribute their unique talents and ideas.

I am continuously impressed by the creativity and innovation that our administrative team brings to their roles. From implementing new technologies to streamlining procedures, your proactive approach helps us stay agile and responsive to the evolving needs of our community.

As we strive for continuous improvement, I am committed to providing opportunities for professional development and growth. Whether through training programs, mentorship initiatives, or leadership opportunities, we are invested in helping each member of our team reach their full potential.

I am grateful for the dedication and hard work of our administrative staff, whose behind-the-scenes efforts are instrumental in supporting the academic mission of our institution. Your tireless commitment to excellence ensures that our faculty and students can focus on their work and achieve their goals.

Together, we are shaping the future of our institution and making a positive impact on the lives of those we serve. I am proud to be part of such a dedicated and talented team, and I look forward to the continued success and growth of our academic community.

Thank you for your unwavering dedication and contributions to our shared mission. Your efforts are truly appreciated, and I am confident that together, we will continue to achieve great things.

Board of Management

Sr. No.	Name	Designation
1	Shri. Manharbhai L. Patel	Chairman & Managing Trustee
2	Shri. Kiritbhai N. Patel	Secretary
3	Shri. Bharatbhai S. Patel	Co-Secretary
4	Shri. Hasmukhbhai T. Patel	Member
5	Shri. Harshadbhai S. Patel	Member
6	Shri. Mahendrabhai S. Patel	Member
7	Shri. Hiteshbhai K. Patel	Member
8	Shri. Mahendrabhai N. Patel	Member
9	Shri. Hemantbhai M. Patel	Member

Message from the Principal Dr. Piyush S. Jain

S. N. Patel Institute of Technology & Research Centre is a self-financed technical institute offering UG and PG level courses. It was established in 2008 and managed by Vidyabharti Trust. The institute is affiliated with Gujarat Technological University (GTU) and recognized by AICTE. The institute, in all its aspects, is an ideal place where students interact with faculties in the creation of new knowledge & enhance the quality of life.

Our institute is not just a place of education; it is a community that values collaboration, diversity, and inclusivity. We strive to instil in our students not only the technical prowess required for their chosen fields but also the ethical and leadership qualities that will make them responsible contributors to the global community. In our relentless pursuit of academic excellence, our institute has continued to thrive as a hub of innovation, knowledge, and skill development. Our dedicated faculty, dynamic students, and supportive community have played pivotal roles in shaping the vibrant learning environment that defines our institution.



Message from the Vice Principal Dr. Miral R. Thakker

Looking forward, we are dedicated to building upon the foundation of success we have established. By embracing innovation, fostering collaboration, and promoting inclusivity, we will continue to adapt and thrive in the face of new challenges and opportunities.

Our commitment to academic excellence extends beyond the walls of our institution. We are actively engaged in initiatives that promote social responsibility, sustainability, and ethical leadership, ensuring that our impact reaches far beyond the classroom.

I am deeply grateful to each member of our academic family for your unwavering dedication and passion. Your tireless efforts are the driving force behind our continued success, and I am inspired by the remarkable contributions you make to our community every day.

As we embark on the next chapter of our journey, let us remain steadfast in our commitment to excellence, innovation, and the pursuit of knowledge. Together, we will continue to push the boundaries of what is possible and make a positive impact on the world around us.

Thank you for your continued support, and I look forward to celebrating many more achievements and milestones together in the years to come.



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Institute's Profile

For over three decades, Vidyabharti Trust has been a prominent name synonymous with education, situated near Bardoli in the Surat district. This esteemed trust has evolved into a beacon of quality education, dedicated to nurturing the talent and aspirations of the bright youth of our nation.

Under the stewardship of Vidyabharti Trust, the S. N. Patel Institute of Technology & Research Centre (Degree College) has emerged as a premier institution. Approved by the All-India Council for Technical Education (AICTE), New Delhi, and affiliated with Gujarat Technological University (GTU), Ahmedabad, Gujarat, the institute is committed to imparting technical education of the highest standards.

The institution, as managed by Vidyabharti Trust, offers a diverse range of courses aimed at providing comprehensive technical education. With accreditation from AICTE and affiliated with GTU, students at the S. N. Patel Institute of Technology & Research Centre are assured of receiving education that meets national and international standards. Additionally, we are proud to announce that our mechanical engineering course has received accreditation till 30th June, 2026, further solidifying our commitment to excellence in education.

This educational hub serves as a platform where the aspirations and talents of the youth are nurtured, preparing them to meet the challenges of a dynamic world. Vidyabharti Trust's commitment to quality education has positioned the institute as a symbol of academic excellence in the region.

As we look towards the future, the Vidyabharti Trust and its associated institutions, including the S. N. Patel Institute of Technology & Research Centre, remain steadfast in their dedication to shaping the future leaders and innovators of our nation. Through a blend of tradition and innovation, the trust continues to contribute significantly to the educational landscape in the region and beyond.



Under Graduation Course:

1. Chemical Engineering (Intake 60)
2. Civil Engineering (Intake 120)
3. Computer Science & Engineering (Intake 120)
4. Electrical Engineering (Intake 120)
5. Information Technology (Intake 60)
6. Mechanical Engineering (Intake 60) (accredited till June 30, 2026)

Post-Graduation Course:

7. M.E. (Civil - Construction Engineering & Management) (Intake 18)
8. M.E. (Mechanical - Production Engineering) (Intake 24)

Institute's Recognition

NBA Accreditation: A Testament to Our Commitment to Academic Excellence

The BE Mechanical Degree Engineering Program of our institute has been accredited by NBA for the academic years 2023-24 to 2025-26, i.e., up to 30/06/2026. This accreditation is a testament to our commitment to academic excellence and adherence to the highest quality standards in engineering education. We look forward to providing an outstanding learning experience for our students during this period.



Accredited Mechanical Engineering Program at SNPIT

Unlock the potential of a premier engineering education with our NBA-accredited degree program. Our commitment to excellence is endorsed by the National Board of Accreditation (NBA), a testament to the high standards and quality of our curriculum. This accreditation affirms that our engineering program aligns with industry benchmarks, ensuring that graduates are well-prepared for the dynamic challenges of their future careers. Join us to be part of an institution recognized nationally for its commitment to fostering innovation and expertise in engineering. The NBA seal

on our degree signifies not only a mark of quality but also a passport to opportunities in a competitive job market. Elevate your academic journey with us and experience the unparalleled advantages of an NBA-accredited engineering course. Choose excellence, choose a future shaped by cutting-edge education and industry recognition. Your success begins with a program that meets and exceeds the rigorous standards set by the NBA, setting you apart in the field of engineering. Enrol now and become part of a community dedicated to shaping the engineers of tomorrow through an NBA-accredited pathway to success.

Spectacular Triumph: SNPIT Umrakh Secures Three Gold Medals in 2023-24, Celebrating Over a Decade of Outstanding Achievements



SNPIT's 20 Gold Medallists

SNPIT Umrakh achieved a historic milestone in the academic year 2023-24 by securing three coveted university gold medals. This remarkable accomplishment is underscored by its significance, as it marks 12 years since the inaugural batch graduated in 2012. Throughout this period, spanning 12 pass-out batches, the institution has produced an impressive tally of 20 gold medallists, reflecting its consistent commitment to academic excellence.



**SHRI SITARAM N PATEL INST. OF TECH. & RES.
(SNPIT)**
Bardoli, Umrakh (Vidhyabharti Trust)

TRIUMPH IN EXCELLENCE
CELEBRATING THE GOLDEN SUCCESS OF OUR STUDENTS AT GTU CONVOCATION 2024





RUSHI B. PATEL
CPI 9.65
ME
(Construction Engg. & Management)
Branch Topper, Gold Medalist

RONAK A. MEHTA
CPI 8.79
ME
(Production Engineering)
Branch Topper, Gold Medalist

VIKASH V. SHAH
SPI : 10 CPI : 9.59 CGPA : 9.62
BE
(Chemical Engineering)
Branch Topper , Gold medalist.

"SNPIT GLORY: SHINING BRIGHT WITH GOLD MEDALISTS – PIONEERS OF EXCELLENCE!"
3 GOLD MEDALISTS IN A SINGLE YEAR 2023

SNPIT's 3 Gold Medallists of 2023

The three gold medals in the recent academic year stand as a testament to SNPIT Umrakh's unwavering dedication to nurturing top-tier talent and fostering a culture of scholarly achievement. This achievement not only symbolizes individual brilliance but also underscores the enduring legacy of academic distinction that the institution has cultivated over the years. As SNPIT Umrakh continues to make strides in education, this milestone serves as an inspiring benchmark for future generations of students and a proud reflection of the institution's commitment to shaping academic leaders.

We are delighted to share the news that three outstanding students have emerged as branch toppers and will be honoured with Gold Medals by GTU during the upcoming convocation. These exceptional students include Shah Vikash from the BE Chemical program, Patel Rushi and Mehta Ronak from the ME program.































SNPIT's Hat Trick of Gold Medals in 2023: A Testament to Academic Excellence

SNPIT takes great pride in achieving a hat trick of gold medals in the year 2023, showcasing the dedication and academic excellence of our students. This remarkable feat underscores the commitment and hard work invested by our academic community, solidifying our institution's reputation for excellence. The three gold medals not only symbolize individual achievement but also contribute significantly to the overall success of SNPIT. This accomplishment stands as a testament to the enduring commitment to academic brilliance that defines our institution. As we celebrate this achievement, it reinforces our position as a centre for educational excellence and sets a high standard for future success.

Faculty Assets of Our Institute

Our institute boasts an impressive array of faculty assets, with a multitude of accomplished individuals holding the esteemed Doctor of Philosophy (Ph.D.) degree in their respective fields.

 Dr. Piyush S. Jain Ph.D. (Mechanical) 24+ Years Exp.	 Dr. Miral R. Thakker Ph.D. (Chemical) 12+ Years Exp.	 Dr. Md. Salman R. Bombaywala Ph.D. (E.C.) 14+ Years Exp.	 Dr. Chirag A. Naik Ph.D. (Electrical) 15+ Years Exp.	 Dr. Arif M. Varsi Ph.D. (Mechanical) 15+ Years Exp.
 Dr. Mansi N. Zaveri Ph.D. (Maths) 14+ Years Exp.	 Dr. Jaydeepsinh M. Barad Ph.D. (Chemical) 25+ Years Exp.	 Dr. Shakil A. Kagzi Ph.D. (Mechanical) 7+ Years Exp.	 Dr. Ravish H. Hirpara Ph.D. (Electrical) 14+ Years Exp.	 Dr. Chandra Bhushan T. Pal Ph.D. (Chem.) 12+ Years Exp.
 Dr. Yazad Jabbar Ph.D. (Civil) 8+ Years Exp.	 Dr. Hitesh S. Jariwala Ph.D. (Mechanical) 18+ Years Exp.	 Dr. Nilesh S. Dumore Ph.D. (Chemical) 7+ Years Exp.	 Dr. Bankim R. Joshi Ph.D. (Civil) 23+ Years Exp.	 Dr. Rutal S. Mahajan Ph.D. (CSE) 12+ Years Exp.
 Dr. Madhumita P. Ghosh Ph.D. (Maths) 1+ Years Exp.	 Dr. Khyati J. Patel Ph.D. (Maths) 15+ Years Exp.	 Dr. Jigar P. Variyavwala Ph.D. (Civil) 6+ Years Exp.	 Dr. Dhaval M. Patel Ph.D. (Civil) 2+ Years Exp.	 Prof. Neetu B. Yadav Ph.D. Pursuing (Civil) 13+ Years Exp.
 Prof. Keyur P. Shah Ph.D. Pursuing (Civil) 12+ Years Exp.	 Prof. Vishal Z. Dhimmarr Ph.D. Pursuing (Mech.) 12+ Years Exp.	 Prof. Priyank P. Dave Ph.D. Pursuing (Mech.) 11+ Years Exp.	 Prof. Pratap K. Chaini Ph.D. Pursuing (Ele.) 20+ Years Exp.	 Prof. Bhavesh D. Patel Ph.D. Pursuing (Civil) 12+ Years Exp.
 Prof. Milan R. Patel Ph.D. Pursuing (Mech.) 19+ Years Exp.	 Prof. Jagruti R. Boda Ph.D. Pursuing (CSE) 4+ Years Exp.	 Prof. Viral M. Prajapati Ph.D. Pursuing (CSE) 10+ Years Exp.	 Prof. Jignesh A. Parmar Ph.D. Pursuing (Chemical) 6+ Years Exp.	 Prof. Riya B. Patel Ph.D. Pursuing (Chemical) 2+ Years Exp.
 Prof. Brijesh D. Parmar Ph.D. Pursuing (Ele.) 21+ Years Exp.	<p>BEST FACULTY... BEST RESULTS ... BEST PLACEMENTS.</p>			

Faculty Assets at SNPIT: Strengthening the Academic Core

These faculty members bring a wealth of knowledge, expertise, and a commitment to academic excellence to our educational environment. The attainment of Ph.D. qualifications by our faculty underscores our dedication to scholarly achievement and research-led education.

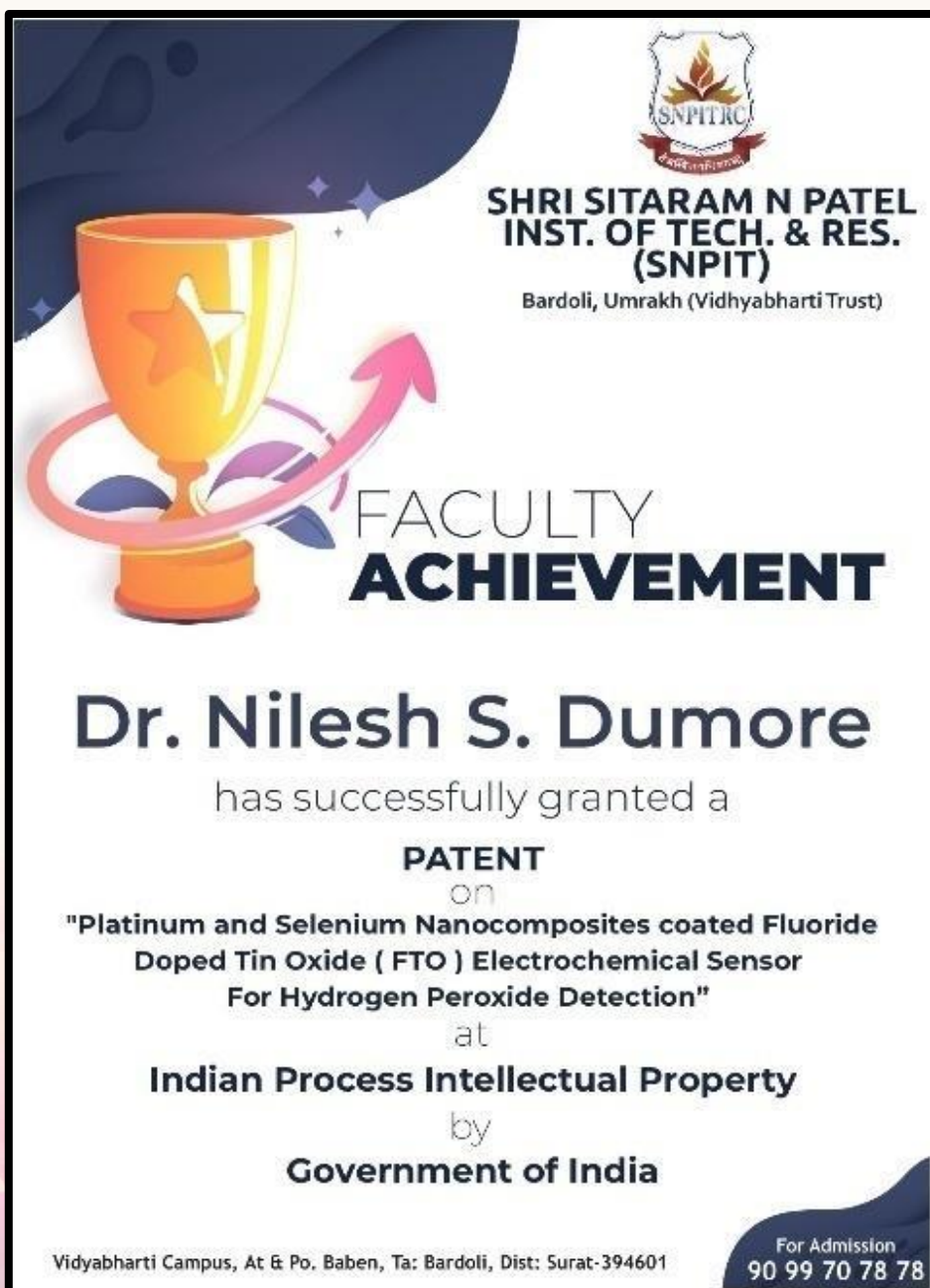
Their advanced degrees not only signify a deep understanding of their disciplines but also reflect a commitment to continuous learning and intellectual growth. These accomplished individuals serve as mentors, guiding students towards academic success and instilling a passion for inquiry and innovation.

With a diverse range of Ph.D.-qualified faculty, our institution creates a dynamic learning environment where cutting-edge research and real-world insights converge. This wealth of academic expertise enhances the overall educational experience, providing students with the opportunity to engage with leaders in their respective fields. As a result, our institute stands out as a hub of intellectual vibrancy, fostering an atmosphere of academic achievement and contributing to the development of well-rounded and informed graduates.


Innovation Unveiled: A Tapestry of Intellectual Triumphs in Agriculture, Technology, and Healthcare

Dr. Nilesh S. Dumore Secures Indian Patent

Dr. Nilesh S. Dumore has achieved a significant milestone by successfully obtaining a patent for his invention titled "Platinum and Selenium Nanocomposites coated Fluoride Doped Tin Oxide (FTO) Electrochemical Sensor for Hydrogen Peroxide Detection." This innovative sensor has been granted a patent by the Indian Process Intellectual Property under the Government of India.



The certificate features a central graphic of a golden trophy with a star on it, surrounded by a pink and purple circular arrow. The background is white with a dark blue curved shape at the top left. The text is in a mix of bold and regular fonts, with the institution's name and logo at the top right. The patent details are centered, and the contact information is at the bottom.


**SHRI SITARAM N PATEL
INST. OF TECH. & RES.
(SNPIT)**
Bardoli, Umrakh (Vidhyabharti Trust)

**FACULTY
ACHIEVEMENT**

Dr. Nilesh S. Dumore
has successfully granted a
PATENT
on
**"Platinum and Selenium Nanocomposites coated Fluoride
Doped Tin Oxide (FTO) Electrochemical Sensor
For Hydrogen Peroxide Detection"**
at
Indian Process Intellectual Property
by
Government of India

Vidyabharti Campus, At & Po. Baben, Ta: Bardoli, Dist: Surat-394601

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Registration of Patent

Prof. Milan R. Patel's Team Secures Patent for Banana Pseudo stem Cutting Machine

Prof. Milan R. Patel and his team have made a significant contribution with their invention titled "Banana Pseudo stem Cutting Machine and Method Thereof," which has been successfully published as a patent. This achievement was made possible through IP Calculus Information Services Pvt. Ltd. by Gujarat Technological University (GTU) & GTU Innovation Council (GIC) under SSIP Gujarat.



**SHRI SITARAM N PATEL
INST. OF TECH. & RES.
(SNPIT)**
Bardoli, Umrakh (Vidyabharti Trust)

FACULTY & STUDENTS ACHIEVEMENT

Prof. Milan R. Patel & His Team
has successfully published a
PATENT
on
**'BANANA PSEUDOSTEM CUTTING MACHINE
AND METHOD THEREOF'**
at
IPCalculus Information Services Pvt. Ltd.
by
Gujarat Technological University (GTU) &
GTU Innovation Council (GIC) under SSIP Gujarat.



Prof. Milan R. Patel
Faculty
SNPIT, Umrakh



Dr. Kripanarayan S. Shukla
Faculty
Karnataka Agricultural University



Mr. Kallan G. Ahire
Student
SNPIT, Umrakh



Mr. Vishal M. Patil
Student
SNPIT, Umrakh



Mr. Rushikesh V. Patil
Student
SNPIT, Umrakh



Mr. Jinish P. Gandhi
Student
SNPIT, Umrakh



Mr. Gopal S. Pawar
Student
SNPIT, Umrakh

Vidyabharti Campus, At & Po. Baben, Ta: Bardoli, Dist: Surat-394601

For Admission
90 99 70 78 78

Registration of Patent

Dr. Miral R. Thakker and Dr. Md. Salman R. Bombaywala Patent Sensor-Based Agricultural Drone for Pesticide Spray

Dr. Miral R. Thakker and Dr. Md. Salman R. Bombaywala has jointly registered a patent for their ground-breaking invention titled "Sensor Based Agricultural Drone for Pesticide Spray." This innovative technology has been recognized and patented by the U.K. Design Intellectual Property under the Government of the United Kingdom.



The poster features a central graphic of a golden trophy with a star on it, surrounded by a pink and blue circular arrow. The background is white with a dark blue header and footer. The text is in a mix of bold and regular fonts, with the names of the faculty members in dark blue boxes. The overall design is clean and professional.


**SHRI SITARAM N PATEL
INST. OF TECH. & RES.
(SNPIT)**
Bardoli, Umrah (Vidhyabharti Trust)

**FACULTY
ACHIEVEMENT**

Dr.Miral R. Thakker
&
Dr.Md.Salman R. Bombaywala
have successfully registered a
PATENT
on
**"SENSOR BASED AGRICULTURAL DRONE
FOR PESTICIDE SPRAY"**
at
U.K. DESIGN INTELLECTUAL PROPERTY
by
Government of The United Kingdom.

Vidyabharti Campus, At & Po. Baben, Ta: Bardoli, Dist: Surat-394601
For Admission
90 99 70 78 78

Registration of Patent

Dr. Miral R. Thakker Patents AI-Powered Sunsieve for Optimizing Solar Energy in Drying Solutions

Dr. Miral R. Thakker has achieved another milestone with the successful registration of a patent for her invention titled "AI-Powered Sun sieve to Optimize Solar Energy for Eco-Friendly Drying Solutions." This pioneering solution has been patented by the U.K. Design Intellectual Property under the Government of the United Kingdom.



The certificate features a central graphic of a golden trophy with a star on it, surrounded by a pink and blue circular arrow. The background is white with a dark blue curved shape at the top left. The text is in a mix of bold and regular fonts, with the institution's name and logo at the top right. The main text celebrates the faculty member's patent achievement. At the bottom, contact information and an admission number are provided.


**SHRI SITARAM N PATEL
INST. OF TECH. & RES.
(SNPIT)**
Bardoli, Umrakh (Vidhyabharti Trust)

**FACULTY
ACHIEVEMENT**

Dr.Miral R. Thakker
has successfully registered a
PATENT
on
**AI-POWERED SUNSIEVE TO OPTIMIZE SOLAR
ENERGY FOR ECO-FRIENDLY DRYING SOLUTIONS**
at
U.K. DESIGN INTELLECTUAL PROPERTY
by
Government of The United Kingdom.

Vidyabharti Campus, At & Po. Baben, Ta: Bardoli, Dist: Surat-394601

For Admission
90 99 70 78 78

Registration of Patent

Prof. Dhaval J. Patel Patents Smart Pill Dispensing System in the UK

Prof. Dhaval J. Patel has contributed to innovation by registering a patent for his invention titled "Smart Pill Dispensing System." This revolutionary system has been granted a patent by the U.K. Design Intellectual Property under the Government of the United Kingdom.



The certificate features a gold trophy with a star on the left. In the top right corner is the SNPITRC logo and the text: **SHRI SITARAM N PATEL INST. OF TECH. & RES. (SNPIT)** Bardoli, Umrakh (Vidhyabharti Trust). The main text reads: **FACULTY ACHIEVEMENT**
Prof. Dhaval J. Patel
has successfully registered a
PATENT
on
Smart Pill Dispensing System
at
U.K. DESIGN INTELLECTUAL PROPERTY
by
Government of The United Kingdom.

At the bottom left: Vidyabharti Campus, At & Po. Baben, Ta: Bardoli, Dist: Surat-394601
At the bottom right: For Admission 90 99 70 78 78

Registration of Patent

Faculty Achievement: Recent Ph.D. Achievements in Engineering Research

Dhaval Patel and Khyati Patel recently achieved significant milestones in their academic journeys. Dhaval completed his Ph.D. on "Experimental Studies on Strength and Durability Characteristics of Ternary Blended Conventional Concrete using Manufactured Sand" under the guidance of Dr. C. D. Modhera, a Professor at CED, SVNIT, Surat. His research concluded successfully in December 2023. Similarly, Khyati accomplished her Ph.D. on "Solution to The Non-Newtonian Boundary Problems using the method of dimensional analysis" under the supervision of Dr. M. G. Timol, a professor at VNSGU, Surat, defended her thesis in September 2023.

Together, these accomplishments exemplify the dedication and ingenuity of these professionals, contributing to the advancement of science, agriculture, technology, and healthcare on both national and global scales.

Celebrating Excellence in Academics

Our institute celebrates excellence in academics, and recently, two of our esteemed faculty members were honoured for their outstanding contributions. Dr. Chandra Bhushan T. Pal, an Assistant Professor in the Chemical Department, was recognized with the Best Faculty Award by the Indian Society for Technical Education (ISTE), Gujarat, on April 27, 2023.



Dr. Chandra Bhushan T. Pal Received Best Faculty Award from ISTE Gujarat



Dr. Miral Thakar Received Best Teacher Award from Southern Gujarat Chamber of Commerce and Industries

Umrakh Degree Engineering College Excels at GCPC Program

Umrakh Degree Engineering College proudly showcased its exceptional talent during a recent event organized by the Gujarat Chemical and Petrochemicals Cluster (GCPC). On March 6, 2024, at Gandhinagar, under the auspices of the Government of Gujarat, the program titled "Interlinking of Industry, Academia, and Government 2023-24" witnessed the remarkable participation of our students.

Surana V. Manan and Vikash V. Shah, students of Umrakh Degree Engineering College, represented our institution with distinction. Under the able guidance of Dr. Chandrabhushan T. Pal and Dr. Miral R. Thakker, they showcased their ingenuity and expertise, demonstrating their project with excellence.

The commendable efforts of Surana V. Manan and Vikash V. Shah not only reflect their dedication but also underscore the quality of education and mentorship provided by our institution. Their participation and performance received accolades from the esteemed members of the Vidyabharti Trust and the faculty, further solidifying our college's commitment to academic excellence and practical application in the field of engineering.

This achievement stands as a testament to the relentless pursuit of excellence by our students and faculty, and it serves as a source of inspiration for future endeavours.

Congratulations to Surana V. Manan, Vikash V. Shah, and the entire team for this remarkable accomplishment!



Students' Felicitation at GCPC Program

SSIP Grant: A Boost for Innovation and Research at Our Institute

We Have Received Student Start-up and Innovation Policy (SSIP) 2.0 Center (2023 - 2027).



SSIP Grant Receipt Highlights

On August 10, 2023, we had the honour of receiving the SSIP Grant Cheque from Shri Rushikesh Bhai Patel, the esteemed Cabinet Minister of Higher & Technical Education in the Government of Gujarat. This grant signifies a significant milestone for our institute, elevating our innovation ecosystem to unprecedented heights. The allocated funds will play a vital role in our mission to support student start-ups, foster ground-breaking research initiatives, and provide essential resources to transform innovative concepts into impactful real-world solutions. This support marks a pivotal moment for our institute, enabling us to advance our commitment to innovation and research for the benefit of our students and society.

PMKVY 4.0: Empowering Skills at Our Institution

Celebrating our institution's active participation in the prestigious Pradhan Mantri Kaushal Vikas Yojana (PMKVY) 4.0, the flagship initiative of the Ministry of Skill Development and Entrepreneurship, masterfully executed by the National Skill Development Corporation (NSDC). With great enthusiasm, we embrace our role as a skill hub under PMKVY 4.0, entrusted with an allocation of 240 targets for implementing comprehensive training programs, in perfect alignment with the nation's ambitious skill development agenda. Notably, our institute has already secured a substantial grant of ₹965,777 for the first phase, covering the costs of 8 meticulously curated courses.

Under this initiative, we offer a diverse range of eight skill development courses, catering to the demands of evolving industries and fostering expertise in key areas. These courses include:

1. Motor and Controller Repairing Technician
2. Small Hydro Power Plant Technician
3. Additive Manufacturing (3D Printing)
4. User Experience Designer
5. AI (Artificial Intelligence) and Machine Learning Engineer
6. Database Administrator
7. IoT (Internet of Things) Software Analyst
8. Application Developer for Web and Mobile Platforms

By offering these specialized courses, we aim to empower individuals with the skills and knowledge required to excel in contemporary industries. Our commitment to PMKVY 4.0 reflects our dedication to contributing to the nation's workforce development and fostering a generation of skilled professionals. Join us on this transformative journey towards excellence in skill development.

Celebrating Global Academic Excellence: Embracing Cultural Exchange in Alignment with ICCR's Vision

Embracing our academic achievements, we proudly welcome international students to our engineering program, fostering a vibrant global exchange of knowledge and cultural diversity. Aligned with the vision of the Indian Council for Cultural Relations (ICCR), our institute actively engages in formulating and implementing policies and programs related to India's external cultural relations. Our pivotal role extends to fostering and enhancing cultural relations, promoting mutual understanding between India and other nations, and actively participating in cultural exchanges to connect with people worldwide.

MOU's - "Fostering Excellence: Transformative Industry Collaborations for Student Empowerment"

Our institute has successfully forged strategic Memoranda of Understanding (MOUs) with prominent industries, ushering in a new era of opportunities and benefits for our students. These collaborations serve as a cornerstone for fostering a dynamic bridge between academia and industry, aiming to enrich the educational experience and career prospects for our students.

Through these MOUs, our students gain invaluable insights into real-world applications, industry best practices, and emerging trends. The partnerships facilitate internships, industrial training programs, and collaborative research projects, providing students with hands-on experience and exposure to cutting-edge technologies. This symbiotic relationship not only equips our students with practical skills but also ensures that our curriculum remains aligned with industry demands.

The industries involved cover a diverse spectrum, ranging from technology and manufacturing to services and research. This diversity allows students across various disciplines to find tailored opportunities that align with their career aspirations. The MOUs also create a platform for knowledge exchange, fostering a culture of continuous learning and innovation.

Furthermore, these collaborations open doors for guest lectures, workshops, and seminars conducted by industry experts, offering our students a chance to interact with professionals, broaden their perspectives, and gain industry-specific insights. The partnerships extend beyond the classroom, with networking events, career fairs, and mentorship programs connecting students directly with industry leaders.

In addition to the direct benefits for students, these MOUs contribute to the overall enhancement of our academic ecosystem. The exchange of ideas and resources between our institute and industry partners enriches our research capabilities and strengthens our commitment to staying at the forefront of innovation.

As we continue to nurture and expand these collaborative endeavors, our institute remains dedicated to providing a holistic education that goes beyond traditional classroom boundaries, preparing our students to thrive in the dynamic landscape of their chosen fields. These MOUs stand as a testament to our commitment to excellence and our unwavering focus on the holistic development of our students, positioning them for success in their professional journeys.

List of MOU's done with Industries

Sr. No.	First Party	Second Party	Date of MoU
1	SNPIT & RC, Umrakh	Aeolus Green Bio Energy Pvt. Ltd., Kamrej	05-02-2024
2	SNPIT & RC & SSNLCP, Umrakh	V S Analytical Solutions, Ankleshwar	05-02-2024
3	SNPIT & RC, Umrakh	Kalsh Advance Tech, Surat	03-02-2024
4	SNPIT & RC, Umrakh	Edunet Foundation, Gurgaon	13-12-2023
5	Vidyabharti Trust, Umrakh	Pranush Smart Learning LLD, Surat.	25-05-2023
6	SNPIT & RC, Umrakh	Suyog Elements India Pvt. Ltd., Palej GIDC, Dist: Bharuch	06-03-2023
7	SNPIT & RC, Umrakh	Government Engineering College, Dahod	22-06-2022
8	SNPIT & RC, Umrakh	Rayzon Green Engineers (Solar PV Modules), Karjan, Kim-Mandvi Road	29-04-2022
9	SNPIT & RC, Umrakh	Shakti Distillaries Pvt. Ltd., Sachin GIDC, Surat	25-04-2022
10	SNPIT & RC, Umrakh	Suman Chemicals Ltd., Surat	08-04-2022
11	SNPIT & RC & BVPIT, Umrakh	Mechman Solutions, Makarpura GIDC, Vadodara	17-03-2022
12	SNPIT & RC & BVPIT, Umrakh	NiTech. Automation, Vesu Road, Surat	04-02-2022
13	SNPIT & RC & BVPIT, Umrakh	MAKE3D IN, Surat	14-10-2021
14	SNPIT & RC & BVPIT, Umrakh	TOPS Technologies Pvt. Ltd., C.G. Road, Ahmedabad	17-09-2021
15	SNPIT & RC, Umrakh	Laxxmipriyaa Electritab Pvt. Ltd., Palsana-Bardoli Road, Palsana	24-09-2020
16	SNPIT & RC, Umrakh	Sai Impex Ltd., Lal Darwaja, Surat	24-09-2020

SNPIT IN MEDIA

ઉમરાખ કોલેજના વિદ્યાર્થીઓનો જીસીપીસીના કાર્યક્રમમાં ઉત્કૃષ્ટ દેખાવ



બારડોલી | વિદ્યાભારતી ટ્રસ્ટ સંચાલિત બાબેન સ્થિત એસ.એન. પટેલ ઇન્સ્ટી.ઓફ ટેકનોલોજી, ઉમરાખ (ડીગ્રી) એન્જનીયરિંગ કોલેજમાં અભ્યાસ કરતાં મનન વી. સુરના અને વિકાશ વી. શાહએ 06 માર્ચ 2024 ના રોજ જીસીપીસી, ગાંધીનગર (ગવર્મેન્ટ ઓફ ગુજરાત) દ્વારા યોજાયેલ કાર્યક્રમ " ઇન્ટરલીકિંગ ઓફ ઇન્સ્ટી. એકેડમિક્સ એન્ડ ગવર્મેન્ટ 2023-24 માં ભાગ લીધો હતો. બંને વિદ્યાર્થીઓએ ડો. મીરલ આર. ઠક્કર અને ડો. ચંદ્ર ભૂષણ ટી. પાલ ના માર્ગદર્શન હેઠળ " મશરૂમ કલ્ટીવેશન: સસ્ટેનેબલ વે ટુ યુટીલાઇઝ એગ્રોવેસ્ટ " વિષય પર પ્રોજેક્ટ બનાવ્યો હતો. આ સિદ્ધિ માટે વિદ્યાર્થીઓ અને મેન્ટર્સને વિદ્યાભારતી ટ્રસ્ટના સર્વે ટ્રસ્ટીગણો તથા તમામ સ્ટાફ દ્વારા અભિનંદન પાઠવાયા હતા.

DivyaBhaskar (17/03/2024)

જીસીપીસી દ્વારા યોજાયેલ કાર્યક્રમમાં એવોર્ડ અને ઈન્ડિયન પ્રોસેસ પેટન્ટ પ્રકાશિત



બારડોલી | વિદ્યાભારતી ટ્રસ્ટ સંચાલિત બાબેન સ્થિત એસ.એન. પટેલ ઇન્સ્ટી.ઓફ ટેકનોલોજી, ઉમરાખ (ડીગ્રી) એન્જનીયરિંગ કોલેજના કેમિકલ વિભાગના પ્રોફેસર ડો. નિલેશ એસ. દુમોરેને 06 માર્ચ 2024 ના રોજ જીસીપીસી, ગાંધીનગર (ગવર્મેન્ટ ઓફ ગુજરાત) દ્વારા યોજાયેલ કાર્યક્રમ " ઇન્ટરલીકિંગ ઓફ ઇન્સ્ટી. એકેડમિક્સ એન્ડ ગવર્મેન્ટ 2023-24 માં ભાગ લીધો હતો જેમાં એમણે પાંચમો રેન્ક પ્રાપ્ત કરી રોકડ રકમ તથા એવોર્ડ મેળવ્યો હતો. ડો. નિલેશ એસ. દુમોરે 2022 માં પીએચડી સંશોધન " સેલેનિયમ નેનોકમ્પોઝિટ બેસ્ડ ઇલેક્ટ્રોકેમિકલ સેન્સર ફોર ડિટેક્શન ઓફ હાઈડ્રોજન પેરોક્સાઈડ " ડો.મોસમી મુખોપાધ્યાય (SVNIT Surat) ના માર્ગદર્શન હેઠળ પૂર્ણ કર્યું હતું. ડો. નિલેશ એસ. દુમોરે અને ડો.મોસમી મુખોપાધ્યાય પ્રોફેસર SVNIT Surat નું ઈન્ડિયન પ્રોસેસ પેટન્ટ " પ્લેટિનીયમ અને સેલેનિયમ નેનોકમ્પોઝિટ કોટેડ ફ્લોરાઈડ ડીપડ ટીન ઓક્સાઈડ ઇલેક્ટ્રોકેમિકલ સેન્સર ફોર ઓફ હાઈડ્રોજન પેરોક્સાઈડ ડિટેક્શન " પ્રકાશિત થયું છે. આ સિદ્ધિ માટે પ્રોફેસર ડો. નિલેશ એસ. દુમોરે ને વિદ્યાભારતી ટ્રસ્ટના સર્વે ટ્રસ્ટીગણો તથા તમામ સ્ટાફ દ્વારા અભિનંદન પાઠવવામાં આવ્યા છે.

DivyaBhaskar(15/3/2024)

મહિલા દિને ઉમરાખ કોલેજમાં મહિલા લાભાર્થીઓને લાભો અર્પણ



બારડોલી | બારડોલીના ઉમરાખ કોલેજ ખાતે ધારાસભ્ય સંગીતાબેન પાટીલની અધ્યક્ષતામાં આંતર રાષ્ટ્રીય મહિલા દિવસની ઉજવણી કરવામાં આવી હતી. મહિલા અને બાળવિકાસ વિભાગની વિવિધ યોજનાઓમાં લાભાર્થીઓને ધારાસભ્ય અને મહાનુભાવોના હસ્તે લાભો અર્પણ કરવામાં આવ્યા હતા.બારડોલીના ઉમરાખ ખાતે આંતરરાષ્ટ્રીય મહિલા દિવસની ઉજવણી કાર્યક્રમમાં લિંગાયત ધારાસભ્ય સંગીતાબેન પાટીલે જણાવ્યું કે, દરેક ક્ષેત્રમાં મહિલાઓ આજે અગ્રેસર બની છે, રાજ્ય સરકાર દ્વારા મહિલાલક્ષી યોજનાઓ મહિલાઓના આર્થિક, સામાજિક અને શૈક્ષણિક ઉત્થાન માટે અમલમાં મુકવામાં આવી છે. વધુમાં તેમણે સરકારની યોજનાઓ વિશે માહિતી આપતા જણાવ્યું કે, વડાલી દીકરી યોજનામાં પ્રથમ ધોરણમાં 4 હજારની સહાય ધોરણ 5માં 6 હજારની સહાય અને જ્યારે દીકરી 18 વર્ષની થાય ત્યારે લગ્ન માટે 1 લાખની સહાય સરકાર દ્વારા અપાય છે. મહુવા ધારાસભ્ય મોહનભાઈ કોડિયાએ જણાવ્યું કે, વડાધાન નરેન્દ્રભાઈ મોદીએ મહિલાઓના ઉત્થાન માટે ધણી યોજનાઓ અમલમાં મુકી છે.

Divya Bhaskar (08/03/2024)

ઉમરાખ કોલેજના વિદ્યાર્થીને GICEA દ્વારા સુવર્ણચંદ્રક એનાયત કરાયો

ધબકાર પ્રતિનિધિ, જે બદલ સંસ્થા ગૌરવ અનુભવે સુરત, તા. 03 છે.

વિદ્યાભારતી ટ્રસ્ટ સંચાલિત આ વિદ્યાર્થીને વિદ્યાભારતી

બાબેન સ્થિત એસ. એન. પટેલ ઇન્સ્ટિટ્યૂટ ઓફ ટેકનોલોજી, ઉમરાખ (ડીગ્રી) એન્જનીયરિંગ કોલેજમાં અભ્યાસ કરતાં ઋષિ ભરતભાઈ પટેલે (સીપીઆઈ : ૮.૬૫) માસ્ટર ઓફ એન્જનીયરિંગ, કંસ્ટ્રક્શન એન્જનીયરિંગ એન્ડ મેનેજમેન્ટ (સિવિલ) બ્રાન્ચમાં, ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી સંલગ્ન ગુજરાતની તમામ કોલેજોમાં પ્રથમ ક્રમાંક મેળવવા બદલ ધી ગુજરાત ઇન્સ્ટિટ્યૂટ ઓફ સિવિલ એન્જનીયરિંગ એન્ડ આર્કિટેક, અમદાવાદ દ્વારા ટ્રસ્ટના સર્વે ટ્રસ્ટીગણો તથા તમામ સુવર્ણચંદ્રકથી સન્માનિત થયા છે, સ્ટાફ અભિનંદન પાઠવ્યાં છે.

Dhabkar (3/3/2024/)

ઉમરાખ કોલેજના તેજસ્વી બે વિદ્યાર્થીની સિદ્ધિ

બારડોલી : વિદ્યાભારતી ટ્રસ્ટ સંચાલિત બાબેન સ્થિત એસ.એન. પટેલ ઈન્સ્ટિટ્યૂટ ઓફ ટેકનોલોજી ઉમરાખ ડિગ્રી એન્જિ. કોલેજમાં અભ્યાસ કરતા વિદ્યાર્થીઓ રીકેન આર.પ્રજાપતિ અને નિતેશ એચ. યાદવે મેંગલોર ખાતે એનઆઈટીટીઆઈ યુનિ.માં ભાગ લઈ ગુજરાત ટેકનોલોજીકલ યુનિ.તેમજ વિદ્યાભારતી ટ્રસ્ટ ઉમરાખ સંચાલિત ડિગ્રી એન્જિ. કોલેજનું ગૌરવ વધાર્યું હતું. આ સમગ્ર કાર્યક્રમમાં કુલ પાંચ રાજ્યોના ૧૫૦ થી વધુ વિદ્યાર્થીઓ હાજર રહ્યા હતા.

Sandesh (3/3/2024)

ધબકાર

ઉમરાખ કોલેજના મિકેનિકલના પાંચ વિદ્યાર્થીઓ દ્વારા થયેલા સંશોધનને પેટન્ટ



ધબકાર પ્રતિનિધિ, સુરત, તા. ૦૭
વિદ્યાભારતી ટ્રસ્ટ સંચાલિત બાબેન સ્થિત એસ.એન. પટેલ ઈન્સ્ટિટ્યૂટ ઓફ ટેકનોલોજી ઉમરાખ (ડિગ્રી) એન્જિનિયરિંગ કોલેજના મિકેનિકલ વિભાગમાં અભ્યાસ કરતાં કેદાશ ધનશ્યામ આહિરે, જેનિસ પરેશભાઈ ગાંધી, વિશાલ મુરલીધર પાટીલ, ઋષિકેશ વિજય પાટીલ, ગોપાલ સંજય પવાર વિદ્યાર્થીઓએ “કેળાના થડ કાપવાના મશીન અને પદ્ધતિ” વિષય ઉપર સંશોધન કરી પેટન્ટ પ્રાપ્ત કરી છે. આ કાર્ય ઉમરાખ (ડિગ્રી) એન્જિનિયરિંગ કોલેજના મિકેનિકલ વિભાગમાં કાર્યરત પ્રો.મિલન આર. પટેલ અને નવસારી એગ્રિકલ્ચર યુનિવર્સિટીમાં ફરજ બજાવતા ડૉ.કપાનારાયણ શુક્લાના માર્ગદર્શન હેઠળ આ સિદ્ધિ મેળવી છે. આ કાર્યકરવાની પ્રેરણા તેમને એસ.એન. પટેલ એન્જિનિયરિંગ કોલેજ, ઉમરાખ અને નવસારી મેન્ટરને વિદ્યાભારતી ટ્રસ્ટના સર્વેટ્ટીગણો તથા તમામ કૃષિ યુનિવર્સિટીમાંથી મળી હતી. તેમણે કેળાના થડ કાપવામાં આવ્યા છે.

કેળાના થડ કાપવાના મશીન અને પદ્ધતિ પર ધનશ્યામ આહિરે, જેનિસ ગાંધી, વિશાલ પાટીલ, ઋષિકેશ પાટીલ અને ગોપાલ પવાર દ્વારા સંશોધન થયું હતું.

Dhabkar (07/02/2024)

ઉમરાખ કોલેજના ત્રણ વિદ્યાર્થીઓ જીટીયુ ખાતે સુવર્ણચંદ્રક દ્વારા સન્માનિત

બારડોલી : વિદ્યાભારતી ટ્રસ્ટ સંચાલિત બાબેન સ્થિત એસ.એન.પટેલ ઈન્સ્ટિ. ઓફ. ટેકનોલોજી ઉમરાખ એન્જિનિયરિંગ કોલેજમાં અભ્યાસ કરતાં પટેલ ઋષિ ભરતભાઈએ (માસ્ટર ઓફ એન્જિનિયરિંગ, કન્સ્ટ્રક્શન એન્જિનિયરિંગ એન્ડ મેનેજમેન્ટ બાન્યમાં), મહેતા રોનક અશોકકુમારે (માસ્ટર ઓફ એન્જિનિયરિંગ, પ્રોડક્શન બાન્યમાં) અને શાહ વિકાસ વિજયકુમારે બી.ઈ.કેમિકલ એન્જિનિયરિંગ બાન્યમાં ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી સંલગ્ન ગુજરાતની તમામ કોલેજોમાં પ્રથમ ક્રમાંક મેળવી ૧ ઉમા પદવીદાન સમારોહમાં સુવર્ણચંદ્રક દ્વારા સન્માનિત થયા છે. આ ત્રણ વિદ્યાર્થીને વિદ્યાભારતી ટ્રસ્ટના સર્વેટ્ટીગણો તથા તમામ સ્ટાફે અભિનંદન પાઠવ્યા છે.

Sandesh (31/01/2024)

તંત્રી : દિલીપસિંહ રાજ

મોગા ગુજરાત

Date : 11/12/2023 અખબાર NEWS ROOM

ડિગ્રી એન્જિનિયરિંગ કોલેજ ઉમરાખના પ્રોફેસર પીએચ. ડી. થયા

બાબેન સ્થિત એસ.એન. પટેલ ઈન્સ્ટિટ્યૂટ ઓફ ટેકનોલોજી એન્ડ રિસર્ચ સેન્ટર ઉમરાખ ખાતે એપ્લાઇડ સાયન્સ એન્ડ હ્યુમનિટીસ ડિપાર્ટમેન્ટમાં આસિ. પ્રોફેસર તરીકે ફરજ બજાવતા પ્રો.પ્રચાલિ જશવંત પટેલએ "Solution to the Non Newtonian Boundary Problems using Method Of Dimensional Analysis" વિષય પર સંશોધન કરી વીર નર્મદ યુનિવર્સિટી, સુરતના મેથેમેટિક્સ ડિપાર્ટમેન્ટમાંથી પીએચડી પૂર્ણ કર્યું છે તેઓએ વીર નર્મદ યુનિ. સુરત મેથેમેટિક્સ ડિપાર્ટમેન્ટના પ્રો. ડો. એમ.જી.ટીમોલ ના માર્ગદર્શન હેઠળ આ સિદ્ધિ પ્રાપ્ત કરેલ છે. જેને સમગ્ર વિદ્યાભારતી ટ્રસ્ટી અને સ્ટાફે અભિનંદન પાઠવ્યા છે.



 Dilipsinh Raj   Mega Gujarat

Mega Gujarat (11/12/2023)

નૌકાવિહાર કરી બાબેન તળાવમાં સરદાર પટેલની પ્રતિમાનું પૂજન કરાયું

વિદ્યાભારતી ટ્રસ્ટ ઉમરાખ આયોજિત રન ફોર યુનિટીમાં ૩૦૦ વિદ્યાર્થીઓ દોડ્યા

1 બારડોલી ।

સમગ્ર દેશમાં સરદાર વલ્લભભાઈ પટેલની જન્મજયંતી રાષ્ટ્રીય એકતા દિવસની તરીકે મનાવવામાં આવે છે. આ નિમિત્તે બાબેન સ્થિત સીતારામભાઈ નારણજીભાઈ પટેલ ઈન્સ્ટિટ્યૂટ ઓફ ટેકનોલોજી ઉમરાખ દ્વારા રન ફોર યુનિટીનું આયોજન એસ.એન.પી. આઈ.ટી.આર.સી. એ વીંગ (ડિગ્રી એન્જિનિયરિંગ કોલેજ)થી બાબેન મુકામે સરદારની પ્રતિમા સુધી કરવામાં આવ્યું હતું. જેમાં સ્ટાફ મિત્રો, એન.એસ.એસ.ના વોલેન્ટીયર અને વિદ્યાર્થીઓ મળીને ૩૦૦થી વધુ જોડાયા હતા. તદુપરાંત વિદ્યાભારતી ટ્રસ્ટના તમામ ટ્રસ્ટીગણો પણ આ પ્રસંગે ઉપસ્થિત રહી વિદ્યાર્થીઓ તેમના સ્ટાફ મિત્રોને પ્રોત્સાહન આપી રાષ્ટ્રીય એકતા અને અખંડિતાનું સ્ફુર્ત કરવા માટેના સંકલ્પ લીધા હતા.



આ કાર્યક્રમમાં નૌકા વિહાર કરી બાબેન તળાવના મધ્યભાગમાં ઉપસ્થિત સરદાર પટેલની પ્રતિમાનું પૂજન સેકેટરી કિરીટભાઈ પટેલ કોસેકેટરી ભરતભાઈ પટેલ તેમજ ટ્રસ્ટ મેમ્બર મહેન્દ્રભાઈ સોમાભાઈ પટેલ, ટ્રસ્ટના ઓફિસ સુપરિટેન્ડન્ટ સાવનભાઈ પટેલ અને પ્રિન્સિપલ પિયુષ એસ.જેન તેમજ સ્ટાફ મિત્રોએ અને વિદ્યાર્થી મિત્રો દ્વારા કરવામાં આવ્યું હતું. કાર્યક્રમની સફળતા બદલ તમામ ટ્રસ્ટી ઓફીસ સુપરિટેન્ડન્ટ અને પ્રિન્સિપલને એન.એસ.એસ. પ્રોગ્રામ કોર્ડિનેટર પ્રો.હિતેશભાઈ દેવરને અભિનંદન પાઠવ્યા હતા.

Sandesh (02/11/2023)


ગામના યુવા અગ્રણી સમાજ સેવક કરવામાં આવ્યું હતું.

ઉમરાખ કોલેજના વા. પ્રિન્સિપાલનું સર્વશ્રેષ્ઠ શિક્ષક એવોર્ડથી સન્માન



ધબકાર પ્રતિનિધિ, બારડોલી, તા. ૨૬ વિદ્યાભારતી ટ્રસ્ટ સંચાલિત બાબેન સ્થિત શ્રી એસ. એન. પટેલ ઈન્સ્ટિટ્યૂટ ઓફ ટેકનોલોજી એન્ડ રીસર્ચ સેન્ટર, ઉમરાખ (ડીગ્રી) એન્જિનિયરિંગ કોલેજને ધી સધનજી ગુજરાત ચેમ્બર કોમર્સ અને ઈન્ડસ્ટ્રીઝના ઉપક્રમે શિક્ષક દિવસ નિમિત્તે સમગ્ર દક્ષિણ ગુજરાતના પ્રતિભાવંત શિક્ષકોને સન્માનિત કરવાના હેતુસર સર્વશ્રેષ્ઠ શિક્ષક એવોર્ડનું તા. ૨૩ને શનિવાર ના રોજ આયોજન કરવામાં આવ્યું હતું. સર્વશ્રેષ્ઠ શિક્ષક એવોર્ડ માટે ૨૫૦ જેટલા શિક્ષકોએ પોતાની સિદ્ધિઓને રજૂ કરેલ હતી, તેમાંથી ૮૮ શિક્ષકો પસંદગી પામેલા હતા, આ સર્વશ્રેષ્ઠ શિક્ષકોમાં વિદ્યાભારતી ટ્રસ્ટના એન્જિનિયરિંગ કોલેજના વાઈસ પ્રિન્સિપાલ ડો. મિરલ ઠક્કર દ્વારા રજૂ કરેલ પોતાના કાર્યોને વિશિષ્ટ સન્માન આપવામાં તેમને એન્જિનિયરિંગ કેટેગરીના સર્વશ્રેષ્ઠ શિક્ષકનો એવોર્ડ એનાયત કરેલ છે તેમની આ સિદ્ધિ બદલ મેનેજમેન્ટ તેમજ સમગ્ર ફેકલ્ટી ગણ દ્વારા અભિનંદન પાઠવેલ છે અને કોલેજ દ્વારા ચેમ્બર ઓફ કોમર્સ નો આભાર વ્યક્ત કરેલ છે.

Dhabkar (26/9/2023)



બારડોલી । વિદ્યાભારતી ટ્રસ્ટ સંચાલિત બાબેન સ્થિત સીતારામભાઈ નારણજી પટેલ ઈન્સ્ટી.ઓફ ટેકનોલોજી એન્ડ રીસર્ચ સેન્ટર, અને નારણજીભાઈ લાલભાઈ પટેલ કોલેજ ઓફ કાર્મસી, ઉમરાખ, બારડોલી. તા. 10/08/2023 ના રોજ માનનીય કેબીનેટ મંત્રી હાપર એન્ડ ટેકનીકલ એજ્યુકેશન, હેલ્થ એન્ડ ફેમિલી વેલફેર, લો એન્ડ જસ્ટીસ, ગવર્નમેન્ટ ઓફ ગુજરાત ઋષિકેશભાઈ પટેલના હસ્તે સ્ટુડન્ટ સ્ટાર્ટઅપ ઇનોવેશન પોલિસી 2.0 હેઠળ વર્ષ 2023-24 માટે ગ્રાન્ટ ની ફાળવણી ઓફીસિયલ અલ. ડી. કોલેજ ઓફ એન્જિનિયરિંગ નવરંગપુરા અમદાવાદ ખાતે થઈ હતી, જે કાર્યક્રમમાં સીતારામભાઈ નારણજી પટેલ ઈન્સ્ટી.ઓફ ટેકનોલોજી એન્ડ રીસર્ચ સેન્ટર ના આચાર્ય ડો. પિયુષ જૈન અને એસ. એસ. આઈ. પી. કોર્ડિનેટર ડો. રવિશ હિરપરા તથા નારણજીભાઈ લાલભાઈ પટેલ કોલેજ ઓફ કાર્મસી, ઉમરાખ, બારડોલી. ના આચાર્ય ડો. કેતન શાહ અને એસ. એસ. આઈ. પી. કોર્ડિનેટર ડો. સોનલ સોલંકી એ હાજરી આપી હતી.

Divya Bhaskar (12/8/2023)

તંત્રી : દિલીપસિંહ રાજ

મેગા ગુજરાત

Date : 26/07/2023

અખબાર NEWS ROOM

ઉમરાખ (ડીગ્રી) એન્જ. કોલેજનું ગૌરવ

બાબેન સ્થિત વિદ્યાભારતી ટ્રસ્ટ સંચાલિત એસ.એન. પટેલ ઈન્સ્ટીટ્યુટ ઓફ ટેકનોલોજી એન્ડ રીસર્ચ સેન્ટર, ઉમરાખ (ડીગ્રી) એન્જ. કોલેજમાં પટેલ શ્રદ્ધા ભરતભાઈએ માસ્ટર ઓફ સિવિલ એન્જીનીયરિંગ (કન્સ્ટ્રક્શન એન્જીનીયરિંગ એન્ડ મેનેજમેન્ટ) વિભાગમાં ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી ખાતે પ્રથમ ક્રમાંક મેળવ્યો છે અને ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટીની સમગ્ર માસ્ટર ઓફ એન્જીનીયરિંગ બ્રાન્ચમાં બીજો ક્રમ મેળવ્યો છે, જે બદલ સંસ્થા ગૌરવ અનુભવે છે. શ્રદ્ધા પટેલને વિદ્યાભારતી ટ્રસ્ટના મેનેજિંગ ટ્રસ્ટી, સેક્રેટરી, કો-સેક્રેટરી, સર્વે ટ્રસ્ટીગણો, ઓ. સુપરિન્ટેન્ડન્ટ, આચાર્ય, ઉપઆચાર્ય, તથા તમામ સ્ટાફે અભિનંદન પાઠવ્યાં છે.

f Dilpsinh Raj

Twitter Instagram Mega Gujarat

Mega Gujarat (26/7/2023)

તંત્રી : દિલીપસિંહ રાજ

મેગા ગુજરાત

Date : 10/05/2023

અખબાર NEWS ROOM

બાબેન: વિદ્યાભારતી ટ્રસ્ટ સંચાલિત SNPIT & RCના પ્રાધ્યાપકને "Best Faculty" એવોર્ડથી સન્માનિત કરાયા

વિદ્યાભારતી ટ્રસ્ટ સંચાલિત સીતારામભાઈ નારણજી પટેલ ઈન્સ્ટીટ્યુટ ઓફ ટેકનોલોજી એન્ડ રીસર્ચ સેન્ટર કોલેજમાં કેમિકલ એન્જીન્યરિંગ વિભાગમાં ફરજ બજાવતા ડો.ચંદ્રભૂષણ પાલને Indian Society for Technical Education (ISTE) તરફથી "BEST FACULTY" નો એવોર્ડ અમદાવાદ ખાતે ગત ૨૭મી એપ્રિલે (ISTE)ના ૨૬માં કોન્ફરન્સમાં આપવામાં આવ્યો છે, જે સંસ્થા માટે ખુબજ ગૌરવની વાત છે. વિદ્યાભારતી ટ્રસ્ટના સમસ્ત ટ્રસ્ટીગણ, પ્રધ્યાપકો અને સ્ટાફગણ ડો. (પ્રો.) ચંદ્રભૂષણપાલને આ એવોર્ડ બદલ અભિનંદન પાઠવ્યા છે.

Mega Gujarat (10/5/2023)

તંત્રી : દિલીપસિંહ રાજ

મેગા ગુજરાત

Date : 16/02/2023

અખબાર NEWS ROOM

વિદ્યાભારતી ટ્રસ્ટ-ઉમરાખ કોલેજના વિદ્યાર્થીઓને જીટીયુ દ્વારા ગોલ્ડ મેડલ

બારડોલીના બાબેન ખાતે આવેલ વિદ્યાભારતી ટ્રસ્ટ સંચાલિત નારણજી પટેલ ઈન્સ્ટીટ્યુટ, ઉમરાખના મિકે. એન્જ. વિભાગના વિદ્યાર્થી યશ ખત્રી અને વિદ્યાર્થીની નેન્સી દેસાઈને ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી, અમદાવાદ દ્વારા યોજાયેલા ૧૨માં પદવીદાન સમારંભમાં ગોલ્ડમેડલથી સન્માનિત કરવામાં આવેલ છે. ઉમરાખ કોલેજને છેલ્લા વર્ષમાં ૧૭ ગોલ્ડ મેડલ મળ્યા છે. આ સિદ્ધિ બદલ મેનેજિંગ ટ્રસ્ટી મનહર પટેલ, સેક્રેટરી કિરીટ પટેલ, કો.સેક્રેટરી ભરત પટેલ, તથા સમસ્ત ટ્રસ્ટી ગણ, આચાર્ય ડો. પિયુષ જૈન સહિત સમગ્ર સ્ટાફે અભિનંદન આપ્યા છે.

f Dilpsinh Raj

Twitter Instagram Mega Gujarat

Mega Gujarat (16/2/2023)

વિદ્યાભારતી ટ્રસ્ટ ઉમરાખની વિદ્યાર્થીની ગોલ્ડ મેડાલિસ્ટ બની

ડેસાઈને ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી અમદાવાદ દ્વારા તા.૨ ફેબ્રુઆરીએ યોજાયેલા ૧૨ માં પદવીદાન સમારંભમાં ગોલ્ડ મેડલથી સન્માનિત કરવામાં આવી છે. હાલમાં સીતારામભાઈ નારણજી પટેલ ઈન્સ્ટીટ્યુટ ઓફ ટેકનોલોજી એન્ડ રીસર્ચ સેન્ટર, ઉમરાખ છેલ્લા ૧૫ વર્ષથી અંદર ૧૭ મેડલ મળ્યા છે. પ્રતિ વર્ષ રાજ્યની સમગ્ર જીટીયુ સંલગ્ન એન્જીનીયરિંગ કોલેજો પૈકી વિદ્યાર્થીને તેના સર્વોચ્ચ શૈક્ષણિક દેખાવ બદલ ગોલ્ડ મેડલથી સન્માનિત કરવામાં આવેલા છે. આ સિદ્ધિ બદલ મેનેજિંગ ટ્રસ્ટી મનહરભાઈ પટેલ, સેક્રેટરી કિરીટભાઈ પટેલ, કો.સેક્રેટરી ભરતભાઈ પટેલ, સમસ્ત ટ્રસ્ટી ગણ, આચાર્ય ડો. પિયુષ જૈન તથા સ્ટાફ એન્ડ મેનેજમેન્ટ ની વિદ્યાર્થીની નેન્સી મિત્રોએ અભિનંદન આપ્યા છે.

Sandesh (10/2/2023)



SNPIT & RC

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(શ્રી સીતારામભાઈ નારણજી પટેલ ડિગ્રી કોલેજ)

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**Applied
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Applied Science and Humanities Department

About Department:

The Department of Applied Sciences and Humanities acts as a vital bridge between technical and liberal arts education. Here, students gain a robust foundation in mathematics, physics, Chemistry, communication, and ethics. Our accomplished faculty fosters interdisciplinary thinking and communication skills, ensuring that graduates are not only technically adept but also socially responsible. We promote research, offer career guidance, and encourage a global outlook. Additionally, community engagement is a core part of our ethos. Join us to experience a well-rounded education that prepares you comprehensively for an engineering career and beyond.

Message From Head of Department:



Dr. Mansi N. Zaveri

The department of Applied Sciences and Humanities is one of the ancillary department of S. N. Patel Institute of Technology and Research Centre. Equipped with highly qualified faculty. The department strives to persistently cater the students with the best knowledge in the various disciplines of Mathematics, Physics, Chemistry, English and Management. Eminent academicians share their expertise in assisting the students to tackle Engineering problems with ease. Our aim is to bring out excellence among students in the respective disciplines by providing them a depth and thoroughbred knowledge about the basic facts and fundamentals among the various streams of Engineering.



Faculty Details:

Sr. No	Name	Qualifications	Specialization	Designation
1.	Dr. Mansi N. Zaveri	Ph.D. B.Ed. M.Sc.(Mathematics)	Mathematics	Head & Assistant Professor
2.	Dr. Khyati J. Patel	Ph.D. M.Phil B.Ed M.Sc (Mathematics)	Mathematics	Assistant Professor
3.	Prof. Tejas B. Patel	M.Sc.	Integral Transform	Assistant Professor
4.	Prof.Sandeep A. Patel	M.Sc. B.Sc.	Instrumentation	Assistant Professor
5.	Prof. Purva S. Patel	M.A.(English)	English	Assistant Professor
6.	Prof. Hinal H. Desai	M.Sc. (Mathematics)	Operation Research	Assistant Professor
7.	Prof. Hetali A. Dhimmar	B.Ed. M.Sc. (Mathematics)	Integral Transform	Assistant Professor
8.	Prof. Seemabano A. Shah	M.Sc.(Mathematics) GSET	Special Functions	Assistant Professor
9.	Prof. Dhanvi P. Bheda	M.A. (English)	English	Assistant Professor
10.	Dr. Madhumita P. Ghosh	Ph.D. M.Phil B.Ed. M.Sc. (Mathematics)	Machine Learning	Assistant Professor

Faculty Assets



Dr. Mansi N. Zaveri
Head & Assistant
Professor Ph.D.



Dr. Khyati J. Patel
Assistant Professor
Ph.D



Prof. Tejas B. Patel
Assistant Professor
M.Sc.



Prof. Sandeep A. Patel
Assistant Professor
M.Sc.



Prof. Hinal H. Desai
Assistant Professor
M.Sc.



Prof. Hetali A.
Dhimmar
Assistant Professor
M.Sc.



Prof. Purva S. Patel
Assistant Professor
M.A.



Prof. Seemabano A.
Shah
Assistant Professor
M.Sc.



Prof. Dhanvi P.
Bheda
Assistant Professor
M.A.



Dr. Madhumita P.
Ghosh
Assistant Professor
Ph.D.

Laboratory Facilities

Chemistry Lab



Chemistry Lab

Objective: Chemistry is a branch of natural science that deals with the study of the composition and the physical and chemical properties of various forms of matter. It allows students to explore chemical concepts, view changes in matter and acquire scientific skills. The objective of engineering chemistry laboratory is to furnish the conceptual understanding of the basic principles involved in chemical analysis. Goals for chemistry lab in engineering is to develop creative thinking and problem-solving ability, to develop practical abilities like designing an experiment, recording data and analysing and interpreting results obtained from conducting an experiment. Chemistry helps to study the operation and design of chemical plants and methods of improving production.

Physics Lab



Physics Lab

Objective: Physics is the study of nature which is demonstrated at Engineering Physics Laboratory. Engineering Physics Laboratory imparts the necessary theoretical knowledge and technical skill for all engineers to handle the precision tools and electronic gadgets there by laying the foundation stone for the future technocrats in the practice of their professions. The basic focus in an Engineering Physics Laboratory is to develop scientific temper and encourage students to innovate in diverse technical areas for better understanding of technical and engineering problems.

Language Lab



Language Lab

Objective: The quality of language proficiency will be more when students learn it from the multimedia, digital and computerized language lab. The language lab is a technological break for imparting skills in English. The language lab offers an exclusive result oriented and efficient way to enrich the English language learning process. The multimedia-based language lab helps to learn and enhance the language proficiency by sharing the course materials within a second where the teacher and the students are involved effortlessly. Breaking through the traditional teaching method with the rich teaching material contents, the digital language lab motivates student's learning attitude, providing an interactive learning environment.

Faculties Achievements

Sr. No.

Faculty name

Achievement

1.



DR. MANSI N. ZAVERI

We are excited to announce the outstanding accomplishment of our Head of Applied Science and Humanities Department: she has achieved the top position in the Basic Linear Algebra course offered by NPTEL.

2.



DR. KHYATI J. PATEL

We are delighted to announce the outstanding achievement of our faculty member, Dr. Khyati J. Patel, who has recently earned her Ph.D. in the field of "Solution to Non-Newtonian Boundary Problems using Dimensional Analysis" from Veer Narmad South Gujarat University, Surat. Additionally, she has recently published a paper titled "A New Similarity Analysis Method for Power Law Fluids Considering Variable Physical Properties" in the field of Mathematics.

3.



**PROF. HETALI A.
DHIMMAR**

We are excited to announce the remarkable achievement of our faculty, Prof. Hetali A. Dhimmarr, who has successfully passed the Gujarat State Eligibility Test (GSET) in Mathematics.



SHRI SITARAM N PATEL INST. OF TECH. & RES. (SNPIT)

Chemical Engineering

(શ્રી સીતારામભાઈ નારણજી પટેલ ડિગ્રી હજનેરી કોલેજ)

At & Po Baben, Ta: Bardoli, Dist: Surat-394601

For Admission:

90 99 70 78 78



SNPIT & RC

www.snpitrc.ac.in

Chemical Engineering Department

About Department:

The Department offers an Undergraduate Program in Chemical Engineering. The Department consists of highly qualified young and dynamic faculty members. The Department is having state of art laboratory facilities (NABL accredited) comprising of equipment like indigenous Continuous (2-50 kg/hr) and batch (5 kg) Pyrolyser, Gas Chromatograph (GC), Atomic Absorption Spectrophotometer (AAS) and many more. The Department has established strong relations with industries (GPCB approved Schedule-I Environmental Auditor) to achieve academic excellence along with up-to-date training on current professional practices.

The Department also offers consultancy services to the industries and industrial problem solving through industry-interaction. The Department has organized many training programs for professionals and for faculty members in area of core chemical engineering, environmental engineering and biofuels. The Department has won many prestigious National awards from various organizations like the Ministry of Chemicals & Fertilizer, New Delhi & Indian Society for Technical Education (ISTE). The Department has acquired many R & D projects from the Government of India such as the Ministry of New & Renewable Energy (MNRE), New Delhi and Gujarat Energy Development Agency (GEDA), Gandhinagar.

Message From Head of Department:



Dr. Miral R. Thakker

As Head of the Department, it is my pleasure to welcome you to the department of Chemical Engineering. Department has both experienced and young faculties who have graduated from reputed institutions. The faculties as well as students pride themselves in continually evolving in to well-rounded personalities. Our faculties have delivered expert lectures in various areas with industrial experts from Solvay Specialties, Deccan Chemical India Pvt. Ltd. They regularly conduct guest lectures, industry visits and other co and extracurricular activities. Under the aegis of IICChE Students' Chapter organize various technical activities like paper presentation, quiz, debate, essay etc. The national level symposium "Rasayan" is celebrated by inviting students to present their work. B.E. Chemical Engineering program is an excellent blend of fundamentals of Chemical Engineering and allied branches combined with practical skills which are essential to begin professional practice after graduation. Our students are exposed to practical problems through the department's 06 well equipped laboratories. The department also has Research Laboratory equipped with high end analytical equipment like UV Spectrophotometer, Gas Chromatograph, Atomic Absorption Spectrophotometer, HACH Spectrophotometer, etc. and experimental facilities such as Auger reactor, Vacuum Dryers, Incubators etc., exclusively for the academic projects of students. Engaging students in academic/sponsored projects and in technical events help them become competent and confident Chemical Engineers. Finally, I wish Chemical Engineering students pleasant and successful four years in the department.

Why To Choose Degree Chemical Engineering Course?

Chemical engineering offers a unique blend of scientific knowledge and practical skills, making it an attractive choice for those interested in problem-solving and innovation. By understanding the fundamental principles of chemistry and applying them to real-world challenges, chemical engineers play a crucial role in developing new technologies and improving existing processes.

One of the key advantages of pursuing a degree in chemical engineering is the versatility it offers. Graduates can work in a wide range of industries, including manufacturing, energy, biotechnology, and food processing. This diversity of career options allows individuals to explore different fields and find the area that best suits their interests and strengths.

Moreover, chemical engineering is a dynamic field that is constantly evolving. As new materials, technologies, and environmental concerns emerge, there is a growing demand for skilled professionals who can adapt to these changes and develop innovative solutions. This means that graduates can enjoy long-term career stability and opportunities for growth and advancement.

Additionally, chemical engineering provides a platform for making a positive impact on society and the environment. Whether it's developing cleaner energy sources, designing sustainable manufacturing processes, or improving access to clean water and healthcare, chemical engineers have the potential to address some of the world's most pressing challenges.

Furthermore, a degree in chemical engineering equips students with valuable transferable skills such as problem-solving, critical thinking, and project management. These skills are highly sought after in today's job market and can open doors to diverse career paths, including roles in research, consulting, management, and entrepreneurship.

In summary, choosing a degree in chemical engineering offers numerous benefits, including diverse career opportunities, the ability to make a meaningful impact, and valuable skills for personal and professional growth. It is a field that combines scientific rigor with practical application, making it an exciting and rewarding choice for aspiring engineers.



Faculty Details:

Sr. No.	Name	Qualification	Specialization	Designation
1.	Dr. Miral R. Thakker	Ph.D., M.E., B.E.	Chemical Engineering	Vice Principal, Head & Associate Professor
2.	Dr. Nilesh S. Dumore	Ph.D., M.Tech., B.Tech.	Chemical Engineering	In charge Head & Assistant Professor
3.	Dr. Jaydeep M. Barad	Ph.D., M.E., B.E.	Chemical Engineering	Associate Professor
4.	Dr. Chandrabhushan T. Pal	Ph.D., M.E., B.E.	Chemical Engineering	Associate Professor
5.	Prof. Jignesh A. Parmar	Ph.D. Pursuing, M.E., B.E.	Chemical Engineering	Assistant Professor
6.	Prof. Nisha S. Ojha	M.E., B.E.	Chemical Engineering	Assistant Professor
7.	Prof. Shreyans R. Mahant	M.E., B.E.	Chemical Engineering	Assistant Professor
8.	Prof. Riya B. Patel	Ph.D. Pursuing, M.E., B.E.	Chemical Engineering	Assistant Professor
9.	Prof. Tamanna D. Patel	M.E., B.E.	Chemical Engineering	Assistant Professor

Faculty Assets



Dr. Miral R. Thakkar
(Vice Principal, HOD &
Associate Professor)
miral.thakker@snpitrc.ac.in



Dr. Nilesh S. Dumore
(Assistant Professor)
nilesh.dumore@snpitrc.ac.in



Dr. Jaydeepsinh M. Barad
(Associate Professor)
jaydeep.barad@snpitrc.ac.in



Dr. Chandra Bhushan T. Pal
(Associate Professor)
chandra.pal@snpitrc.ac.in



Prof. Jignesh A. Parmar
(Assistant Professor)
jignesh.parmar@snpitrc.ac.in



Prof. Nisha S. Ojha
(Assistant Professor)
nisha.ojha@snpitrc.ac.in



Prof. Shreyans R. Mahant
(Assistant Professor)
shreyans.mahant@snpitrc.ac.in



Prof. Riya B. Patel
(Assistant Professor)
riya.patel@snpitrc.ac.in

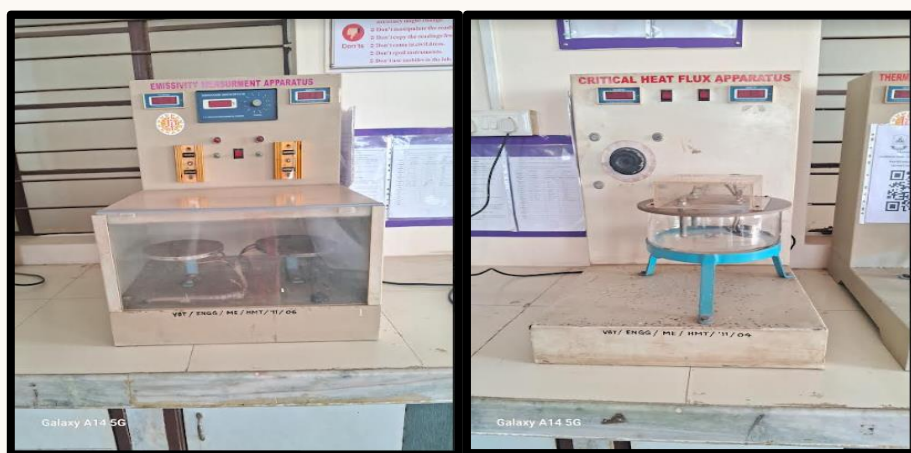


Prof. Tamanna D. Patel
(Assistant Professor)
tamanna.patel@snpitrc.ac.in

Laboratory Facilities

Heat Transfer Lab

This lab is a part of the curriculum of Chemical 3rd year students with facilities for the group of 30 students to carry out experiments independently. The lab is well-equipped with calibrated equipment and enables students to understand the basics of modes of heat transfer i.e., conduction, convection and radiation. Heat Transfer laboratory provides fundamental and industrial knowledge about modes of heat transfer, like conduction, convection and radiation, and their application.



Emission measurement apparatus and critical heat flux apparatus



Thermal conductivity of insulation powder

Fluid Flow Operation Lab

This lab is a part of the curriculum of Chemical 2nd year students with facilities for the group of 30 students to carry out experiments independently. The lab is well-equipped and enables students to understand the basics of fluid flow operation (laminar, turbulent, transition flow etc.) that takes place during the process in the chemical industry. It also provides a platform to study and analyse various properties associated with the fluid when it is in flow condition.



Venturi meter apparatus



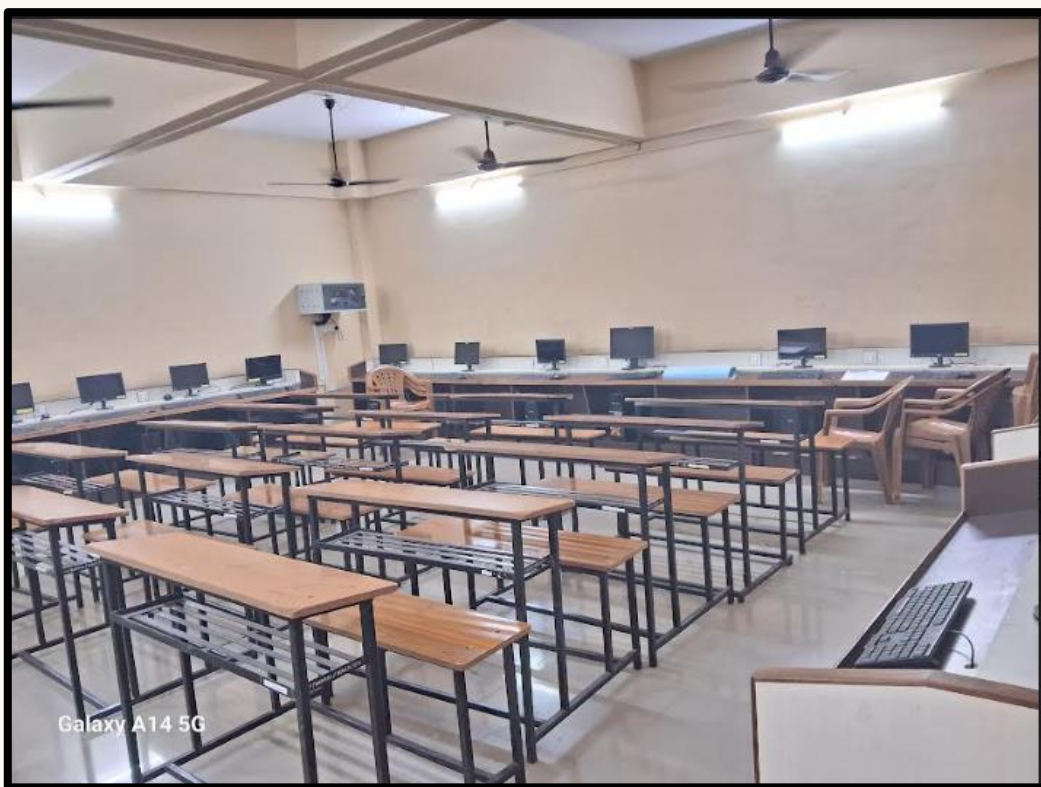
Bernoulli's apparatus



Reynold's apparatus

Computer Aided Process Synthesis Lab

This lab is for Chemical final year students with facilities for the group of 30 students to carry out experiments independently. The design engineer needs to know the basics of fluids, heat transfer, separations, and reactor engineering for selection of the steps as individual operations and their integration to form an efficient process synthesis.



Computer Lab

Mechanical Operation Lab

This lab is for Chemical 3rd year students with facilities for the group of 30 students to carry out experiments independently. The lab is well-equipped and enables students to understand the basics of mechanical operation (crushing, grinding, screening, filtration, etc.) takes place during the process in chemical industry. It also provides a platform to study and analyse various properties associated with the solid when it is in flow condition.



Jaw crusher



Roll Crusher



Froth Flootation Unit & Air Compressor

Mass Transfer Lab

This lab is for Chemical 3rd year students with facilities for the group of 30 students to carry out experiments independently. The lab is well-equipped and enables students to understand the principles of mass transfer operations. In this laboratory, unit operations such as distillation, humidification, drying etc. also performed.



Fluidized bed Reactor



Sieve Plate Distillation Column



Experimental Water-Cooling Tower

Instrumentation Process Control Laboratory

This lab is a part of curriculum of Chemical 3rd year students with facilities for the group of 30 students to carry out experiments independently. The lab is well-equipped with distributed controlled system and enables students to understand the basics concept of Automation.



PC- PID BASED MULTI PROCESS CONTROL

Petroleum Refining and Petrochemicals

This lab is for chemical Engineering 3rd year students with facilities for the group of 30 students to carry out experiments independently. The lab is well-equipped and enables students to understand the basics of petroleum refining takes place during the process in chemical industry. It also provides a platform to study and analyse various properties associated with the liquid when it is in flow condition.



Saybolt Viscometer apparatus



Cloud point and Pour point apparatus



Flash point apparatus

Chemical Reaction Engineering Lab

This lab is a part of the curriculum of Chemical 3rd year students with facilities for the group of 30 students to carry out experiments independently. The lab is well-equipped with calibrated equipment and enables students to understand the basics of modes of chemical reaction engineering i.e., Plug flow reactor, continuous stirred tank reactor etc. Chemical Reaction laboratory provides fundamental and industrial knowledge about modes of plug flow reactor, CSTR mix flow reactor and their application.



RTD in plug mix flow apparatus



CSTR in series apparatus



Plug Flow Reactor

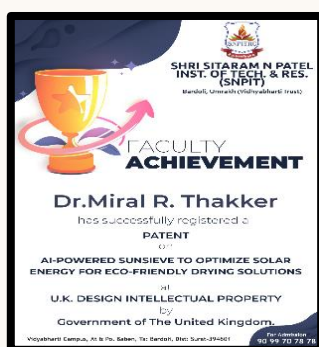
Faculties Achievements

Sr. No.

Faculty Name

Achievement

1



Dr.Miral R. Thakker





Dr. Miral R. Thakker has achieved a proud moment by successfully registering a patent for the AI-powered Sunsieve at the U.K. Design Intellectual Property by the Government of the United Kingdom. This innovative technology aims to optimize solar energy for eco-friendly drying solutions.

2



Dr. Miral R. Thakker

Dr. Miral R. Thakker received the Best Teacher Award from the Southern Gujarat Chamber of Commerce and Industries in the august presence of Hon. Praful Chhaganbhai Pansheriya, Honorable Minister of Gujarat State for Parliamentary Affairs, Primary, Secondary, and Adult Education, Higher Education, Vice-Chancellors of several universities, and other leaders from industries. The awardees were selected from more than 250 nominations across Gujarat State.

Sr. No.	Faculty Name	Achievement
3	 <p>Dr. Chandrabhushan T. Pal</p>	Proud moment for SNPIT&RC as Dr. Chandra Bhushan T. Pal, Assistant Professor from the Chemical Department, received The Best Faculty Award from the Indian Society for Technical Education (ISTE) Gujarat on 27th April 2023.
4	 <p>Dr. Nilesh S. Dumore</p>	Dr. Nilesh S. Dumore has successfully registered a research paper titled "Electroanalytical Study of SSeNPs-CGA-FTO Electrochemical Sensor towards the Detection of H ₂ O ₂ " in the Journal of Electrochemical Materials.
5	 <p>Dr. Nilesh S. Dumore</p>	Dr. Nilesh S. Dumore has successfully registered a research paper titled "Electroanalytical Performance of Non-Enzymatic Electrochemical Sensor based on PtNPs-SeNPs-SnO ₂ NPs@BFTO Nanocomposites for the Detection of Hydrogen Peroxide" in the Journal of Electrocatalysis.
6	 <p>Prof. Shreyans R. Mahant</p>	Prof. Shreyans R. Mahant attended a six-day online national-level short-term training program on "Learning Statistical Analysis with Hands-on Training of Software" under the Department of Science & Technology.

Sr. No.

Faculty Name

Achievement

7



Prof. Jignesh A. Parmar

Prof. Jignesh A. Parmar participated in the National-level online Faculty Development Program on Research Methodology using ChatGPT and AI tools organized by the PG Department of Computer Application.

8



Prof. Riya B. Patel

Prof. Riya B. Patel participated in the National-level online Faculty Development Program on Research Methodology using ChatGPT and AI tools organized by the PG Department of Computer Application.

Student's Achievements

Sr. No.

Faculty name

Achievement

1.



Mr. Vikash V. Shah

Mr. Vikash V. Shah, a B.E. Sem-7 student, has secured the 1st rank based on SPI and CGPA and the 2nd rank based on CPI in Chemical Engineering at All Over Gujarat in GTU Winter -2022 examination.

Sr. No.	Faculty name	Achievement
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2.



Mr. Jayesh G. Patil

Mr. Jayesh G. Patil from the Chemical Engineering Department, Semester 6th, has qualified the GATE-2023 Exam. GATE-2023 was conducted by IIT, Kanpur.

3.



Mr. Umrethiya Dhaval

Umrethiya Dhaval has secured 1st Rank in Chemical Engineering Branch in Surat Region and 8th Rank in Chemical Engineering Branch all over Gujarat - CPI wise in the Summer 2022 Examination, GTU (Semester-8).

4.



One of our Chemical engineering students has successfully participated in the "DRAMA TRAINING CAMP-2023" organized by Gujarat Technology University.

Sr. No.	Faculty name	Achievement
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5.



Mr. Krish D. Panchal participated in the "DRAMA TRAINING CAMP-2023" organized by Gujarat Technology University.

6.



Mr. Manav M. Jaisinghani participated in the "DRAMA TRAINING CAMP-2023" organized by Gujarat Technology University.

Initiatives related to industrial interaction and students training



The Department of Chemical Engineering, in Association with Gujarat Technological University, organized a three-day workshop on "New Advancements in Heat and Mass Transfer: Fundamentals and Application" dated 18th- 20th December 2023. More than 50 students and faculties from Chemical Engineering Department, SNPIT&RC UmraKh, have participated.



After the Inaugural ceremony, Prof. Hitesh M. Jariwala GEC, Valsad conducted a highly interactive Heat Transfer: Innovation and Application session. He explained the Basics of Heat Transfer Operation and provided knowledge about DWSIM software to participants. Heat transfer can occur in three modes: conduction, convection, and radiation, and basic laws related to conduction, convection, and radiation modes.



On the Second day 19 December 2023, the workshop began with the session on Mass Transfer: Fundamentals and Application by Dr. Jaydeep M. Barad, in which he described several points on Mass Transfer Operation. Mass transfer is the net movement of mass from one location (stream, phase, fraction, or component) to another. Mass transfer occurs in many processes, such as absorption, evaporation, drying, precipitation, membrane filtration, and distillation.



On Day 3, 20 December 2023, the workshop will start with an industrial visit to Bardoli Sugar Factory, Bardoli. According to the route and time plan, the bus departed from SNPIT&RC Umrakh Vidhya Bharati campus at 10.00 am and reached the Bardoli Sugar Factory at 10:15 am. A sugar factory visit was arranged successfully with the help of administrative officer Mr. Rinkesh Patel. After the completion of the entry procedure at the main gate to enter the plant, one mechanical engineer was appointed to visit, welcomed us with safety helmets and guided us about the plant.

Ranker students of academic year 2022-23:

Chemical Engineering Department				
SEM-7				
RANK	PEN	NAME	SPI	CPI
1	190490105054	Shah Vikash Vijay Kumar	9.63	9.55
2	200490105502	Rana Rohan Jigneshbhai	9.08	9.14
3	190490105058	Surana Manan Vikram	8.21	9.1



Shah Vikash Vijaykumar



Rana Rohan Jigneshbhai



Surana Manan Vikram

Chemical Engineering Department				
SEM-5				
RANK	PEN	NAME	SPI	CPI
1	200490105035	Patel Jeelkumar Mukeshbhai	9.35	8.49
2	200490105023	Patil Jayesh Gulab	9.3	8.9
3	200490105005	More Gautambhai Vijaybhai	9.09	8.31



**Patel Jeelkumar
Mukeshbhai**



Patil Jayesh Gulab



**More Gautambhai
Vijaybhai**

Chemical Engineering Department				
SEM-3				
RANK	PEN	NAME	SPI	CPI
1	210490105044	Patel Smitkumar Bhupatsinh	8.87	8.98
2	210490105043	Prajapati Jaykumar Mukundbhai	8.74	8.15
3	210490105012	Rakholiya Akshar Prakashbhai	8.35	8.15



**Patel Smitkumar
Bhupatsinh**



**Prajapati Jaykumar
Mukundbhai**



**Rakholiya Akshar
Prakashbhai**

Chemical Engineering Department				
SEM-1				
RANK	PEN	NAME	SPI	CPI
1	220490105006	Dhandhukiya Manthan Govindbhai	8.53	8.53
	220490105007	Gangwar Nishu Mahendra Pal	8.53	8.53
2	220490105008	Goswami Rudragir Maheshgir	8.2	8.2
3	220490105014	Patel Krunal Arvindbhai	7.93	7.93



**Dhandhukiya
Manthan
Govindbhai**



**Gangwar Nishu
Mahendra pal**



**Goswami Rudragir
Maheshgir**



**Patel Krunal
Arvindbhai**

Chemical Engineering Department				
SEM-8				
RANK	PEN	NAME	SPI	CPI
1	190490105054	Shah Vikash Vijay Kumar	10	9.59
2	190490105015	Parmar Hardikkumar Jigneshbhai	10	8.77
3	190490105016	Parmar Raj Chandrakant	10	8.43



Shah Vikash Vijaykumar



**Parmar Hardikkumar
Jigneshbhai**



Parmar Raj Chandrakant

Chemical Engineering Department				
SEM-6				
RANK	PEN	NAME	SPI	CPI
1	200490105005	Patil Jayesh Gulab	9.13	8.94
2	200490105018	Ghinaiya Ronak Hasmukhbhai	9.17	8.79
3	200490105035	Patel Jeelkumar Mukeshbhai	9	8.58



Patil Jayesh Gulab



**Ghinaiya Ronak
Hasmukhbhai**



Patel Jeelkumar Mukeshbhai

Chemical Engineering Department				
SEM-4				
RANK	PEN	NAME	SPI	CPI
1	210490105044	Patel Smitkumar Bhupatsinh	9.61	9.15
2	210490105043	Prajapati Jaykumar Mukundbhai	9	8.38
3	210490105012	Rakholiya Akshar Prakashbhai	8.78	8.32



Patel Smitkumar Bhupatsinh



**Prajapati Jaykumar
Mukundbhai**



**Rakholiya Akshar
Prakashbhai**

Chemical Engineering Department				
SEM-2				
RANK	PEN	NAME	SPI	CPI
1	220490105021	Solanki Pratikkumar Dipakbhai	8.13	8.03
2	220490105014	Patel Krunal Arvindbhai	8.08	8.03
3	220490105007	Gangwar Nishu Mahendra Pal	7.75	8.05



**Solanki Pratikkumar
Dipakbhai**



Patel Krunal Arvindbhai



**Gangwar Nishu
Mahendrapal**



Placement Details:

Sr. No.	Name of the Student	Enrolment No	Name of the Firm
1.	Devang Kyada	190490105008	Vgrown Tech Pvt. Ltd., Surat
2.	Smit R. Lad	190490105009	Macleods Pharmaceuticals ltd.
3.	Aafrid I.Metar	190490105011	Macleods Pharmaceuticals ltd.
4.	Parekh Mihir Vinesh	190490105014	Vgrown Tech Pvt. Ltd., Surat
5.	Parmar Hardikkumar Jigneshbhai	190490105015	Vgrown Tech Pvt. Ltd., Surat
6.	Raj C. Parmar	190490105016	Macleods Pharmaceuticals ltd.
7.	Fenilkumar J. Patel	190490105024	Innovsource Services Private Limited
8.	Patel Jimikumar Laxmanbhai	190490105027	Vgrown Tech Pvt. Ltd., Surat
9.	Milankumar Dhansukhbhai Patel	190490105030	Vgrown Tech Pvt. Ltd., Surat
10.	Monik R. Patel	190490105031	Macleods Pharmaceuticals ltd.
11.	Ronitkumar P. Patel	190490105036	Macleods Pharmaceuticals ltd.
12.	Vartik R. Patel	190490105040	Vgrown Tech Pvt. Ltd., Surat
13.	Patel Yash Kumar Subhashbhai	190490105044	Vgrown Tech Pvt. Ltd., Surat
14.	Patil Swapnil Vijaybhai	190490105045	Vgrown Tech Pvt. Ltd., Surat



Sr. No.	Name of the Student	Enrolment No	Name of the Firm
15.	Akash Pradhan	190490105048	Vgrown Tech Pvt. Ltd., Surat
16.	Aakash Prajapati	190490105049	Vgrown Tech Pvt. Ltd., Surat
17.	Bhavik A. Prajapati	190490105050	Macleods Pharmaceuticals ltd.
18.	Harshit P. Rohit	190490105053	Hi-Tech Inks Pvt.. Ltd.
19.	Vikash V. Shah	190490105054	Macleods Pharmaceuticals ltd.
20.	Shirsath Jigneshkumar D.	190490105056	Vgrown Tech Pvt. Ltd., Surat
21.	Tarsadiya Rutviksinh Gulabsinh	190490105059	Vgrown Tech Pvt. Ltd., Surat
22.	Trivedi Pranavkumar Vasantbhai	190490105060	Vgrown Tech Pvt. Ltd., Surat
23.	Kishor K. Vasava	190490105062	HLE Glascoat
24.	Yosefbhai H. Vasava	190490105063	HLE Glascoat
25.	Rai Rupesh Rajesh	200490105503	Vgrown Tech Pvt. Ltd., Surat
26.	Krutarth V. Rana	200490105504	Macleods Pharmaceuticals ltd.
27.	Fenilkumar J. Patel	190490105024	Innovsource Services Private Limited



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SHRI SITARAM N PATEL INST. OF TECH. & RES. (SNPIT)

(શ્રી સીતારામભાઈ નારણજી પટેલ ડિગ્રી કોલેજ)

Civil Engineering

(શ્રી સીતારામભાઈ નારણજી પટેલ ડિગ્રી કોલેજ)

At & Po Baben, Ta: Bardoli, Dist: Surat-394601

For Admission:

90 99 70 78 78

About Department

The Civil Engineering Department has been offering a Bachelor of Engineering course since 2009, with a current intake of 120 seats. Additionally, the department initiated the Post Graduate (M.E) program in 2012, providing 18 seats. The primary objective of the department is to bridge the gap between rapidly expanding technological demands and innovation. It emphasizes a research-based approach and employs skilled, quality-conscious methods to establish a commendable presence in the academic field of civil engineering. This branch of engineering imparts a diverse range of technical education tracks, covering fundamentals to advanced methodologies within the civil engineering field. The program not only offers a solid foundation but also opens up bright and promising career opportunities for professional advancement. The Civil Engineering department is committed to ensuring that students have the opportunity to work with the latest technologies and equipment. It encourages innovative thinking and exposure to ongoing civil engineering projects both in the field and industries. This comprehensive approach equips students with the knowledge and skills necessary for a successful career in civil engineering.

Message From Head of Department



**Prof. Keyur P.
Shah**

Civil Engineering stands out as a "People Serving Profession," acknowledged for its versatility and status as one of the oldest engineering disciplines. Its roots can be traced back to the moment when someone first created shelter and a roof over their head, addressing the built environment. The future vitality of the civil engineering profession hinges on cultivating an engineering workforce that mirrors the diversity of the population it serves. The Civil Engineering Program at S. N. Patel Institute is dedicated to providing students with a comprehensive educational foundation essential for modern civil engineering practice and research.

Our primary objective is to train technocrats who can apply their engineering knowledge for the nation's development. The program achieves this through well-qualified faculties, state-of-the-art laboratories, timely arrangements for field visits, and expert talks. These elements collectively enhance students' understanding and critical thinking abilities, fostering precision. A key defining factor of a successful civil engineer is the ability to meticulously plan and implement projects down to the smallest detail. The program at S. N. Patel Institute is designed to instil this precision in our students, ensuring they are well-equipped for the challenges of the field.

Why To choose the Civil Engineering Department?

Civil engineers play a pivotal role in shaping our world, contributing directly to societal improvement by designing and constructing vital infrastructure such as bridges, roads, and buildings. Additionally, they are involved in managing water resources and environmental systems.

The field of civil engineering offers diverse specializations, allowing professionals to focus on specific aspects of the discipline. These specializations include Structural Engineering, Transportation Engineering, Geotechnical Engineering, Environmental Engineering, Water Resources Engineering, Construction Engineering and Management, Coastal Engineering, Materials Engineering, Earthquake Engineering, Urban and Regional Planning, Surveying and Geomatics, Risk and Reliability Engineering, Pavement Engineering, Structural Health Monitoring, and Renewable Energy Engineering.

The demand for skilled civil engineers remains consistently high. As infrastructure ages and populations expand, there is an ongoing need for professionals capable of designing, building, and maintaining essential structures. This demand ensures excellent job security for individuals pursuing a career in civil engineering.

The skills and knowledge acquired in civil engineering are globally applicable. Infrastructure development is a perpetual requirement worldwide, providing civil engineers with opportunities to contribute to projects on local, national, or even international scales. This global relevance opens doors for professionals to work in various regions and cultures



Faculty Details

Sr. No.	Name	Qualification	Specialization	Designation
1.	Prof. Keyur P. Shah	Ph.D. (Pursuing), M. Tech	Structural Engineering	I/C Head & Assistant Professor
2.	Dr. Yazad C. Jabbar	Ph.D	Water Resource Engg. and Management	Associate Professor
3.	Prof. Neetu B. Yadav	Ph.D. (Pursuing) M.E.	Construction Engineering and Management	Assistant Professor
4.	Dr. Bankim R. Joshi	Ph.D	Water Resources Engg	Assistant Professor
5.	Prof. Sandip K. Mistry	M.E.	Environmental Management	Assistant Professor
6.	Prof. Jaydeep V. Vashi	M.Tech.	Structural Engineering	Assistant Professor
7.	Prof. Krunal A. Shah	M.Tech	Soil Mechanics & Foundation Engineering	Assistant Professor
8.	Prof. Nikunj M. Ashiyani	M.E.	Irrigation Water Management	Assistant Professor
9.	Prof. Jenish M. Mistry	M.Tech	Structural Engineering	Assistant Professor
10.	Prof. Arun H. Prajapati	M.E.	Structural Engineering	Assistant Professor
11.	Prof. Kinjal J. Patel	M.E.	Construction Engineering & Management	Assistant Professor
12.	Prof. Drashti S. Patel	M.E.	Construction Engineering and Management	Assistant Professor
13.	Prof. Vishakha N. Surati	M.E.	Construction Engineering and Management	Assistant Professor



Sr. No.	Name	Qualification	Specialization	Designation
14.	Prof. Omika R. Patel	M.Tech	Soil Mechanics & Foundation Engineering	Assistant Professor
15.	Prof. Aarti P. Borse	M.Tech	Structural Engineering	Assistant Professor
16.	Prof. Dhaval M. Patel	Ph.D	Structural Engineering	Assistant Professor
17.	Dr. Jigar P. Variyavwala	Ph.D	Structural Engineering	Assistant Professor
18.	Prof. Bhavesh R. Patel	M.Tech.	Structural Engineering	Assistant Professor
19.	Prof. Rushi B. Patel	M.E.	Construction Engineering and Management	Assistant Professor
20.	Prof. Jency P. Mevawala	M.E.	Town and Country Planning	Assistant Professor
21.	Prof. Dev P. Naik	M.E.	Water Resources Engg.	Assistant Professor
22.	Prof. Darshil V. Shah	M.E.	Construction Engineering and Management	Assistant Professor
23.	Prof. Chaitali D. Solanki	M.E.	Environmental Engg.	Assistant Professor

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(Assistant Professor)
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trc.ac.in

Lab Facilities

Surveying Laboratory

The Surveying Laboratory at S. N. Patel Institute of Technology stands as a cornerstone in civil engineering education, emphasizing the study and application of measuring and mapping techniques for precise topographic mapping and property delineation, pivotal for the planning and design of construction projects. Under the guidance of expert faculty, students gain hands-on experience with cutting-edge surveying equipment and technologies. They master techniques such as measuring horizontal and vertical angles with theodolite, determining irregular figure areas using a planimeter, and locating buildings through plane table surveying and theodolite traversing.



Surveying practical

These skills are vital for accurate land surveying and site development. Moreover, exercises in setting out circular curves, tacheometric surveying, and topographic mapping enable students to grasp curve setting and alignment design, essential for road and railway construction. Advanced exercises in contour planning, remote sensing map interpretation, and GPS surveying further enhance their proficiency in contour mapping and spatial data analysis. Introductions to GIS applications and aerial photo interpretation equip students with valuable skills for spatial data management in civil engineering projects. This practical exposure ensures that our civil engineering graduates are well-prepared to conduct accurate land surveys, intricate topographic mapping, and

spatial data analysis, thereby contributing significantly to the development of sustainable and resilient infrastructure.

Concrete Technology Laboratory:

The Concrete Technology Laboratory at S. N. Patel Institute of Technology is a pivotal component of civil engineering education, focusing on the comprehensive study of concrete properties and behaviour, which are fundamental to the design, construction, and maintenance of concrete structures. The practical exercises, meticulously designed by our faculty, provide students with hands-on experience in a variety of tests to evaluate the properties and performance of cement, aggregates, and concrete. Through exercises like determining cement fineness, setting time, and soundness, students learn to assess cement quality, crucial for ensuring the durability and strength of concrete structures. Sieve analyses of aggregates, specific gravity, and water absorption tests offer insights into aggregate quality and grading, which are essential for designing concrete mixes with optimal workability and strength. Practical tests evaluating the workability, compressive strength, tensile strength, and flexural strength of concrete, along with rebound hammer tests for concrete strength, enable students to understand both fresh and hardened concrete properties. This knowledge is vital for quality control and ensuring the performance and safety of concrete structures. With this practical exposure, our civil engineering graduates are equipped with the knowledge and skills to design, analyse, and manage concrete structures and materials, ensuring the durability, safety, and sustainability of civil engineering projects, and contributing to the development of resilient and sustainable infrastructure.



Universal Testing Machine

Mechanics of Solids Laboratory

The Mechanics of Solids Laboratory at S. N. Patel Institute of Technology is a foundational component of civil engineering education, focusing on the study of solid material behaviour under various loading conditions and the mechanical properties of construction materials. Our faculty has meticulously designed practical exercises that offer students hands-on experience in a variety of experiments to understand statics principles and mechanics of deformable bodies. Exercises like equilibrium of concurrent, non-concurrent, and parallel forces, determination of reactions of simply supported beams, and verification of the principle of moments enable students to analyse and predict the behaviour of structures under different loading conditions.



Law of Parallelogram Experiment

These skills are crucial for the design and analysis of structural elements and systems. Exercises on triangular truss member force determination and machine parameter determination provide students with insights into the analysis and design of truss structures and mechanical systems, essential for the design and analysis of structural and mechanical systems in civil engineering projects. Additionally, experiments in the mechanics of deformable bodies, including hardness tests on metals, impact tests, and compression and tensile strength tests, enable students to evaluate and characterize the mechanical properties of construction materials, essential for the selection of appropriate materials and ensuring the safety, durability, and performance of civil engineering structures. With this practical exposure, our civil engineering graduates are well-

prepared to analyse, design, and manage the structural and mechanical aspects of civil engineering projects, ensuring the safety, resilience, and sustainability of civil engineering structures and systems.

Soil Mechanics Laboratory:

The Soil Mechanics Laboratory at S. N. Patel Institute of Technology is a crucial component of civil engineering education, focusing on the study of soil properties and behaviour to assess the suitability and stability of foundation and earth structures. Under the expert guidance of our faculty, students gain hands-on experience in conducting a range of geotechnical tests to evaluate soil properties and behaviour. Exercises such as auger boring/sampling, standard/dynamic cone penetration tests, and static cone penetration tests enable students to assess the physical properties and classification of soils, essential for site characterization and foundation design. Practical exercises in in-situ permeability testing, free swell and swell potential determination, and swelling pressure tests provide students with the skills to evaluate the hydraulic conductivity and volume change potential of soils, crucial for the design and analysis of drainage systems and earth structures. Moreover, exercises in planning site investigations for real-life problems and SPT (Standard Penetration Test) allow students to develop skills in planning and conducting site investigations and assessing soil strength and density, crucial for site selection, planning, and design of civil engineering projects. With this practical exposure, our civil engineering graduates are well-equipped to assess and mitigate geotechnical risks, ensuring the stability, safety, and longevity of civil engineering projects, and contributing to sustainable and resilient infrastructure development.



Triaxial Shear Test - Soil Testing Equipment

Geotechnical Engineering Laboratory

The Geotechnical Engineering Laboratory at S. N. Patel Institute of Technology is an integral part of civil engineering education, focusing on the study of soil properties and behaviour to assess the suitability and stability of foundation and earth structures. Our faculty has meticulously designed practical exercises that equip students with hands-on experience in conducting a range of geotechnical tests to evaluate soil properties and behaviour. Exercises such as in-situ density tests, sieve analysis, Atterberg's limit tests, and permeability tests enable students to assess the physical properties and classification of soils, essential for site characterization and foundation design. Practical exercises in Proctor compaction tests, consolidation/oedometer tests, and direct box shear tests provide students with the skills to evaluate soil compaction, compressibility, and shear strength, crucial for earthwork and foundation design. Moreover, exercises in unconfined compression tests, triaxial compression tests, laboratory vane shear tests, SPT, and CBR tests are vital for determining the strength and mechanical properties of soils, essential for the design of retaining walls, slopes, and pavements. With this practical exposure, our civil engineering graduates are well-equipped to assess and mitigate geotechnical risks, ensuring the stability, safety, and longevity of civil engineering projects, and contributing to sustainable and resilient infrastructure development.



Sieve Analysis in Geo-Technology Practical

Fluid Mechanics and Hydraulics Laboratory

The Fluid Mechanics and Hydraulics Engineering Laboratory at S. N. Patel Institute of Technology is an essential component of civil engineering education, focusing on the study of fluid behaviour and hydraulic principles, which are fundamental to the design and analysis of water supply, drainage systems, and hydraulics of structures. Under the guidance of our expert faculty, students gain hands-on experience in conducting a range of experiments to understand fluid properties, flow characteristics, and hydraulic principles. Exercises like measurement of viscosity, study of pressure measurement devices, and hydrostatic force and centre of pressure on flat/curved surfaces enable students to evaluate and analyse fluid properties and pressure distribution, essential for the design and analysis of hydraulic structures and systems. Additionally, exercises on stability of floating bodies, study of laminar and turbulent flows (Reynold's experiment), and verification of Bernoulli's theorem provide students with insights into fluid behaviour and flow phenomena, crucial for understanding and predicting fluid flow in hydraulic systems. Practical exercises in determining hydraulic coefficients of a small circular orifice, calibration of flow measuring devices, and pipe friction enable students to evaluate and design water supply and drainage systems. With this practical exposure, our civil engineering graduates are well-equipped with the knowledge and skills to design, analyse, and manage hydraulic systems and structures, ensuring efficient and sustainable water supply and drainage systems, and contributing to the development of resilient and sustainable infrastructure.



Fluid Mechanics Lab Practical

Transportation Engineering Laboratory

The Transportation Engineering Laboratory at S. N. Patel Institute of Technology is a critical component of civil engineering education, focusing on the study of materials and testing methods used in the design, construction, and maintenance of transportation infrastructure, such as roads, highways, and airports. Our faculty has meticulously designed practical exercises that offer students hands-on experience in conducting a range of tests to evaluate the properties and performance of construction materials and bituminous mixtures used in transportation projects. Exercises such as determining California Bearing Ratio values, aggregate crushing value, aggregate impact value, flakiness index, elongation index, and Los Angeles abrasion value enable students to assess the strength, durability, and quality of aggregates, crucial for selecting appropriate materials and ensuring the longevity and performance of road and highway pavements. Practical exercises in specific gravity and water absorption tests for aggregates, penetration tests, ductility tests, flash point, fire point, softening point, specific gravity, and viscosity tests for bitumen provide students with insights into the properties and behaviour of bituminous materials, essential for the selection, design, and quality control of bituminous pavements and road construction. With this practical exposure, our civil engineering graduates are equipped with the knowledge and skills to evaluate, design, and manage transportation infrastructure projects, ensuring the safety, durability, and sustainability of transportation systems, and contributing to the development of efficient and resilient transportation networks.



Transportation Engineering Laboratory

The Environmental Engineering Laboratory at S. N. Patel Institute of Technology is paramount to understanding the impact of civil projects on the environment and ensuring sustainable development. Our faculty has curated practical's that cover a comprehensive range of environmental parameters, providing students with hands-on experience in assessing and monitoring water and air quality, as well as ambient noise levels. Students learn the physical characterization of water, including turbidity, conductivity, and pH, which are crucial for evaluating water quality and suitability for various uses.



Environmental Engineering Practical for Physical Characterization of Waste Water

Analysis of solids content, alkalinity, acidity, and hardness enables students to assess the mineral content and overall quality of water. Determination of chlorides, coagulant doses using the Jar Test, and measurements of COD, D.O, BOD, and residual chlorine are vital for understanding and controlling water treatment processes. Furthermore, bacteriological quality measurement and ambient air and noise monitoring equip students with the skills to evaluate the overall environmental impact of civil engineering projects. With this practical exposure, our civil engineering graduates are equipped to design, implement, and manage civil projects in compliance with environmental regulations, ensuring the protection of public health and the environment.

Celebrating Excellence: Achievements in the Civil Engineering Department

In the bustling corridors of our Civil Engineering Department, remarkable achievements are being carved out by our faculty and students, setting new benchmarks of excellence. Let's **explore** the outstanding accomplishments that have recently adorned our department's laurels.

Dr. Bankim Joshi and Dr. Jigar Variyavwala: PhD Scholars from SVNIT, Surat



Convocation photographs of Dr. Bankim R. Joshi and Dr. Jigar P. Variyavwala

Two of our esteemed faculty members, Dr. Bankim Joshi and Dr. Jigar Variyavwala, have exemplified the spirit of perseverance and dedication by successfully completing their PhD from the prestigious Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, in the year 2024. Their journey is a shining example of how challenges, when met with determination, can lead to glorious triumphs.

Earning a PhD is no small feat; it signifies the culmination of rigorous academic research and hard work. For Dr. Joshi and Dr. Variyavwala, this achievement not only marks the end of an academic journey but also opens up avenues for ground-breaking research, academic leadership,

and influential contributions to the field of Civil Engineering. Their dedication and expertise have brought pride and prestige to our institution.

Patel Rushi Bharatbhai: The Golden Achievement

In the realm of student achievements, Patel Rushi Bharatbhai has carved out a niche for himself by securing the 1st rank in Gujarat and earning the prestigious Gold Medallist title. This remarkable accomplishment is a testament to Patel Rushi Bharatbhai's exceptional performance, unwavering dedication, and relentless hard work. His success not only highlights individual brilliance but also brings honour and recognition to our institution and the entire community.



Achievement of Patel Rushi Bharatbhai (PG 2nd year student)

Patel Rushi Bharatbhai's achievement serves as an inspiration to his peers, showcasing the transformative power of commitment and perseverance. As we celebrate this momentous achievement, we extend our warmest wishes to Patel Rushi for continued brilliance in all his future endeavours.

Miss. Arpitakumari Gamit: Championing Unity and Understanding

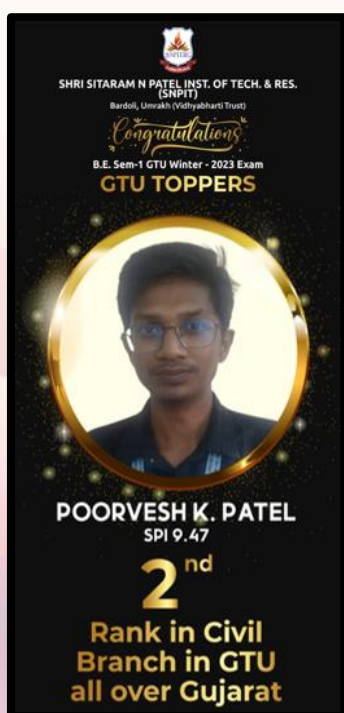
We are thrilled to share the commendable achievement of our student, Miss. Arpitakumari Gamit, who successfully completed the National Integration Camp (Adiwasi Asmita Parva) at Shree Govind Guru University in Godhara. Organized by the Government of Gujarat and the Gujarat State NSS cell in Gandhinagar, this camp provided Arpitakumari with an invaluable opportunity for cultural exchange and bridge-building among diverse communities.



Miss. Arpitakumari Gamit (student 6th Semester) at Shree Govind Guru University in Godhara

Selected from among 11,000 GTU volunteers, Arpitakumari's participation in this camp reflects her dedication, commitment, and a broader vision of fostering unity and understanding. We congratulate Miss. Arpitakumari Gamit on this commendable achievement and eagerly anticipate her positive contributions to society.

Poorvesh K Patel: Rising Star in Civil Engineering



Lastly, we take immense pride in highlighting the exceptional achievement of Poorvesh K Patel in the GTU Sem 1 Winter 2023 examination in Civil Engineering. His outstanding performance secured him the 2nd rank among all Civil Engineering students in Gujarat.

Poorvesh K Patel's achievement is a testament to his exceptional academic capabilities, dedication, and hard work. His 2nd rank in the Civil Engineering discipline across Gujarat, accompanied by an impressive Semester Performance Index (SPI) of 9.47, highlights his academic prowess and places him among the top-tier students in the field.

Ranker students' details

Civil Engineering Department - Winter 2022

SEM-1				
RANK	PEN	NAME	SPI	CPI
1	220490106010	Ganvit Divyangkumar Maheshbhai	8.13	8.13
2	220490106027	Vasava Payalben Vijaybhai	7.07	7.07
3	220490106022	Pawar Vijyetaben Sitarambhai	6.93	6.93



Ganvit Divyangkumar
Maheshbhai



Vasava Payalben Vijaybhai



Pawar Vijyetaben
Sitarambhai

SEM-3				
RANK	PEN	NAME	SPI	CPI
1	210490106081	Gamit Sandipkumar Sureshbhai	8.96	8.18
2	210490106029	Nabasa Elioda	8.74	8.95
3	210490106027	Gamit Zinalben Dilipbhai	8.7	8.16



Gamit Sandipkumar
Sureshbhai



Nabasa Elioda



Gamit Zinalben Dilipbhai

SEM-5				
RANK	PEN	NAME	SPI	CPI
1	200490106066	Sunil Rana	8.91	8.56
2	200490106090	Yadav Shubham Phulchandbhai	8.61	8.99
3	200490106094	Ganvit Divyaben Kantilal	8.26	7.67



Sunil Rana



Yadav Shubham
Phulchandbhai



Ganvit Divyaben Kantilal

SEM-7				
RANK	PEN	NAME	SPI	CPI
1	190490106130	Singh Surabhi Kripashankar	9.04	9.03
2	190490106097	Patel Diya Ajaybhai	8.79	8.55
3	190490106110	Patel Riddhi Sunilbhai	8.79	8.45



Singh Surabhi Kripashankar



Patel Diya Ajaybhai



Patel Riddhi Sunilbhai

ME SEM-1				
RANK	PEN	NAME	SPI	CPI
1	220490714016	Vyas Khyati Bhaveshkumar	8.89	8.89
2	220490714004	Chaudhari Satishkumar Surjibhai	8.44	8.44
3	220490714012	Patel Meghaben Bhupendra	8.22	8.22



Vyas Khyati Bhaveshkumar



Chaudhari Satishkumar
Surjibhai



Patel Meghaben Bhupendra

ME SEM-3				
RANK	PEN	NAME	SPI	CPI
1	210490714001	Rushi Patel	10	9.54
2	210490714008	Deeptiben Sunilbhai Gamit	9.81	9.25
3	210490714005	Palak Chimanbhai Patel	9.69	9.13



Rushi Patel



Deeptiben Sunilbhai Gamit



Palak Chimanbhai Patel

Civil Engineering Department – Summer 2023

SEM-2				
RANK	PEN	NAME	SPI	CPI
1	220490106006	Chaudhari Snehakumari Chhaniyabhai	8.38	7.69
2	220490106010	Ganvit Divyangkumar Maheshbhai	7.96	8.03
3	220490106009	Gamit Jaykumar Rajeshbhai	7.04	6.74



Chaudhari Snehakumari
Chhaniyabhai



Ganvit Divyangkumar
Maheshbhai



Gamit J Aykumar Rajeshbhai

SEM-4				
RANK	PEN	NAME	SPI	CPI
1	210490106102	Chaudhari Kinjalkumari Sunilbhai	8.87	7.81
2	210490106027	Gamit Zinalben Dilipbhai	8.78	8.33
3	210490106015	Gamit Kinjal Rameshbhai	8.09	7.24



Chaudhari Kinjalkumari
Sunilbhai



Gamit Zinalben Dilipbhai



Gamit Kinjal Rameshbhai

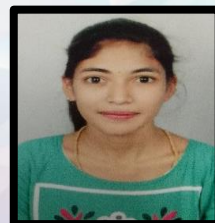
SEM-6				
RANK	PEN	NAME	SPI	CPI
1	200490106094	Ganvit Divyaben Kantilal	8.48	7.81
2	200490106066	Sunil Rana	8.39	8.53
3	200490106025	Chaudhri Shwetaben Ranchhibhai	8.39	8.02



Ganvit Divyaben Kantilal



Sunil Rana



Chaudhri Shwetaben
Ranchhibhai

SEM-8				
RANK	PEN	NAME	SPI	CPI
1	190490106128	Singh Kumariroshni Shribhagwan	10	9.11
2	190490106130	Singh Surabhi Kripashankar	10	9.1
3	190490106097	Patel Diya Ajaybhai	10	8.66



Singh Kumariroshni
Shribhagwan



Singh Surabhi Kripashankar



Patel Diya Ajaybhai

ME SEM-2				
RANK	PEN	NAME	SPI	CPI
1	220490714016	Vyas Khyati Bhaveshkumar	8.67	8.78
2	220490714004	Chaudhari Satishkumar Surjibhai	8.11	8.28
3	220490714007	Harshkumar Bharatbhai Patel	8.11	7.89



Vyas Khyati Bhaveshkumar



Chaudhari Satishkumar
Surjibhai



Harshkumar Bharatbhai Patel

ME SEM-4				
RANK	PEN	NAME	SPI	CPI
1	210490714001	Rushi Patel	10	9.65
2	210490714008	Deeptiben Sunilbhai Gamit	10	9.43
3	210490714021	Sintayehu Mesele Uka	10	9.31



Rushi Patel



Deeptiben Sunilbhai Gamit



Sintayehu Mesele Uka

Internship In Civil Engineering Department

Internships play a crucial role in the professional development of civil engineering students. They provide practical exposure to the real-world application of theoretical concepts learned during academic studies. Here's why internships are important and how they give an edge to a student's knowledge and skills:

Practical Experience: Internships offer hands-on experience, allowing students to apply theoretical knowledge to real-world projects. This practical exposure enhances their understanding of engineering principles and their application in actual construction and design scenarios.

Industry Exposure: Students get the opportunity to work in a professional environment, interact with industry experts, and understand the nuances of the civil engineering field. This exposure helps them gain insights into industry standards, practices, and trends.

Skill Development: Internships help students develop a wide range of technical and soft skills essential for a civil engineer, such as project management, problem-solving, teamwork, communication, and critical thinking.

Networking Opportunities: Internships provide students with valuable networking opportunities. Building connections with professionals in the industry can open doors to future job opportunities and mentorship. **Career Clarity:** Internships help students clarify their career goals by allowing them to explore different specializations within civil engineering. This firsthand experience can guide them in choosing the right career path and specialization.

Competitive Advantage: Having internship experience on a resume gives students a competitive edge in the job market. Employers value candidates who have practical experience and are familiar with industry practices. **Professional Development:** Internships contribute to the overall professional development of students by fostering a sense of responsibility, professionalism, and work ethic. It prepares them for the challenges and expectations of the professional world.

Scope of Placement

The scope of placement for civil engineering graduates in India is vast and diverse, offering opportunities in both government and private sectors. Below is an overview of the placement scope for various specializations in civil engineering, highlighting the key government institutions, bodies, and major private sector companies in India.

1. Structural Engineering:

- **Government:** Central Public Works Department (CPWD), State Public Works Departments (PWD), Indian Railways, National Highways Authority of India (NHAI).
- **Private:** Larsen & Toubro (L&T), Tata Projects, Shapoorji Pallonji, and Gammon India.

2. Transportation Engineering:

- **Government:** Indian Railways, Delhi Metro Rail Corporation (DMRC), National Highways Authority of India (NHAI).
- **Private:** Reliance Infrastructure, GMR Infrastructure, and Siemens.

3. Geotechnical Engineering:

- **Government:** Geological Survey of India (GSI), Central Soil and Materials Research Station (CSMRS).
- **Private:** Geokno India, Geomechanics Consultants, and Soiltech India Pvt. Ltd.

4. Water Resources Engineering:

- **Government:** Central Water Commission (CWC), State Water Boards, and Ministry of Water Resources.
- **Private:** Va Tech Wabag, Ion Exchange, and SPML Infra.

5. Environmental Engineering:

- **Government:** Central Pollution Control Board (CPCB), State Pollution Control Boards.
- **Private:** ERM India, AECOM, and Tetra Tech.

6. Construction Management:

- **Government:** National Buildings Construction Corporation (NBCC), Rail Vikas Nigam Limited (RVNL).
- **Private:** Larsen & Toubro (L&T) Construction, Shapoorji Pallonji, and Punj Lloyd.

7. Urban and Regional Planning:

- **Government:** Town and Country Planning Organization (TCPO), Urban Development Authorities.

- **Private:** Jones Lang LaSalle (JLL), Knight Frank, and AECOM.
- 8. Coastal and Ocean Engineering:
 - **Government:** National Institute of Ocean Technology (NIOT), Port Trusts.
 - **Private:** AFCONS Infrastructure, Tata Consulting Engineers, and L&T Hydrocarbon Engineering.
- 9. Material Engineering:
 - **Government:** Research and Development (R&D) departments of public sector undertakings.
 - **Private:** UltraTech Cement, ACC Limited, and Ambuja Cements.

Placement of the last year graduate students

Sr. No.	PEN	Name	Role/Post	Name of Company
1.	200490106510	Chauhan Smitkumar Sanmukhbhai	Sales Engineer	UltraTech Cement Limited, Mandvi
2.	200490106515	Choudhari Divyaben Sureshbhai	Trainee Engineer	Contour Consulting Engineers, Bardoli
3.	190490106130	Singh Surabhi Kripashankar	Executive	KP Energy Limited, Surat

Higher Education

After completing a Bachelor's degree in Civil Engineering, there are several postgraduate branches or specializations that you can pursue. Here are some of the common ones:

1. **Structural Engineering:** Focuses on the design and analysis of structures like buildings, bridges, and dams.
2. **Transportation Engineering:** Deals with the planning, design, and operation of transportation systems.
3. **Geotechnical Engineering:** Concentrates on the behavior of earth materials and their interaction with structures.
4. **Water Resources Engineering:** Involves the planning and management of water resources like rivers, lakes, and groundwater.
5. **Environmental Engineering:** Addresses issues related to pollution control, waste management, and environmental sustainability.
6. **Construction Management:** Focuses on project management, contract management, and construction techniques.
7. **Urban and Regional Planning:** Concentrates on the planning and development of urban areas and regions.
8. **Coastal and Ocean: Engineering:** Involves the design and analysis of structures in coastal and marine environments.
9. **Material Engineering:** Focuses on the properties and applications of construction materials.

These are just some of the options available. Civil Engineering offers a broad range of specializations, allowing you to choose a field that aligns with your interests and career goals.



Higher Education Record Of The Last Year Graduates

Sr. No.	PEN	Name	Course	University Name
1.	190490106003	Bhoi Ganesh Dilipbhai	ME (WRE)	The MSU, Vadodara
2.	190490106011	Chaudhari Harshbhai Rohitbhai	ME (Transportation Engineering)	Monark University, Ahmedabad
3.	190490106018	Chaudhari Manubhai Ramjibhai	ME (Transportation Engineering)	Monark University, Ahmedabad
4.	190490106019	Chaudhari Monil Devendrabbhai	Construction Project Management	Canadore University, Canada
5.	190490106028	Chaudhari Roshankumar Shaileshbhai	ME (Transportation Engineering)	Monark University, Ahmedabad
6.	190490106035	Chaudhari Yashkumar Mukeshbhai	ME (Transportation Engineering)	Monark University, Ahmedabad
7.	190490106039	Deshmukh Pankajbhai Gangabhai	ME (Transportation Engineering)	Monark University, Ahmedabad
8.	190490106047	Gamit Ayushkumar Miramjibhai	ME (Transportation Engineering)	Monark University, Ahmedabad
9.	190490106052	Gamit Jayaben Mukeshbhai	ME (WRE)	Shantilal Shah Engineering College, Bhavnagar (GTU)
10.	190490106054	Gamit Kiranbhai Rakeshbhai	ME (Environment Engineering)	Sakarchand Patel University, Visnagar
11.	190490106065	Gamit Safiraben Eiteshbhai	ME (Structural Engineering)	Government Engineering College, Dahod (GTU)
12.	190490106068	Gamit Snehalbhai Dineshbhai	ME (Transportation Engineering)	Monark University, Ahmedabad
13.	190490106070	Gamit Urvashiben Manishbhai	ME (Environment Engineering)	Sakarchand Patel University, Visnagar
14.	190490106073	Gamit Zinalben Umedbhai	ME (Environment Engineering)	Sakarchand Patel University, Visnagar
15.	190490106074	Gayakvad Vimalbhai Ramanbhai	ME (Structural Engineering)	Monark University, Ahmedabad



Sr. No.	PEN	Name	Course	University Name
16.	190490106080	Konkani Nitakumari Shantilalbhai	ME (Transportation Engineering)	Monark University, Ahmedabad
17.	190490106097	Patel Diya Ajaybhai	ME (WRE)	The MSU, Vadodara
18.	190490106142	Vasava Sudarshankumar Jamshibhai	ME (Transportation Engineering)	Monark University, Ahmedabad
19.	190490106145	Verma Krushnakant Rajesh	ME (Civil Engineering)	University of Windsor, Canada
20.	200490106512	Chaudhari Abhaykumar Vinodbhai	ME (Structural Engineering)	Monark University, Ahmedabad
21.	190490106042	Dhodia Mohit Mukeshbhai	ME (Structural Engineering)	Monark University, Ahmedabad
22.	190490106110	Patel Riddhi Sunilbhai	ME (Structural Engineering)	Monark University, Ahmedabad



SNPIT & RC

www.snpitrc.ac.in

(શ્રી સીતારામભાઈ નારણજી પટેલ ડિગ્રી કોલેજ)

**SHRI SITARAM
N PATEL
INST. OF TECH.
& RES.
(SNPIT)**

For Admission:

90 99 70 78 78

**Computer Science
&
Engineering**

At & Po Baben, Ta: Bardoli, Dist: Surat-394601

Computer Science and Engineering Department

About Department:

SNPIT & RC is committed to the development of top-class technical manpower which can help the Indian Industry in attaining excellence and also earning a reputation of being a dependable source of technical knowledge and expertise abroad. The department of Computer Science & Engineering will see that the students from the department are adapting themselves to ever changing concepts and innovations with the belief that technology makes it possible to gain control over every aspect of human life today.

The Department of **Computer Science & Engineering**, an integral part of SNPIT & RC aims at bringing out the technical and inherent talents of the young and budding Engineers. The Department was established in the academic year **2008 - 2009** which offers a four-year B.E degree program with an intake of 60 students. The department is also recognized as an Authorized **Oracle Academic Partner** by Oracle, India.

Computer Science & Engineering is a highly-paid profession involved with cutting-edge technology development. With a vision to create the engineers as technical intellects, the department is continuously making efforts to bridge industry and academia.

Message from Head of Department:



Prof. Bhavesh D. Patel

The Department of Computer Science & Engineering under the S N PATEL INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE is one of the core departments of the GTU and was established in 2008 to initially offer Bachelor of Engineering degree in Computer Science & Engineering. Keeping in view the dynamic nature of growth in the industry and the increasing demand for IT professionals, we have adopted methodology that bridges the gap between the theoretical and practical concepts of Computer Science while maintaining the roots with the core. We strive hard and leave no stone unturned in achieving maximum placements by giving our

students a strong foundation not only in problem solving techniques but also inculcate meta and soft skills so that they possess analytical ability to learn any language or concept and are committed to work in a team with all the passion.

I take great pride in appreciating the zealous efforts of the faculty and students that lead us towards the collaboration with various industries and institutes across the world, in turn developing the projects for a good cause of the society. Our passion towards the research is a seed that highlights our good number of research publications also.

If I see the panorama view of the department, it feels so proud to mention that our students, the young and the experienced faculty members, continue to make the department one of the best departments in GTU in terms of results, innovative projects and many more. With the untiring efforts of our faculty members, we endeavour to provide top most results all over Gujarat.

We stand united as a team to take the department to the heights of glory and success by welcoming all the challenges.

Why to choose Computer Science & Engineering Course?

With an aim at creativity, innovation and technology, learning computer science engineering is the best way to learn the required skills and knowledge, which is essential for striving in the evolving world of technology. Moreover, with a huge scope and improved salary in this field, you could always bag an excellent job in this industry. The demand for computer engineers will never decrease in the upcoming years.

Countless students in India choose Computer Science as a major because of the promising career opportunities. Because of the high demand of computer science and technology in the industry, B.E Computer Science and Engineering courses have grown in popularity, allowing students to work as Systems Analysts, Web Developers, Web/Application Designers, Finance Programmers, Software Engineers, Product Managers, Game Developers, Network Engineers, Data Scientists, Researchers and other roles.

Top 10 points justifying why studying computer science engineering is a compelling option.

1. Increasing demand for the computer engineers
2. Offers attractive salary packages
3. All industries require computer engineers
4. Globally diverse cohort
5. Immense global opportunities
6. A platform for displaying your creativity and innovation
7. Recession proof jobs
8. Protection of civil liberty
9. The front wall against the cybercriminals
10. Attract a positive difference in the work culture



Faculty Details:

Sr. No.	Name	Qualifications	Specialization	Designation
1.	Prof. Bhavesh D. Patel	Ph.D pursuing, M.S., B.E.	Computer Engineering	Head & Assistant Professor
2.	Dr. Salman R. Bombaywala	Ph.D, M.Tech, B.E	Electronics and Communication	Associate Professor
3.	Prof. Sandip K. Tandel	M.Tech, B.E.	Computer Science and Engineering	Assistant Professor
4.	Prof. Khusbhu B. Karanjiya	M.E, B.E	Electronics and Communication	Assistant Professor
5.	Prof. Jagruti R. Boda	Ph.D Pursuing, M.E., B.E.	Computer Engineering	Assistant Professor
6.	Prof. Gaurav V. Patel	M.E., B.E.	Computer Engineering	Assistant Professor
7.	Prof. Dhaval J. Patel	M.Tech, B.E.	Computer Science & Engineering	Assistant Professor
8.	Prof. Kevin K. Prajapati	M.Tech, B.E.	Computer Engineering	Assistant Professor
9.	Prof. Hemangini J. Patel	M.Tech, B.Tech	Computer Engineering	Assistant Professor
10.	Prof. Ritesh K. Chauhan	M.E., B.E	Computer Engineering	Assistant Professor
11.	Prof. Jigisha D. Patel	M.E., B.E	Information Technology	Assistant Professor
12.	Prof. Niyanta M. Panchal	M.E., B.E.	Computer Science & Engineering	Assistant Professor

Faculty Assets



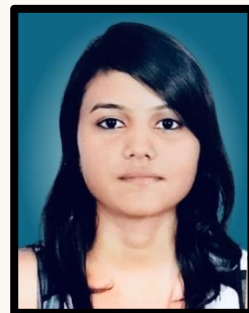
Prof. Bhavesh D. Patel
I/C Head & Assistant
Professor
Ph.D pursuing, M.S.,
B.E.



Dr. Md. Salman R.
Bombaywala
Associate Professor
Ph.D, M.Tech, B.E



Prof. Sandip K. Tandel
Assistant Professor
M.Tech, B.E.



Prof. Khushbu B.
Karnajiya
Assistant Professor
M.E, B.E.



Prof. Jagruti R. Boda
Assistant Professor
Ph.D pursuing, M.E.,
B.E.



Prof. Gaurav V. Patel
Assistant Professor
M.E., B.E.



Prof. Dhaval J. Patel
Assistant Professor
M.TECH, B. E.



Prof. Kevin K. Prajapati
Assistant Professor
M.TECH, B. E.



Prof. Hemangini J. Patel
Assistant Professor
M.Tech, B.Tech



Prof. Ritesh K. Chauhan
Assistant Professor
M.E., B.E.



Prof. Jigisha D. Patel
Assistant Professor
M.E., B.E.



Prof. Niyanta M.
Panchal
Assistant Professor
M.E., B.E.

Lab Facilities:

OOP Lab / Web Development Lab / Network Lab

This lab main focus is the study of Web development at the back-end of the website Consulting; Site Maintenance and Updating; TSU Template Conversion. This course is designed to familiarize students with the basic components of programming, so as to be able to initiate the students into the discipline of Programming. It aims to start the development of problem-solving ability using computer programming. This course teaches not only the mechanics of programming, but also how to create programs that are easy to read, maintain and debug. Students are introduced to the design principles for writing good programs.

System Quantity: 30

Configuration:

Intel Core I3 3240 3.4ghz

Processor, ECS H61h2-M4

Motherboard, 2GB RAM, 500 Gb

HDD, AOC 15.6" Monitor

Dlink Switch 16 Port - 1

Dlink Switch 24 port -1

6 U Rack -1



Operating System Lab / Computer Centre

An Operating system is software that creates a relation between the User, Software and Hardware. It is an interface between hardware and software. All the computers need basic software known as an Operating System (OS) to function. Introduction to operating systems concepts, process management, memory management, file systems, virtualization, and distributed operating systems.

System Quantity: 65

Configuration:

HP Desktop 270-P029IL Intel Core I3 6th
Gen, 1TB HDD, 4 GB RAM HP 19.5" IPS
20kd

Dlink Giga 24 Port Switch - 4

Sophos Firewall Device - 1

9 U Rack - 1

IBM Server - 1

TP Link Giga Wifi Router - 1



AI Lab

AI Lab One is a team of passionate professionals fascinated with Artificial Intelligence. We consult and train organizations to increase their performance, discover where AI can immediately provide value to their business models, develop new AI solutions, and help them scale and grow. Microsoft AI Lab showcases the latest in artificial intelligence technology. Explore demos, get source code, and more at the Microsoft Artificial Intelligence Lab.

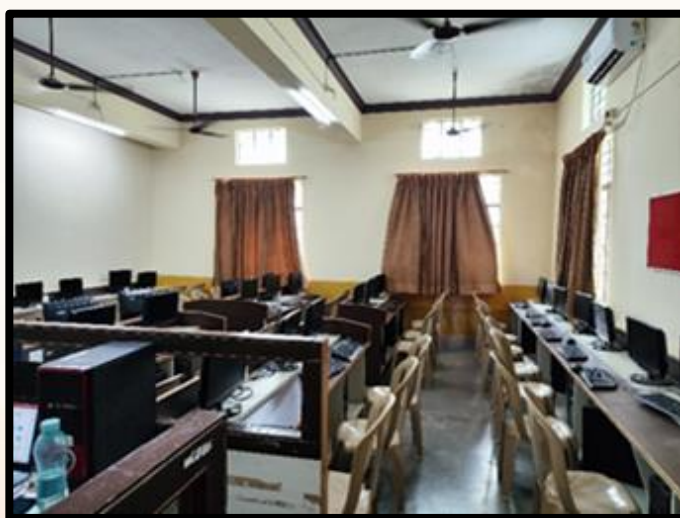
System Quantity: 25

Configuration:

Core I3, 2GB RAM, 500GB HDD,
Cabinet with SMPS, Keyboard,
Mouse, 18.5" LCD Monitor

Dlink Giga Switch 16 Port - 2

6 U Rack - 1



Language Lab

A language laboratory is a dedicated space for foreign language learning where students access audio or audio-visual materials. They allow a teacher to listen to and manage student audio, which is delivered to individual students through headsets or in isolated sound booths. Language labs were common in schools and universities in the United States in the two decades following World War II. They have now largely been replaced by self-access language learning centres, which may be called language labs.

Language Lab software helps in learning the English language in an effective way. It provides technical tools for the students to learn the pronunciation of language in an easy way. It helps in learning the basic skills of the English language. Students learn in an easy way through interactive videos.

System Quantity: 65

Configuration:

HP 280G6 MT Desktop PC Intel
Core I5 10 Gen, 1TB HDD, 8GB
RAM, 20" Monitor

Dlink Giga Switch 24 Port - 1

Dlink Switch 24 port -3

9 U Rack -1

TP Link 300 mbps WiFi Router- 1

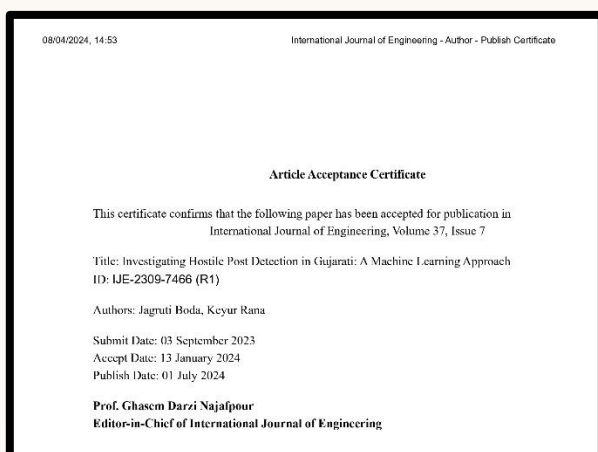


Faculties & Students Achievements:



Dr. Rutal S. Mahajan

Participated in the International Teacher's Olympiad in December 2023. In Top 11% teachers, in understanding curriculum, pedagogy and Technology section, ITO 2023 (1L+ Globally participated)



Prof. Jagruti R . Boda

Research paper "**Investigating Hostile Post Detection in Gujarati: A Machine Learning Approach**" is accepted in Scopus, web of science indexing journal dated on 13 January, 2024.

CHAUHAN JAY RAJUBHAI

200490131060

Secured 2nd Position in the HACK THE TANK Hackathon competition was conducted by Google Developer Student Club at Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat.

KUMAVAT PANKAJ MADANLAL

190490131022

Final year student selected for Internship in Gujarat Technological University, Chandkheda, Ahmedabad dated on 31-01-2023.



BHAVSAR NILAY RAJESHKUMAR

200490131001

Final year student selected for Internship in ASHINE - Association for Harnessing Innovation and Entrepreneurship, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat dated on 27-12-2023.

SHUBHAM KUSHWAHA

200490131021

Final year student selected for Internship in Gujarat Technological University (GTU), Chandkheda, Ahmedabad dated on 25-01-2024.

RANA TISHAKUMARI SANJAYBHAI

200490131030

Final year student selected for Internship in Nuclear Power Corporation of India Limited (NPCIL), Kakrapar Atomic Power station, Anumala, District:Tapi dated on 17-01-2024.

GAMIT MARTINABEN MOHANBHAI

200490131059

Final year student selected for Internship in Nuclear Power Corporation of India Limited (NPCIL), Kakrapar Atomic Power station, Anumala, District:Tapi dated on 17-01-2024.

PATEL JAYDA JAYESHBHAI

210490131501

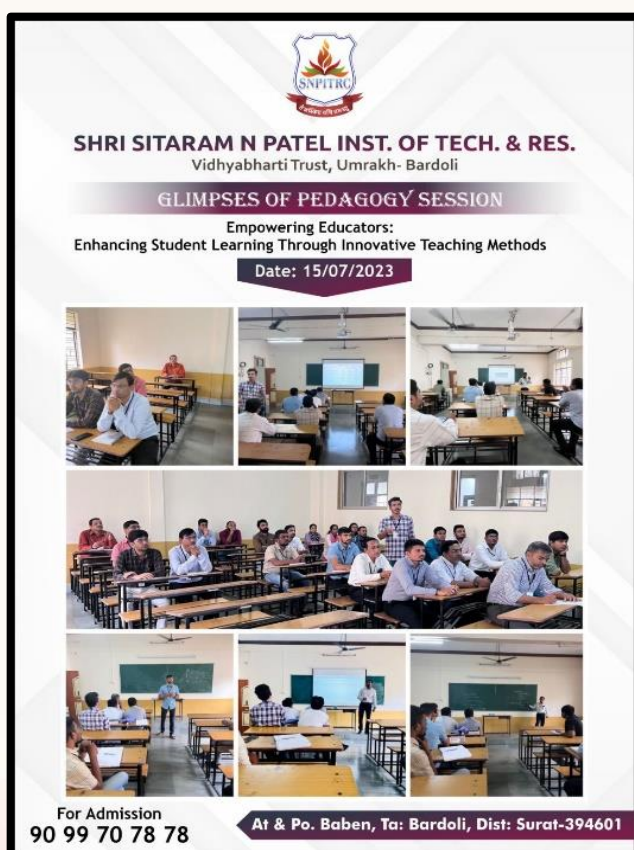
Final year student selected for Internship in Bhaskaracharya National Institute for Space Applications and Geo-informatics (BISAG-N) dated on 29-01-2024.

PAREEK AYUSH PANKAJ

200490131052

Final year student selected for Internship in Bhaskaracharya National Institute for Space Applications and Geo-informatics (BISAG-N) dated on 29-01-2024.

Initiatives Related To Industrial Interaction And Students Training



Pedagogy Session (15/07/2023)

Description: The department conducted a pedagogy session at A-15 from 10:00 AM onwards on Dt. 15/7/2023. From our department, Mr. Kevin K. Prajapati, Mr. Dhaval J. Patel, Ms. Hemangini J. Patel and Mr. Ritesh K. Chauhan delivered a lecture in front of attendee's faculties, H.O.D and Principal Sir. The aim of these sessions are enhancing student learning through innovative teaching methods and newly recruited faculty members get to learn the teaching learning process from senior faculties.



Industrial Visit - Bhaskaracharya National Institute for Space Applications and Geo-Informatics (BISAG) (02/11/2023)

Description: An industrial visit was organized by the Department of Computer Science & Engineering and Department of Information Technology, SNPITRC (UmraKh) for the students of BE 3rd, 5th & 7th Semester on 2nd November, 2023. They visited “BISAG” at Gandhinagar. 90 Students and 6 faculty members visited the industry. The visit made students aware about space application, Geo-Informatics, Television Broadcasting, Use of Artificial Intelligence & Machine Learning in Geo-Mapping and many more.



Industrial Visit - Institute for Plasma Research (IPR) (02/11/2023)

Description: An industrial visit was organized by the Department of Computer Science & Engineering and Department of Information Technology, SNPITRC (UmraKh) for the students of BE 3rd, 5th & 7th Semester on 2nd November, 2023. They visited “IPR” at Gandhinagar. 102 Students and 6 faculty members visited the industry. The visit made students aware about plasma science including basic plasma physics, magnetically confined hot plasmas and plasma technologies for industrial application, computer modelling, superconducting magnets and cryogenics,



ultra-high vacuum, pulsed power, microwave and RF, computer-based control and data acquisition and industrial, environmental and strategic plasma applications.

Industrial Visit - Vikram Sarabhai Space Exhibition (VSSE), Space Applications Centre, ISRO-Ahmedabad (VSSE, SAC, ISRO) (03/11/2023)

Description: An industrial visit was organized by the Department of Computer Science & Engineering and Department of Information Technology, SNPITRC (Umrakh) for the students of BE 3rd, 5th & 7th Semester on 2nd November, 2023. They visited “VSSE, SAC, ISRO” at Ahmedabad. 90 Students and 6 faculty members visited the centre. The visit includes 3-D documentary shoot by Astronauts in space, brief session on Mangalyan, Chandrayan & Suryayan, simulation on GSLV (Geosynchronous Satellite Launch Vehicle) and PSLV- (Polar Satellite Launch Vehicle). The volunteers have given an insight of ASLV-which was the first launcher made under the supervision of Dr. A.P.J.Abdul Kalam. Students were fascinated by checking the details of PSLV- (Polar Satellite Launch Vehicle). The team ISRO explained & discussed the real time Satellite with Demo.



Visit of Science City - Ahmedabad

(03/11/2023)

Description: A visit was organized by the Department of Computer Science & Engineering and Department of Information Technology, SNPITRC (UmraKh) for the students of BE 3rd, 5th & 7th Semester on 2nd November, 2023. They visited “Science City” at Ahmedabad. 90 Students and 6 faculty members visited the centre. The visit includes following:

- **Robotics Gallery:** An interactive gallery that demonstrates the development in the domain of robotics. A socially skilled humanoid robot welcomes students and introduces them to the facility.
- **Aquatic Gallery:** It takes on a memorable voyage to the aqua world that features India's largest public aquarium with a state-of-the-art life support system.
- **Hall of Science:** The Hall of Science is a large open research facility where students can participate in practical learning displays and study science via exploration.

Ranker Student Details:

Winter 2022 - Computer Science & Engineering				
Sem 7				
RANK	PEN	NAME	SPI	CPI
1	190490131009	Chauhan Shreykumar Harshadbhai	9.25	8.88
2	190490131022	Kumavat Pankaj Madanlal	9.13	9.28
3	190490131062	Shinglot Devanshu Ashishkumar	9.08	8.82



**Chauhan Shreykumar
Harshadbhai**



Kumavat Pankaj Madanlal



**Shinglot Devanshu
Ashishkumar**

Sem 5				
RANK	PEN	NAME	SPI	CPI
1	200490131022	Chauhan Devyanikumari Jayeshbhai	9.61	9.17
2	200490131051	Sakre Chetan Ganeshbhai	9.43	9.67
3	200490131028	Kayasth Krunal Naishadhkumar	9.22	9.41



**Chauhan Devyanikumari
Jayeshbhai**



Sakre Chetan Ganeshbhai



**Kayasth Krunal
Naishadhkumar**

Sem 3

RANK	PEN	NAME	SPI	CPI
1	210490131037	Bodalia Dhruvi Parimal	9.48	8.98
2	210490131012	Pavashiya Heli Ghanshyambhai	9	9.02
3	210490131021	Prajapati Snehaben Mukeshbhai	8.91	8.68



Bodalia Dhruvi Parimal



Pavashiya Heli Ghanshyambhai



Prajapati Snehaben Mukeshbhai

Sem 1

RANK	PEN	NAME	SPI	CPI
1	220490131035	Maisuria Yashkumar Jayeshbhai	9.67	9.67
2	220490131038	Maurya Atulkumar Vimalchandra	9.4	9.4
3	220490131054	Patel Heni Bharatbhai	8.8	8.8



Maisuria Yashkumar Jayeshbhai



Maurya Atulkumar Vimalchandra



Patel Heni Bharatbhai

Summer 2023 - Computer Science & Engineering

Sem 8

RANK	PEN	NAME	SPI	CPI
1	190490131022	Kumavat Pankaj Madanlal	10	9.34
2	190490131009	Chauhan Shreykumar Harshadbhai	10	8.96
3	190490131069	Vaghasiya Aayushi Bipinbhai	10	8.84



Kumavat Pankaj Madanlal



Chauhan Shreykumar
Harshadbhai



Vaghasiya Aayushi Bipinbhai

Sem 6

RANK	PEN	NAME	SPI	CPI
1	200490131028	Kayasth Krunal Naishadhkumar	10	9.51
2	200490131022	Chauhan Devyanikumari Jayeshbhai	9.83	9.28
3	200490131051	Sakre Chetan Ganeshbhai	9.43	9.63



Kayasth Krunal Naishadhkumar



Chauhan Devyanikumari
Jayeshbhai



Sakre Chetan Ganeshbhai

Sem 4

RANK	PEN	NAME	SPI	CPI
1	210490131009	Mistry Shubham Dhirajbhai	9.48	8.82
2	210490131012	Pavashiya Heli Ghanshyambhai	9	9.01
3	210490131037	Bodalia Dhruvi Parimal	8.96	8.98



Mistry Shubham Dhirajbhai



Pavashiya Heli Ghanshyambhai



Bodalia Dhruvi Parimal

Sem 2

RANK	PEN	NAME	SPI	CPI
1	220490131038	Maurya Atulkumar Vimalchandra	9	9.15
2	220490131035	Maisuria Yashkumar Jayeshbhai	8.71	9.08
3	220490131054	Patel Heni Bharatbhai	8.25	8.46



Maurya Atulkumar Vimalchandra



Maisuria Yashkumar Jayeshbhai




Patel Heni Bharatbhai

Placement Details:

Photo	Student Name	Company Name	Designation
	Vashi Arpit Manishbhai	Casepoint Pvt. Ltd., Surat	Software Developer
	Lad Dev Himanshu Bhai	Casepoint Pvt. Ltd., Surat	Software Developer
	Multani Aman Yasifbhai	Casepoint Pvt. Ltd., Surat	Software Developer
	Tailor Vishwa Harshadbhai	Casepoint Pvt. Ltd., Surat	Software Developer
	Patel Jaykumar Ishwarbhai	Casepoint Pvt. Ltd., Surat	Software Developer

	Sakre Chetan Ganeshbhai	Casepoint Pvt. Ltd., Surat	Software Developer
	Suthar Mukeshkumar Babulal	Casepoint Pvt. Ltd., Surat	Software Developer
	Shah Darshan Manesh	Casepoint Pvt. Ltd., Surat	Software Developer
	Ishan Puravbhai Jhaveri	Casepoint Pvt. Ltd., Surat	Software Developer
	Chauhan Jay Rajubhai	Casepoint Pvt. Ltd., Surat	Software Developer
	Pareek Ayush Pankaj	Bisag-N, Gandhinagar-382 007 Gujarat, India	Software Developer

	Patel Jayda Jayeshbhai	Bisag-N, Gandhinagar-382 007 Gujarat, India	Software Developer
	Vekariya Krunal Vijaybhai	La Net Team Software Solutions, Surat-395007 Gujarat, India	Software Developer
	Patel Feni Manishbhai	Potent Global Solutions, Bardoli	Software Developer
	Chauhan Devyanikumari Jayeshbhai	Potent Global Solutions, Bardoli	Software Developer
	Barot Rajvi Amit	Potent Global Solutions, Bardoli	Software Developer
	Mistry Drashti Girishbhai	Potent Global Solutions, Bardoli	Software Developer

	Patel Jainil Sanjaykumar	Qspiders Campus Connect	Software Intern
	Adarsh Verma	Qspiders Campus Connect	Software Intern
	Raut Jagdish	Qspiders Campus Connect	Software Intern
	Shubham Kushwaha	Qspiders Campus Connect	Software Intern
	Khedekar Rahul Madhukar	Qspiders Campus Connect	Software Intern
	Patel Abhi Jayeshkumar	Qspiders Campus Connect	Software Intern

	Patel Yakshkumar Bharatbhai	Qspiders Campus Connect	Software Intern
	Tailor Manavkumar Manishbhai	Qspiders Campus Connect	Software Intern
	Patel Udhva Rakeshkumar	Qspiders Campus Connect	Software Intern
	Yadav Abhishek Santosh	Qspiders Campus Connect	Software Intern
	Vats Jayeshbhai Patel	Qspiders Campus Connect	Software Intern
	Patel Jaykumar Urminbhai	Beetonz Infotech, Surat	Android Developer

	Bhatt Pujan Tushar	Advancedware Technologies Private Limited.	Software Developer
	Chelumalla Tarunkumar	Advancedware Technologies Private Limited.	Trainee Software Developer
	Chourasiya Rohit Rambhagat	Differenz System Pvt Ltd	Software Developer
	Gamit Roshanbhai Vajesingbhai	Matlabinfotech	Trainee Software Developer
	Golakiya Isha Nareshbhai	Solvin Infotech	Software Developer-Trainee
	Gondaliya Bhautik Rameshbhai	Earth Infosoft	Software Developer
	Kumavat Pankaj Madanlal	Tcs	Assistant System Engineer Trainee

	Maisuria Vatsal Kishorkumar	Anextech	Intern, Software Developer
	Mehta Ridham Mayank	Alphabi	Intern ,Software Developer
	Modi Manav Amit	Logic Square Infotech	Software Developer- Trainee
	Pandya Maulik Nikhilbhai	Bigscal	Software Developer- Trainee
	Patel Anjali Hiteshkumar	Iroide Solution	Software Developer- Trainee
	Patel Dev Rajeshbhai	Potent Global Infotech	Software Engineer

	Patel Jay Narendre Bhai	Potent Global Infotech	Software Engineer
	Patel Khushi Sanjaykumar	Potent Global Infotech	Software Tester
	Prajapati Yashkumar Alpeshkumar	Potent Global Infotech	Developer
	Shah Preksha Maheshkumar	Bigscal	Software Developer-Trainee
	Shinglot Devanshu Ashishkumar	Bigscal	Software Developer-Trainee
	Thavrani Nikita Subhash	Solvin Infotech	Software Developer-Trainee



Higher Studies Records:

Sr. No.	PEN	Student Name	Name of the Employer
1	180490131056	Singh Shivam Mayanbahadur	NIT Jalandhar
2	180490131057	Sutariya Princy Kishorbhai	Pace University, Nyc campus
3	180493107006	Gamit Rinkalben Ranchhodbhai	Sarvajanik University
4	180493107007	Gamit Vipulkumar Ajitbhai	Kalol Institute of Technology & Research Center
5	170490107005	Bhuva Kashyap Narsinhbhai	University of West London
6	170490107034	Patel Deep Anilbhai	University of Dayton
7	170490107036	Patel Dhruvkumar Nileshkumar	Temple University
8	170490107045	Patel Shivam Nikunjbhai	Dalhousie University
9	170490107046	Patel Shivamkumar Prakashbhai	Nirma University
10	170490107048	Prajapati Hemanshi Jayantibhai	Saskatchewan Polytechnic
11	170490107058	Suthar Dhruv Sadanand	Saskatchewan Polytechnic
12	170490107049	Rathod Pranav Jitendrabhai	Sarvajanik University
13	170490107061	Vaiwala Harmit Manishkumar	Swansea University

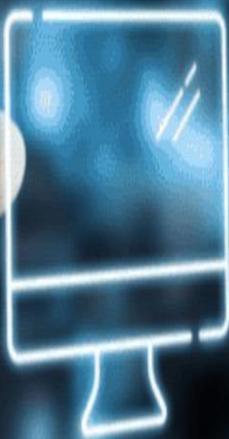


SHRI SITARAM N PATEL INST. OF TECH. & RES. (SNPIT)

(શ્રી સીતારામભાઈ નારણજી પટેલ ડિગ્રી ઇજનેરી કોલેજ)

INFORMATION TECHNOLOGY

www.snpitrc.ac.in



For Admission:

90 99 70 78 78

At & Po Baben, Ta: Bardoli,
Dist: Surat-394601



Information & Technology Department

About Department:

The Information Technology (IT) department within an engineering program typically focuses on providing students with the knowledge and skills needed to design, develop, implement, and manage technological solutions in various engineering domains. Here's an overview of what you can expect from an IT department within an engineering school:

Curriculum: The curriculum in an IT department within engineering typically includes a combination of foundational courses in computer science, mathematics, and engineering principles, as well as specialized courses in areas such as software development, database management, networking, cybersecurity, and system analysis.

Hands-on Experience: Practical, hands-on experience is emphasized in IT engineering programs. Students often engage in projects, labs, and internships where they apply theoretical knowledge to real-world problems, gaining valuable experience and skills that are relevant to industry demands.

Specializations: IT departments within engineering schools may offer various specializations or concentrations based on emerging technologies or industry needs. These specializations could include areas such as artificial intelligence, machine learning, cloud computing, Internet of Things (IoT), and more.

Industry Partnerships: Many IT departments collaborate closely with industry partners to ensure that their curriculum remains up-to-date and relevant to current industry trends and practices. These partnerships may also provide opportunities for internships, co-op programs, and research projects.

Research Opportunities: Research is often a significant component of IT departments within engineering schools. Faculty members and students may collaborate on research projects exploring innovative technologies, solving complex problems, and contributing to advancements in the field.

Professional Development: IT departments typically provide resources and support for students to enhance their professional development. This may include career counseling, resume building, interview preparation, networking opportunities, and access to industry events and conferences.

Faculty Expertise: Faculty members within IT departments are usually experts in their respective fields, with experience in academia, industry, or both. They play a vital role in teaching, mentoring, and guiding students as they pursue their academic and career goals.

State-of-the-Art Facilities: IT departments often have access to state-of-the-art facilities, including computer labs, research centers, and specialized equipment, to support teaching, research, and innovation in the field.

Overall, the IT department within an engineering program provides students with a comprehensive education in technology, preparing them for successful careers in various industries and equipping them with the skills needed to address the challenges of a rapidly evolving technological landscape.

Message From Head of Department:



Prof. Vishmay M. Vaidya

The Department of Information Technology under the **S N PATEL INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE** is one of the core departments of the GTU and was established in 2022 to initially offer Bachelor of Engineering degree in Information Technology. Keeping in view the dynamic nature of growth in the industry and the increasing demand for IT professionals, we have adopted methodology that bridges the gap between the theoretical and practical concepts of Computer Science while maintaining the roots with the core. We strive hard and leave no stone unturned in achieving maximum placements by giving our students a strong foundation not only in problem solving techniques but also inculcate meta and soft skills so that they possess analytical ability to learn any language or concept and are committed to work in a team with all the passion.

I take a great pride to appreciate the zealous efforts of the faculty and students that leads us towards the collaboration with various industries and institutes across the world, in turn developing the projects for a good cause of the society. Our passion towards the research is a seed that highlights our good number of research publications also. If I see the panorama view of the department, it feels so proud to mention that our students, the young and the experienced faculty members, continue to make department one of the best departments in GTU in terms of results, innovative projects and many more. With the untiring

efforts of our faculty members, we endeavor to provide top most results in all over Gujarat. We stand united as a team to take the department to the heights of glory and success by welcoming all the challenges.

Why to choose Information Technology Course?

Choosing Information Technology (IT) in engineering can be a compelling decision for several reasons:

High Demand: IT skills are in high demand across various industries. With the increasing digitization of businesses and processes, there's a constant need for IT professionals to develop, maintain, and innovate technological solutions.

Versatility: IT is a vast field encompassing various specializations such as software development, cybersecurity, data analytics, networking, and more. This allows you to explore different areas based on your interests and career goals.

Innovation: IT is at the forefront of innovation. It's a field that is constantly evolving with new technologies emerging regularly. This offers exciting opportunities to work on cutting-edge projects and be part of groundbreaking advancements.

Global Opportunities: IT skills are highly transferable, opening up opportunities for employment worldwide. Whether you choose to work for a multinational corporation, a tech startup, or as a freelancer, there are ample prospects globally.

Good Remuneration: IT professionals often command competitive salaries due to the specialized skills and expertise required in the field. As you gain experience and expertise, you can expect lucrative compensation packages.

Job Security: Given the increasing reliance on technology in various aspects of life and business, IT professionals generally enjoy greater job security compared to many other industries. There's a constant need for IT expertise to ensure the smooth functioning of systems and infrastructure.

Problem-Solving: IT professionals are problem solvers by nature. They are tasked with identifying issues, developing solutions, and optimizing processes using technology. This offers a fulfilling career path for those who enjoy tackling challenges and finding creative solutions.

Contribution to Society: IT plays a significant role in addressing societal challenges, such as improving healthcare, enhancing education, and fostering sustainability. By working in IT, you have the opportunity to make a meaningful impact on society.

Faculty Details:

Sr. No.	Name	Qualifications	Specialization	Designation
1	Prof. Vishmay M. Vaidya	M.Tech, B.E.	Computer Engineering	Head & Assistant Professor
2	Prof. Devarshi B. Naik	M.Tech, B.E.	Information Technology	Assistant Professor
3	Prof. Monal H. Mistry	M.Tech, B.E.	Computer Engineering	Assistant Professor
4	Prof. Viral M. Prajapati	Ph.D Pursuing, M.E., B.E.	Computer Science and Engineering	Assistant Professor
5	Prof. Arpita N. Patel	M.E., B.E.	Computer Engineering	Assistant Professor

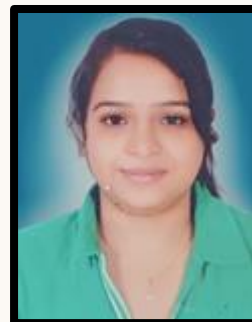
Faculty Assets



Prof. Vishmay M. Vaidya
I/C Head & Assistant Professor
M.Tech, B.E.



Prof. Devarshi B. Naik
Assistant Professor
M.Tech, B.E.



Prof. Monal H. Mistry
Assistant Professor
M.TECH, B. E



Prof. Viral M. Prajapati
Assistant Professor
Ph.D Pursuing, M.E., B.E.



Prof. Arpita N. Patel
Assistant Professor
M.E., B.E.

Lab Facilities:

DBMS Lab

System Quantity: 30

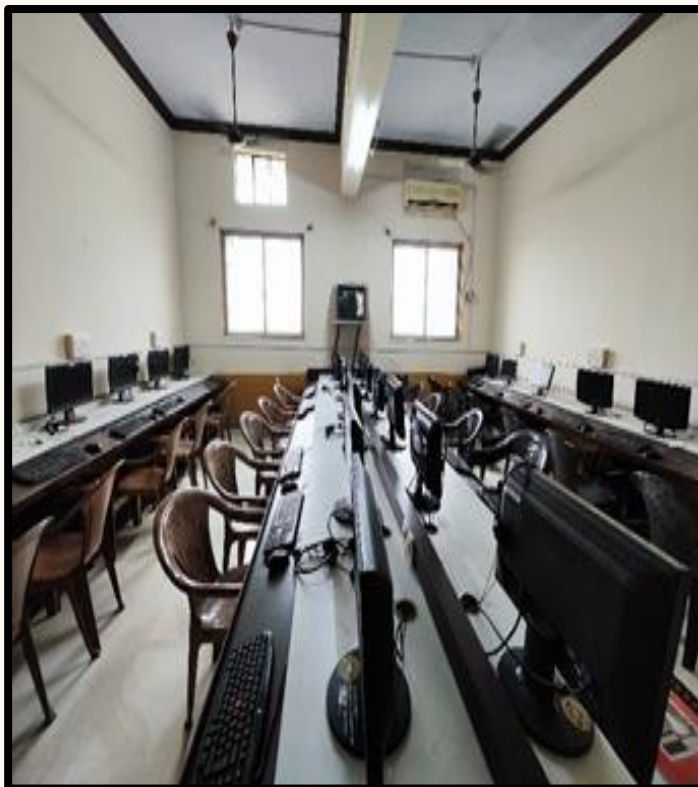
Configuration:

Compaq CQ-3550ix Desktop, Intel Core I3 2nd Gen, 500GB HDD 2GB RAM , 18 Inch Monitor

Dlink Switch 16 Port - 1

Dlink Giga Switch 24 port -1

6 U Rack -1



DBMS Lab is dedicated for students to work on practical experiments, projects and research work, related to courses such as Database Management Systems, Distributed Data Computing, Hadoop, Data Warehousing and Mining, and Big Data Analysis.

The objective of this lab course is to understand the practical applicability of database management system concepts. Working on existing database systems, designing of database, creating relational database, analysis of table design. The lab course also provides practical knowledge to understand advanced database concepts such as Data Mining and Big Data Analysis.

Programming for Problem Solving Lab

System Quantity: 60

Configuration:

Dell OPITIPLEX 5050/7050 SSF-
CI5 – 7th Gen/ 8GB/256 NYME SSD
New Win OS OEM/ Power Cable

D-Link Giga Switch 24 Port - 1

D-Link Switch 24 port -3

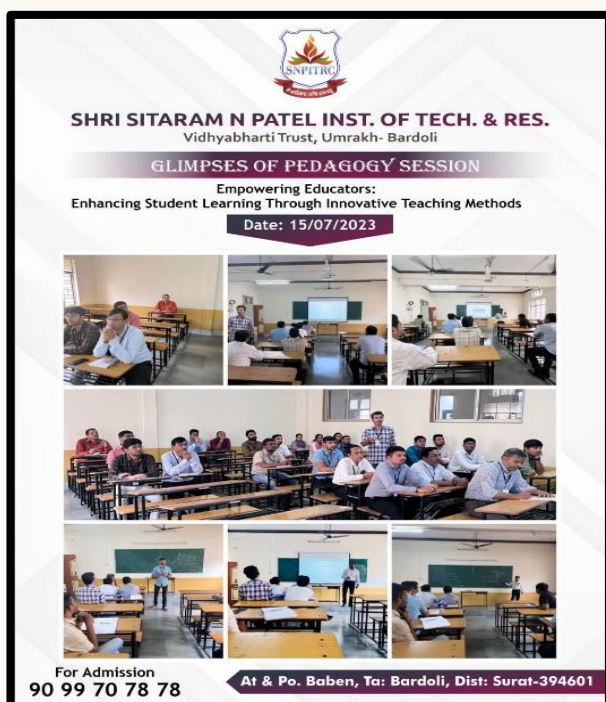
9 U Rack -1

NETIS 300 mbps WIFI Router -1



Welcome to our First-Year Programming for Problem Solving Laboratory! Designed for budding programmers, this dynamic course ignites your passion for coding. Dive into the world of algorithms, data structures, and problem-solving techniques. With hands-on exercises and real-world applications, you'll gain practical skills and confidence in tackling complex challenges. Our experienced instructors will guide you through the basics of programming, helping you build a strong foundation. Whether you're a computer science major or just curious about coding, this laboratory provides an exciting gateway to the ever-evolving tech universe. Join us and unlock your potential as a problem-solving programmer!

Initiatives Related To Industrial Interaction And Students Training



Pedagogy Session (15/07/2023)

Description: The department conducted a pedagogy session at A-15 from 10:00 AM onwards on Dt. 15/7/2023. From our department, Mr. Viral M. Prajapati, Mrs. Monal Mistry, Mrs. Arpita Patel and Mrs. Niyanta Panchal have delivered a lecture in front of attendee's faculties, H.O.D and Principal Sir. The aim of these sessions is enhancing student learning through innovative teaching methods and newly recruited faculty members get to learn the teaching learning process from senior faculties.



Industrial Visit - Bhaskaracharya National Institute for Space Applications and Geo-Informatics (BISAG) (02/11/2023)

Description: An industrial visit was organized by the Department of Computer Science & Engineering and Department of Information Technology, SNPITRC (Umrakh) for the students of BE 3rd, 5th & 7th Semester on 2nd November, 2023. They visited "BISAG" at Gandhinagar. 12 Students and 2 faculty members visited the industry. The visit made students aware about space application, Geo-Informatics, Television Broadcasting, Use of Artificial Intelligence & Machine Learning in Geo-Mapping and many more.



Industrial Visit - Institute for Plasma Research (IPR) (02/11/2023)

Description: An industrial visit was organized by the Department of Computer Science & Engineering and Department of Information Technology, SNPITRC (Umrah) for the students of BE 3rd, 5th & 7th Semester on 2nd November, 2023. They visited “IPR” at Gandhinagar. 12 Students and 2 faculty members visited the industry. The visit made students aware about plasma science including basic plasma physics, magnetically confined hot plasmas and plasma technologies for industrial application, computer modeling, superconducting magnets and cryogenics, ultra-high vacuum, pulsed power, microwave and RF, computer-based control and data acquisition and industrial, environmental and strategic plasma applications.

Industrial Visit - Vikram Sarabhai Space Exhibition (VSSE), Space Applications Centre, ISRO-Ahmedabad (VSSE, SAC, ISRO) (03/11/2023)

Description: An industrial visit was organized by the Department of Computer Science & Engineering and Department of Information Technology, SNPITRC (Umrah) for the students of BE 3rd, 5th & 7th Semester on 2nd November, 2023. They visited “VSSE, SAC, ISRO” at Ahmedabad. 12 Students and 2 faculty members visited the center. The visit includes 3-D documentary shoot by Astronauts in space, brief session on Mangalyan, Chandrayan & Suryayan, simulation on GSLV (Geosynchronous Satellite Launch Vehicle) and PSLV- (Polar Satellite Launch Vehicle). The volunteers have given an insight of ASLV-which was the first launcher made under the supervision of Dr. A.P.J.Abdul Kalam. Students were fascinated by checking the details of PSLV- (Polar Satellite Launch Vehicle). The team ISRO explained & discussed the real time Satellite with Demo.





Visit of Science City - Ahmedabad (03/11/2023)

Description: A visit was organized by the Department of Computer Science & Engineering and Department of Information Technology, SNPITRC (Umrah) for the students of 3rd, 5th & 7th Semester on 2nd November, 2023. They visited “Science City” at Ahmedabad. 12 Students and 2 faculty members visited the center. The visit includes following:

Robotics Gallery: An interactive gallery that demonstrates the development in the domain of robotics. A socially skilled humanoid robot welcomes students and introduces them to the facility.

Aquatic Gallery: It takes on a memorable voyage to the aqua world that features India's largest public aquarium with a state-of-the-art life support system.

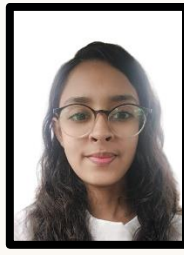
Hall of Science: The Hall of Science is a large open research facility where students can participate in practical learning displays and study science via exploration. It encourages students to interact with the displays by touching and operating them, as well as learning about the intriguing science underpinning them.

Ranker Student Details:

Winter 2022 - Information Technology (Sem 1)				
RANK	PEN	NAME	SPI	CPI
1	220490116017	Vishal Tukaram Patil	8.27	8.27
2	220490116005	Panchal Rutvibahen Satishbhai	7.6	7.6
3	220490116016	Thakor Yash Hirenkumar	7.27	7.27



Vishal Tukaram Patil



Panchal Rutvibahen Satishbhai



Thakor Yash Hirenkumar

Summer 2023 - Information Technology (Sem 2)				
RANK	PEN	NAME	SPI	CPI
1	220490116008	Patel Hetvikumari Dharmeshbhai	7.75	7.92
2	220490116016	Thakor Yash Hirenkumar	7.75	7.56



Patel Hetvikumari Dharmeshbhai



Thakor Yash Hirenkumar



SHRI SITARAM N PATEL INST. OF TECH. & RES. (SNPIT)

(શ્રી સીતારામભાઈ નારણજી પટેલ ડિગ્રી ઇજનેરી કોલેજ)

Electrical Engineering

www.snpitrc.ac.in



For Admission:

90 99 70 78 78

Vidyabharti Campus, At & Po Baben, Ta: Bardoli, Dist: Surat-394601

Electrical Engineering Department

About Department:

The Electrical Engineering Department situated within the premises of Sitarambhai Naranji Patel Institute of Technology & Research Centre, commenced its operations in 2008. Initially admitting 60 students, the department has since expanded its intake capacity to accommodate 120 students, reflecting its growing popularity and demand.

The department prides itself on its extensive facilities and resources, which are tailored to enhance the teaching-learning process. Equipped with cutting-edge laboratories, comprehensive test rigs, advanced machines, and a range of software packages, students have access to the tools necessary for hands-on learning and experimentation. Moreover, the department is committed to staying abreast of the latest technological developments, regularly organizing workshops, faculty development programs (FDPs), and short-term training programs (STTPs) to ensure both students and faculty remain updated and well-informed.

At its core, the department is driven by a mission to foster excellence and unlock the inherent talents of young engineers. Through a combination of rigorous academic curriculum and practical exposure, students are equipped with the skills and knowledge needed to excel in the field of electrical engineering.

The faculty composition of the department reflects a diverse blend of academic expertise and experience. With a total staff strength of 16 members, including 2 Associate Professors, 14 Assistant Professors, 2 Lab Assistants, and 2 Electricians, the department boasts a dedicated team of professionals. Among the faculty, 2 members hold PhD degrees, while the remaining 14 possess Master's degrees (M.E./M. Tech.). This diverse academic background ensures a well-rounded educational experience for students, combining theoretical insights with practical applications.

In essence, the Electrical Engineering Department is committed to nurturing the next generation of electrical engineers. With its focus on academic excellence, state-of-the-art facilities, and a dedicated faculty, the department stands as a beacon of quality education and innovation in the field of electrical engineering.

Message from Head of Department



Dr. Chirag A. Naik

Welcome to the Electrical Engineering Department of SNPIT&RC! With the increasing demand for Electrical Engineers in both governmental and private sectors, our department is dedicated to cultivating highly trained, employable, and capable technocrats prepared to tackle real-world challenges.

Established in 2008, the Department of Electrical Engineering at SNPIT&RC has been offering undergraduate programs since its inception. We take pride in our well-equipped laboratories and exceptional computational facilities. Our department boasts access to world-class software such as MATLAB, Simulink, PSCAD, ETAP, PSIM, and Proteus, enabling students to work on cutting-edge projects across various realms of Electrical Engineering.

The calibre of our students is evident from the high demand they command among top-tier companies' recruiters. We are committed to continually enhancing our students' knowledge and skills by organizing various courses, seminars, and workshops, ensuring they stay abreast of technological advancements.

At SNPIT&RC, we believe in providing holistic development opportunities for our students. Through active participation in co-curricular and extra-curricular activities, students are encouraged to develop a well-rounded personality. Our innovative teaching-learning approach, emphasis on teamwork, and leadership-building experiences foster essential communication and critical-thinking skills among our students.

Furthermore, our institution facilitates Industry Institute Collaboration, providing students with a platform to enhance their employability skills and bridge the gap between academia and industry.

In essence, the Electrical Engineering Department at SNPIT&RC is dedicated to nurturing a new generation of Electrical Engineers equipped to excel in the dynamic and challenging landscape of the modern world.

Why To Choose an Electrical Engineering Course?

Choosing an electrical engineering course offers a multitude of compelling reasons. Firstly, electrical engineering is a captivating and dynamic field, attracting aspiring engineers with its multifaceted opportunities and significant contributions to modern society. It serves as the driving force behind our interconnected world, shaping technologies that power our daily lives.

In addition, electrical engineering provides a versatile career path, allowing graduates to explore diverse areas such as power generation, telecommunications, automation, and electronics. This adaptability ensures professionals can navigate through an ever-evolving technological landscape, making it ideal for those seeking intellectual stimulation and the chance to contribute meaningfully to technological progress.

Furthermore, electrical engineering offers a unique blend of theoretical knowledge and hands-on practical experience, fostering the development of crucial problem-solving skills. Through coursework that challenges students to analyse complex issues systematically and devise innovative solutions, graduates are equipped with a valuable toolkit applicable across various professional spheres.

Moreover, the field provides a sense of fulfilment by enabling individuals to contribute to sustainable development, particularly in renewable energy and environmentally conscious technologies. As we navigate an era of rapid technological advancement, choosing electrical engineering isn't just a career path but a gateway to actively shaping the future and making a positive impact on the world.

Faculty Details:

Sr. No	Name	Qualifications	Specialization	Designation
1	Dr. Chirag A. Naik	M. Tech, Ph.D.	Industrial Electronics	Head & Associate Professor
2	Dr. Ravish H. Hirpara	M. Tech, Ph.D.	Industrial Electronics	Associate Professor
3	Prof. Virang R. Patel	M. Tech	Electronics Engg.	Assistant Professor
4	Prof. Chirag A. Patel	M. Tech	Power Systems	Assistant Professor
5	Prof. Janak B. Patel	M. Tech	Electrical Engineering	Assistant Professor
6	Prof. Mayank A. Patel	M. Tech	Electronics & Communication Engg.	Assistant Professor
7	Prof. Chirag B. Patel	M.E.	Electrical (Power System Engineering)	Assistant Professor
8	Prof. Ashish A. Patel	M. Tech	Power Systems	Assistant Professor
9	Prof. Achal B. Mistry	M. Tech	Electrical Engineering	Assistant Professor
10	Prof. Dilip K. Patel	M.E.	Industrial Electronics	Assistant Professor
11	Prof. Tejas G. Mistry	M.E.	Industrial Electronics	Assistant Professor
12	Prof. Vinod B. Prajapati	M. Tech	Power System	Assistant Professor
13	Prof. Pratap K. Chaini	M.E., Ph.D. (Pursuing)	Power System	Assistant Professor
14	Prof. Nisarg K. Patel	M. Tech	Power Systems	Assistant Professor
15	Prof. Keshini D. Patel	M.E.	Electrical Engineering	Assistant Professor
16	Prof. Jignesha B. Ahir	M. Tech	Power Electronics Machines & Drives	Assistant Professor
17	Prof. Kinjal H. Chaudhari	M. Tech	Power Systems	Assistant Professor
18	Prof. Brijesh D. Parmar	M. Tech, Ph.D. (Pursuing)	Power System & Switchgear Protection	Assistant Professor

Faculty Assets



Dr. Chirag A. Naik
Head & Associate
Professor.
Ph.D.



Dr. Ravish H. Hirpara
Associate Professor
Ph.D.



Prof. Virang R. Patel
Assistant Professor
M. Tech



Prof. Chirag A. Patel
Assistant Professor
M. Tech



Prof. Janak B. Patel
Assistant Professor
M. Tech



Prof. Mayank A. Patel
Assistant Professor
M. Tech



Prof. Chirag B. Patel
Assistant Professor
M.E.



Prof. Ashish A. Patel
Assistant Professor
M. Tech



Prof. Achal B. Mistry
Assistant Professor
M. Tech



Prof. Dilip K. Patel
Assistant Professor
M.E.



Prof. Tejas G. Mistry
Assistant Professor
M.E.



Prof. Vinod B.
Prajapati
Assistant Professor
M. Tech



Prof. Pratap K. Chaini
Assistant Professor
Ph.D. (Pursuing)



Prof. Nisarg K. Patel
Assistant Professor
M. Tech



Prof. Keshini I. Patel
Assistant Professor
M.E.



Prof. Jignesha B.
Ahir
Assistant Professor
M. Tech



Prof. Kinjal H.
Chaudhari
Assistant Professor
M. Tech



Prof. Brijesh D. Parmar
Assistant Professor
Ph.D. (Pursuing)

Laboratory Facilities

Basics of Electrical Engineering Lab:

Objective: The Objective behind this Lab is to impart a basic knowledge of electrical quantities such as current, voltage, power, energy and frequency to understand the impact of technology in a global and societal context. Provide working knowledge for the analysis of basic DC and AC circuits used in electrical and electronic devices. To explain the working principle, construction, applications of DC machines, AC machines & measuring instruments.



Verification of Circuits Law



Power Factor Measurement of AC Circuit



Soil Resistivity Measurement



3 Phase Star/Delta Measurement

Electrical Circuits and Network Lab:

Objective: The objective of the Electrical Circuits and Network lab is to expose the students to electrical circuits and give them experimental skill. The purpose of the lab experiment is to continue to build circuit construction skills using different circuit elements. It also aims to introduce MATLAB, a circuit simulation software tool. It enables the students to gain sufficient knowledge on the programming and simulation of Electrical circuits.



Verification of Network Theorem



Network & Bridge Trainer Kit



Superposition Theorem Kit

Electrical Machines Lab:

Objective: The lab should help students grasp fundamental concepts related to electrical machines, such as electromagnetic principles, motor and generator operation, types of machines, and their applications. Provide students with practical, hands-on experience in working with electrical machines. This includes understanding the construction, assembly, and disassembly of machines, as well as troubleshooting and maintenance. Familiarize students with various measurement techniques and instruments used in the field of electrical machines. This can include voltage, current, and power measurements, as well as efficiency calculations.



DC Shunt Motor



DC Shunt Motor/Generator Set



DC Shunt Motor Series Generator Set

High Voltage Engineering Lab

Objective: The High Voltage Laboratory can be used for high voltage testing of all types of electrical insulation systems. The High Voltage Laboratory has state-of-the-art equipment that can be used in the testing of materials and the study of different HV phenomena. The high number of MWB HV modules allows designing high-level detailed setups that can be used for experiments with fundamental HV theories. This is essential for students as HV engineering in nature is an experimentally based science. The theory should be taught and practical should be carried out in such a manner that students are able to acquire different learning outcomes in cognitive, psychomotor and affective domain to demonstrate following course outcomes. i. Evaluate high voltage generation of AC, DC and Impulse in the laboratory. ii. Demonstrate the various techniques for measurement of high voltage AC, DC and Impulse. iii. Analyse the breakdown phenomenon in gases, liquids and solid insulators. iv. Apply the principles of insulation coordination on high voltage and extra high voltage power systems.



Horn Gap Arrester



Van de Graaff generator



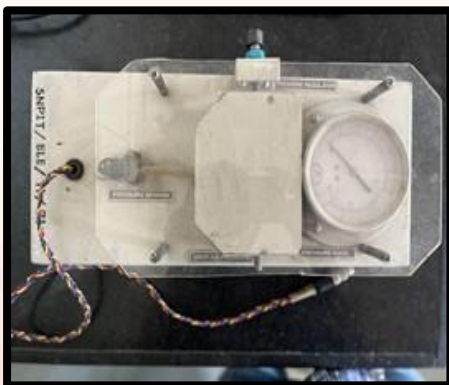
Transformer Oil Testing Kit



Solid Insulator Tester

Electrical Measurement Lab

Objective: The Objective behind this laboratory is to understand the correct function of electrical parameters and calibration of voltage, current, single phase and three phase power and energy, and measurement of electrical characteristics of resistance, inductance and capacitance of circuits through appropriate methods.



Pressure Sensor



Thermocouple



Maxwell's Bridge



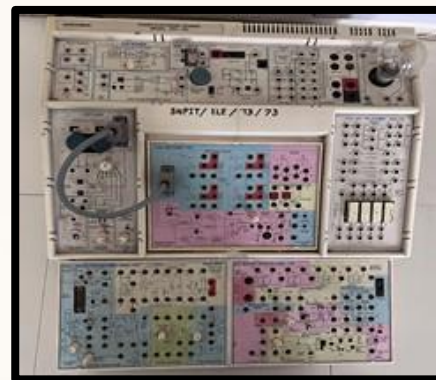
LVDT Transducer

Power Electronics Lab

Objective: The lab aims at imparting practical knowledge of Power Electronics to the students at various levels. To provide a practical exposure to operating principles, design and synthesis of different power electronic converters. It is accordingly well equipped with equipment and trainer kits to teach practical from fundamentals to high level concepts to the students. Learn the characteristics of different types of power electronic devices, understand and analyse the operation of controlled rectifiers, choppers & inverters. Nowadays the experiments are done on computers using open-source software and simulation.



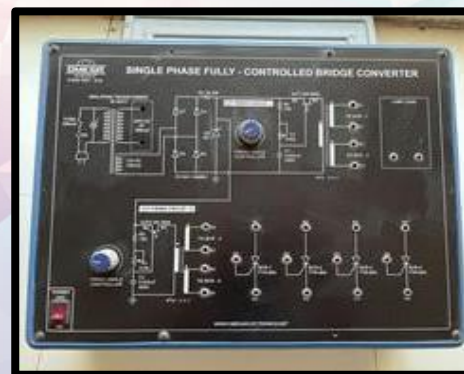
SCR Parallel Inverter



Power Electronics Trainer Kit



3 Phase Fully Controlled Converter

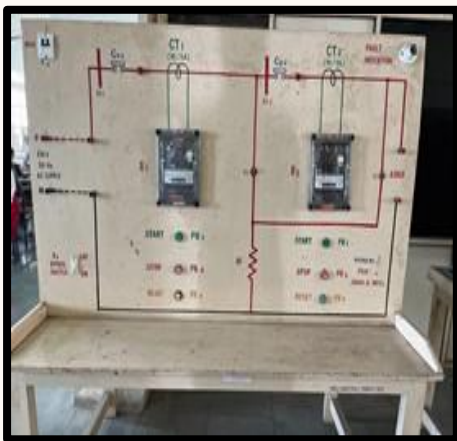


1 Phase Fully Controlled Converter

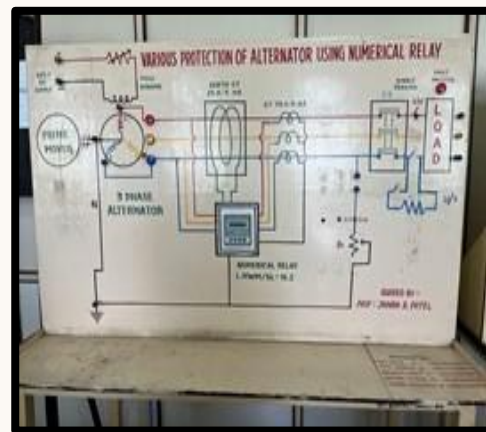
Power System Protection Lab

Objective: The Objective behind this Lab is to help the students to attain the industry identified competency through various teaching learning experience. They are also required to carry out remedial measures for faults/abnormalities in machines/equipment in power systems using appropriate diagnostic instruments/devices. The theory should be taught and practical should be carried out in such a manner that students are able to acquire different learning outcomes in cognitive, psychomotor and affective domain to demonstrate following course outcomes.

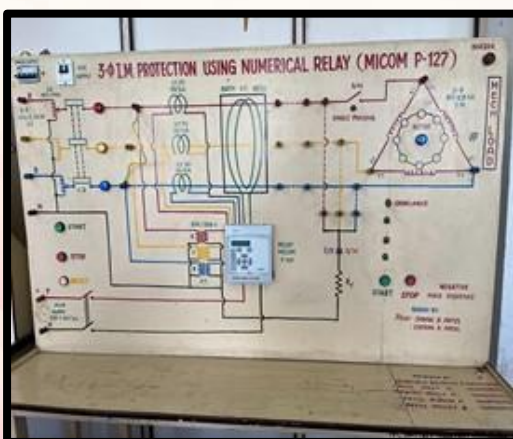
- Identify various types of faults in Power system
- Explain working of different types of circuit breakers in the power system.
- Explain working of different types of relays in the power system.
- Maintain the protection of transmission line and feeder from various faults
- Protect transformer, alternator, motor and bus bar
- Protect power systems against over voltages.



Radial Feeder Protection



Numerical Relay for Alternator Protection



Numerical Relay for I.M. Protection



Parallel Feeder Protection

Faculties and Students' Achievements



Somanath N. Padhi

We are delighted to announce the remarkable achievement of our student, Padhi Somanath Nilanchal, who was honoured with the prestigious Dewang Mehta IT Award-2023 on August 10, 2023. This esteemed award recognizes exceptional dedication, innovation, and outstanding accomplishments in Academics.



Rohan K. Padvi

We are delighted to announce the remarkable achievement of our student, Rohan K. Padvi, who was awarded the prestigious Dewang Mehta IT Award-2023 on August 10, 2023. This esteemed award recognizes exceptional dedication, innovation, and outstanding accomplishments in academics.



Kiran R. Vaghmariya

We are delighted to announce the remarkable achievement of our student, Kiran R. Vaghmariya, who was awarded the prestigious Dewang Mehta IT Award-2023 on August 10, 2023. This esteemed award recognizes exceptional dedication, innovation, and outstanding accomplishments in academics.



Riken R. Prajapati

Riken Prajapati has successfully completed their training in "Lok Nritya" organized by Gujarat Technological University (GTU) from April 11, 2023, to April 17, 2023, at Shree Somnath Sanskrit University, Veraval.



Riken R. Prajapati

Mr. Riken R. Prajapati has joined the camp focused on training related to serving the nation and society, organized by the Indian government's NSS unit. The camp was held at NITTE, Deralakatte, Mangalore, Karnataka, from February 12th to February 18th, 2024.

Initiatives Related To Industrial Interaction And Students Training



Industrial visit - Greatwhite Global Pvt Ltd (15/03/2023)

Description: An industrial visit was organized by the Electrical Engineering Department, SNPITRC (Umrah) for the students of BE 6th Semester on 15th March 2023. They visited “Great White Global Pvt. Ltd.” at Valsad. 48 Students and 2 faculty members visited the industry. The visit made students aware about designing of switches, panel boards and led lighting from the material selection level to final product level.



Industrial visit - Greatwhite Global Pvt Ltd (14/03/2023)

Description: An industrial visit was organized by the Electrical Engineering Department, SNPITRC (Umrah) for the students of BE 6th Semester on 14th March 2023. They visited “Great White Global Pvt. Ltd.” at Valsad. 50 Students and 2 faculty members visited the industry. The visit made students aware about designing of switches, panel boards and led lighting from the material selection level to final product level.



Industrial visit - ERDA, Vadodara (26/10/2023)

Description: Electrical Engineering Department of S N Patel Institute of Technology and Research Centre, Umrah, organized a highly insightful industrial visit for our final year students. The visit was held at ERDA (Electrical Research and Development Association), Vadodara, on 26th October 2023. The industrial visit aimed to enhance your practical knowledge and provide a real-world perspective on the concepts you have learned in your academic curriculum. It offered a platform for interaction with industry experts and professionals, allowing you to gain valuable insights into the industry trends and emerging technologies.



Pedagogy Session (05/08/2023)

Description: The department conducted a pedagogy session at B-29 from 1 PM onwards on Dt. 5/8/2023. From our department, newly recruited Ms. Kinjal H. Chaudhari delivered a lecture in the session. The attendees of the session were faculties, H.O.D and Principal Sir. New faculties got to learn the teaching learning process from senior faculties. It was a good eventful session.



Expert Talk (11/02/2023) - How to crack Aptitude & Technical Test for the Interview” at Department of Electrical Engineering, A. Y. Dadabhai Polytechnic, Kosamba.

Description: Prof. Janak B. Patel has Delivered an expert talk on “How to crack Aptitude & Technical Test for the Interview” on 11/02/2023 at Department of Electrical Engineering, A. Y. Dadabhai Polytechnic, Kosamba.



Expert Talk (17/02/2023) - "How to crack Aptitude & Technical Test for the Interview” at Department of Electrical Engineering, Government Polytechnic, Vyara.

Description: Prof. Janak B. Patel has Delivered an expert talk on “How to crack Aptitude & Technical Test for the Interview” on 17/02/2023 at Department of Electrical Engineering, Government Polytechnic, Vyara.



Expert Talk (24/02/2023) - Basics of Protective Relays for Power System” at Department of Electrical Engineering, BVPIT Polytechnic College, Umrah.

Description: Prof. Janak B. Patel has Delivered an expert talk on “Basics of Protective Relays for Power System” on 24/02/2023 at Department of Electrical Engineering, BVPIT Polytechnic College, Umrah.



Expert Talk (12/09/2023) - Basics of Protective Relays for Power System” at Department of Electrical Engineering, BVPIT Polytechnic College, Umrah.

Description: Prof. Janak B. Patel has Delivered an expert talk on “Basics of Protective Relays for Power System” on 12/09/2023 at Department of Electrical Engineering, BVPIT Polytechnic College, Umrah.



Expert Talk (02/03/2024) - One day workshop on “Switchgear & Protection” for J H Desai Polytechnic students.

Description: On March 2nd, 2024, a one-day Workshop titled "Empowering Futures: Navigating the world of Switchgear and Protection" was organized for visiting Diploma Engineering students from J H Desai Polytechnic. Professor Achal B. Mistry led the theoretical session, followed by Professor Janak B. Patel who conducted the hands-on session. The seminar provided invaluable insights and practical experience, leaving a positive impact on the visiting students.

Ranker Students Of Academic Year 2022-23:

Winter 2022 Examination - Electrical Engineering				
SEM -7				
RANK	PEN	NAME	SPI	CPI
1	190490109057	Somanath N. Padhi	9.21	9.09
2	190490109047	Tejasvini J. Gamit	8.83	8.19
3	190490109055	Daival D. Lad	8.54	8.05



Somanath N. Padhi



Tejasvini J. Gamit

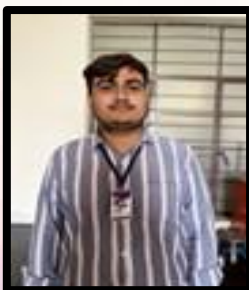


Daival D. Lad

Winter 2022 Examination - Electrical Engineering				
SEM -5				
RANK	PEN	NAME	SPI	CPI
1	200490109009	Bhumika A. Patil	8.87	8.66
2	200490109013	Jainil K. Patel	8.74	7.89
3	200490109007	Hitiksha S. Patel	8.65	7.82



Bhumika A. Patil



Jainil K. Patel



Hitiksha S. Patel

Winter 2022 Examination - Electrical Engineering				
SEM -3				
RANK	PEN	NAME	SPI	CPI
1	210490109091	Kiran R. Vaghmarya	9.26	8.82
2	210490109026	Priyanshi Y. Gamit	8.65	8.02
3	210490109012	Sonu R. Suthar	8.61	8.76



Kiran R. Vaghmarya



Priyanshi Y. Gamit



Sonu R. Suthar

Winter 2022 Examination - Electrical Engineering				
SEM -1				
RANK	PEN	NAME	SPI	CPI
1	220490109020	Rohan K. Padvi	7.73	7.73
2	220490109031	Raj G. Patel	7.67	7.67
3	220490109026	Vibha S. Patel	7.33	7.33



Rohan K. Padvi



Raj G. Patel



Vibha S. Patel

Summer 2023 Examination - Electrical Engineering				
SEM -8				
RANK	PEN	NAME	SPI	CPI
1	190490109047	Tejasvini J. Gamit	10	8.32
2	190490109057	Somanath N. Padhi	10	9.16
3	190490109073	Pravin U. Patel	10	8.65



Tejasvini J. Gamit



Somanath N. Padhi



Pravin U. Patel

Summer 2023 Examination - Electrical Engineering				
SEM -6				
RANK	PEN	NAME	SPI	CPI
1	200490109009	Bhumika A. Patil	8.96	8.86
2	200490109026	Sahil M. Chaudhari	8.91	8.8
3	200490109025	Hemant L. Bhoya	8.7	8.2



Bhumika A. Patil



Sahil M. Chaudhari



Hemant L. Bhoya

Summer 2023 Examination - Electrical Engineering				
SEM -4				
RANK	PEN	NAME	SPI	CPI
1	210490109091	Kiran R. Vaghmarya	8.96	8.86
2	210490109012	Sonu R. Suthar	8.91	8.8
3	210490109026	Priyanshi Y. Gamit	8.7	8.2



Kiran R. Vaghmarya



Priyanshi Y. Gamit



Sonu R. Suthar

Summer 2023 Examination - Electrical Engineering				
SEM -2				
RANK	PEN	NAME	SPI	CPI
1	220490109026	Vibha S. Patel	8.5	8.05
2	220490109010	Vrutika K. Dhodiya	8.38	7.85
3	220490109013	Nishaben V. Gamit	8.17	7.59



Vibha S. Patel







Vrutika K. Dhodiya



Nishaben V. Gamit



Placement Details 2023:

Sr. No.	Student Name	Department	Company Name	Designation
	Hetal V. Chaudhari	Electrical	Rayzon Solar Pvt. Ltd.	Production Engineer
	Rahul B. Gamit	Electrical	Rayzon Solar Pvt. Ltd.	Maintenance Engineer
	Nidhi R. Kataria	Electrical	Rayzon Solar Pvt. Ltd.	Production Engineer
	Karan R. Salunke	Electrical	Velox Automation	Intern
	Rajneesh N. Pal	Electrical	Velox Automation	Intern

Sr. No.	Student Name	Department	Company Name	Designation
	Dipak S. Wagh	Electrical	Velox Automation	Intern
	Mehul R. Kulkarni	Electrical	BFY Brands Ltd. Belgium	Solar Engineer
	Krunal M. Patel	Electrical	Solex Energy Ltd. Factory	Production Engineer
	Divyesh L. Chaudhari	Electrical	Solex Energy Ltd. Factory	Production Engineer
	Payal J. Chaudhari	Electrical	Meinhardt Group EPCM India Pvt. Ltd.	Graduate Engineer Trainee

Sr. No.	Student Name	Department	Company Name	Designation
	Abhishek C. Dahake	Electrical	Meinhardt Group EPCM India Pvt. Ltd.	Graduate Engineer Trainee
	Akshay P. Gamit	Electrical	Rayzon Solar Pvt. Ltd.	Production Engineer
	Dipak S. Wagh	Electrical	Rayzon Solar Pvt. Ltd.	Production Engineer
	Hardik G. Zinzala	Electrical	Rayzon Solar Pvt. Ltd.	Production Engineer
	Jignesh D. Rathod	Electrical	Rayzon Solar Pvt. Ltd.	Production Engineer

Sr. No.	Student Name	Department	Company Name	Designation
	Payal J. Chaudhari	Electrical	Rayzon Solar Pvt. Ltd.	Production Engineer
	Saurabh R. Bhoi	Electrical	Rayzon Solar Pvt. Ltd.	Production Engineer
	Shreyansh S. Gamit	Electrical	Rayzon Solar Pvt. Ltd.	Production Engineer
	Fenil S. Rathod	Electrical	Rayzon Solar Pvt. Ltd.	Quality Engineer
	Hitesh M. Rathod	Electrical	Rayzon Solar Pvt. Ltd.	Quality Engineer
	Sarthik J. Taliya	Electrical	Rayzon Solar Pvt. Ltd.	Quality Engineer

Sr. No.	Student Name	Department	Company Name	Designation
	Yash M. Parmar	Electrical	Rayzon Solar Pvt. Ltd.	Quality Engineer
	Rohit Ketankumar	Electrical	Macleods Pharmaceutical Ltd	Maintenance Engineer



Higher Studies Data

Sr. No.	Student Name	PEN	Name of the Employer
1.	Lad Daival Deepakkumar	190490109055	New York Inst. Of Tech., Canada
2.	Patel Alka Dilip	190490109063	MGITER, Navsari
3.	Yadav Pooja Mahendra	190490109093	VGEC, Chankheda
4.	Tandel Premkumar Manojbhai	190490109083	The Great Eastern Shipping Company, Lonavala
5.	Patel Krupaliben Dilipbhai	190490109070	Monark University, Vahelal, Naroda
6.	Rathod Nitaben Sitarambhai	190490109078	Monark University, Vahelal, Naroda
7.	Gamit Jinalkumari Dharmeshbhai	190490109025	UTU, Bardoli
8.	Gayakwad Sarojben Meravanbhai	190490109052	Monark University, Vahelal, Naroda
9.	Vasava Jetalben Kanthadsing	190490109088	Monark University, Vahelal, Naroda
10.	Patel Vikaskumar Vijaybhai	140490109081	Conestoga College, Canada
11.	Chaudhari Jaynikkumar Amrutlal	180490109008	Shantilal Shah College Bhavnagar
12.	Chaudhari Brijalkumari Ramsingbhai	180490109003	Monark University, Vahelal, Naroda
13.	Chaudhari Linakumari Jagdishbhai	180490109009	Monark University, Vahelal, Naroda
14.	Gamit Kristinaben Pravinbhai	180490109025	MSU, Vadodara
15.	Nayka Sonaliben Dilipbhai	180490109042	UTU, Bardoli
16.	Vasava Bhumikaben Arvindbhai	180490109065	University of Windsor, Canada
17.	Patel Hartikkumar Hiteshbhai	180490109046	Monark University, Vahelal, Naroda
18.	Patel Vishalbhai Champakbhai	180490109055	Monark University, Vahelal, Naroda
19.	Chaudhari Rinkal Rakeshbhai	170490109018	BVM, VV Nagar
20.	Gamit Divyesha Singabhai	170490109028	BVM, VV Nagar



Sr. No.	Student Name	PEN	Name of the Employer
21.	Garasia Pooja Kumar Ashwinbhai	170490109041	Merchant Engg. College, Mehsana
22.	Lathiya Nayanbhai Dhirubhai	170490109050	University of Surriy, Canada
23.	Patel Kinjal Hasmukhbhai	170490109066	Merchant Engg. College, Mehsana
24.	Chaudhari Bhaveshkumar umanbhai	180493109006	Shankarsigh Vaghela Bapu Institute of Technology, Ahmedabad
25.	Patel Ketankumar Dhansukhlal	180493109045	Kalol Inst. Of Tech & Research Centre, Kalol

What Our Students Say About Us:



Bhumika A. Patil

Message: At SNPIT & RC, UMRAXH, the schedule is very flexible for the students & individual concentration is there on every student. They provide amazing study material which provides more than sufficient practice. They freely interact with us and willingly clarify our doubts. They also guide us with career options. Teaching at SNPIT & RC, is exceptionally good as the faculty focuses on each and every corner of the topic. They not only focus on the curriculum but also enhance our innate wisdom.



Hitiksha S. Patel

Message: SNPIT & RC, UMRAXH is a place where creativity and talent is given the first priority. It is well known for the quality and impact of its teaching. SNPIT & RC, UMRAXH is a very good college. It has an excellent faculty preparing and motivating its students for a better future. It is a student-oriented institute whose sole purpose is students' success. SNPIT & RC, UMRAXH has a stress free and a friendly environment. I'm really glad I decided to join SNPIT & RC because it's helped me understand the subjects rather than just memorizing them and it has also helped me grow as an individual.



SHRI SITARAM N PATEL INST. OF TECH. & RES. (SNPIT)

(શ્રી સીતારામભાઈ નારણજી પટેલ ડિગ્રી ઇજનેરી કોલેજ)



Mechanical Engineering

www.snpitrc.ac.in



Vidyabharti Campus, At & Po Baben, Ta: Bardoli, Dist: Surat-394601

For Admission:

90 99 70 78 78

Mechanical Engineering Department

About Department:

S.N. Patel Institute of Technology & Research Centre established in 2008 with 240 intakes. Mechanical Engineering was one of the streams since inception with 60 intakes. In 2010, intake increased to 120. The intake of the department was revised to 60 from academic year 2022-23. Post-Graduation course in Production Engineering with 24 intake was sanctioned in 2014.

Department of Mechanical Engineering is accredited by “National Board of accreditation New Delhi”, which is accredited up to June 2026.

The department has an excellent industrial interaction and organized Industrial Visits based on various subject fields. Department has also organized STTP, FDP, Workshops, Seminar and Expert Lectures to improve extra skills and knowledge of students as well as Faculties. Department consists of all well-equipped laboratory with sophisticated instruments.

The departmental subjects are categorized into major areas viz.

- Thermal Engineering
- Fluid Power Engineering and Fluid machines
- Machine Design
- CAD/CAM
- Production Engineering

Message From Head of Department:



Prof. Priyank P. Dave

Mechanical engineering is a versatile and evergreen branch of engineering. Mechanical engineers can work in various specialized areas like automotive system, aerospace engineering, design engineering, dynamic system and control, power plant engineering, etc. and most importantly in the software field also.

Department has well qualified and experienced faculties. Department has well developed laboratories. Department follows the student centric teaching-learning approach and imparts quality engineering education through classrooms and Laboratory teaching. The Department has procured Solid works software with perpetual license to make the students experts in software knowledge to take competitive advantage for better job opportunities. Expert lectures and industry visits are arranged regularly for the students. Moreover, the Mechanical Engineering Department regularly arranges seminars / workshops on current trends related to various domains of Mechanical Engineering by inviting external specialized speakers.

Faculty Details:

Sr. No.	Name of Faculty	Qualification	Specialization	Designation
1.	Dr. Piyush S. Jain	M.Tech, Ph.D.	Composites Material Characterisation, Manufacturing	Principal & Professor
2.	Prof. Priyank P. Dave	M.E, Ph.D. (Pursuing)	Energy Engineering	Assistant Professor
3.	Dr. Shakil A. Kagzi	M.Tech, Ph.D.	Metal Forming, Manufacturing Processes	Associate Professor
4.	Prof. Vishalk Z. Dhimmar	M.E, Ph.D. (Pursuing)	Machine Design	Assistant Professor
5.	Prof..Hitesh A. Tailor	M.Tech	Thermal System And Design	Assistant Professor
6.	Prof..Rinkesh B. Patel	M.Tech,	Fluid, Thermal Engineering	Assistant Professor
7.	Prof..Milan R. Patel	M.E, Ph.D. (Pursuing)	Production Engineering	Associate Professor
8.	Prof..Hiren B. Tamboli	M.Tech,	Thermal System Design	Assistant Professor
9.	Prof..Nilesh V. Rana	M.E.	CAD/CAM Engineering	Assistant Professor
10.	Prof. Divyesh S. Patel	M.E.	Production Engineering	Assistant Professor
11.	Prof. Mayank B. Parmar	M.E.	Thermal Engineering	Assistant Professor
12.	Prof. Mehul M. Jikar	M.E.	Manufacturing Technology	Assistant Professor
13.	Dr. Arif M. Varsi	M.Tech, Ph.D.	CAD/CAM Engineering	Associate Professor
14.	Prof. Ankur S. Gamit	M.Tech	Thermal System Design	Assistant Professor
15.	Prof. Tapn R. Chaudhari	M.E.	Production Engineering	Assistant Professor
16.	Prof. Vipul J. Variya	M.E.	Machine Design	Assistant Professor

Faculty Assets



Dr. Piyush S. Jain
Principal &
Professor
Ph.D.



Prof. Priyank P.
Dave
Assistant Professor
Ph.D (Pursuing),
M.E.



Dr. Shakil A. Kagzi
Associate Professor
Ph.D.



Prof. Vishal Z. Dhimmar
Assistant Professor
M. E.



Prof. Hitesh A.
Tailor
Assistant Professor
M.E.



Prof. Rinkesh B.
Patel
Assistant Professor
M.Tech.



Prof. Milan R. Patel
Assistant Professor
Ph.D (Pursuing),
M.E.



Prof. Hiren B. Tamboli
Assistant Professor
M.Tech



Prof. Nilesh V. Rana
Assistant Professor
M.E.



Prof. Divyesh S.
Patel
Assistant Professor
M.E.



Prof. Mayank B.
Parmar
Assistant Professor
M.E.



Prof. Mehul M. Jikar
Assistant Professor
M.E.



Dr. Arif M. Varsi
Associate Professor
Ph.D.



Prof. Ankur S. Gamit
Assistant Professor
M. Tech.



Prof. Tapan R.
Chaudhari
Assistant Professor
ME

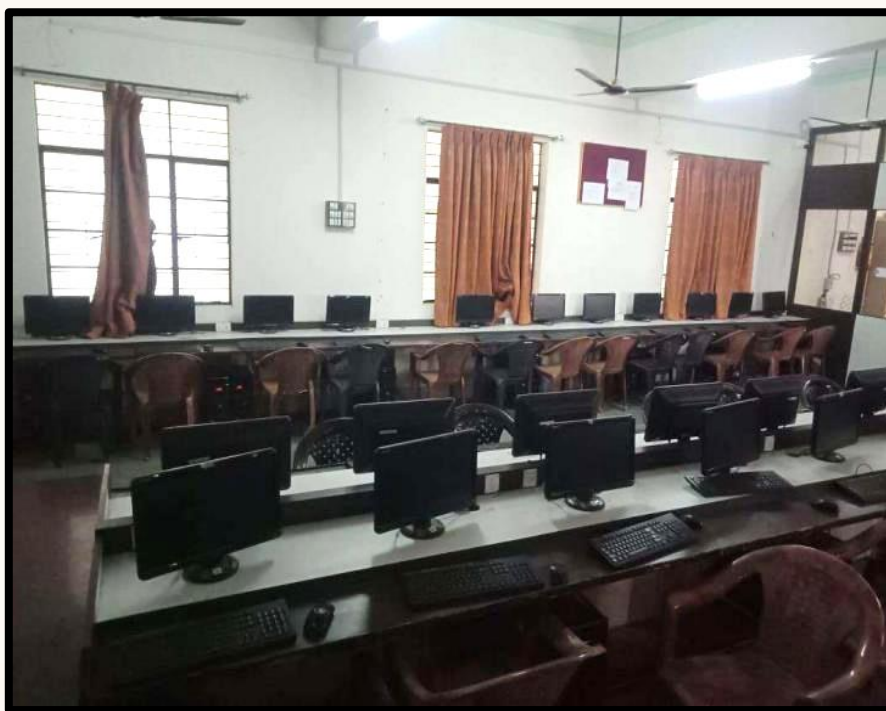


Prof. Vipul J. Variya
Assistant Professor
M.E.

Laboratory Facilities

Computer Aided Design Lab

CAD (Computer Aided Design) provides a convenient means to create designs for almost every engineering discipline. It can be used for Architectural design, Mechanical design, electrical design, plant design, industrial design, duct design, electronic circuit design, and product design. The CAD laboratory has been equipped with computer systems of latest configuration and the department has also upgraded the laboratory by installing perpetual licensed software “SOLIDWORKS” having key benefits such as: A better design approach, increased employability, Value addition in students’ profile and many more.



Computer Aided Design Lab (Solid work licences version)

Fluid Mechanics

Fluid mechanics is the branch of physics that deals with the study of all fluids under static and dynamic situations. Fluid mechanics can be divided into fluid statics, the study of fluids at rest; and fluid dynamics, the study of the effect of forces on fluid motion. This study area deals with many and diversified problems such as surface tension, fluid statics, flow in enclosed bodies, or flow round bodies (solid or otherwise), flow stability, etc. It is important to understand the functioning principles and characteristics of fluid motions from an engineering point of view. The Fluid Mechanics laboratory is an actively engaged to reinforce and enhance understanding of the fundamentals of Fluid Mechanics. The experiments here are designed to demonstrate the

applications of the basic fluid engineering principles and to provide a more intuitive and physical Understanding of the theory.



Pitot Tube Apparatus



Centrifugal Pump Test Rig

Workshop Practice

To familiarize with the basic manufacturing processes and to study the various tools and equipment used, hands-on training is given in different sections. Essentially students should know the labour involved, machinery or equipment necessary, time required to fabricate and also should be able to estimate the cost of the product or job work. The workshop practice deals with the basic knowledge of carpentry, fitting and smithy jobs.



Workshop Practice Lab

Dynamics of Machine Lab

This lab is for mechanical 3rd year students with facilities for the group of 30 students to carry out experiments independently. The lab is well-equipped and enables students to understand the balancing of machine parts statically and dynamically and also used to understand the dynamic behaviour of moving objects.



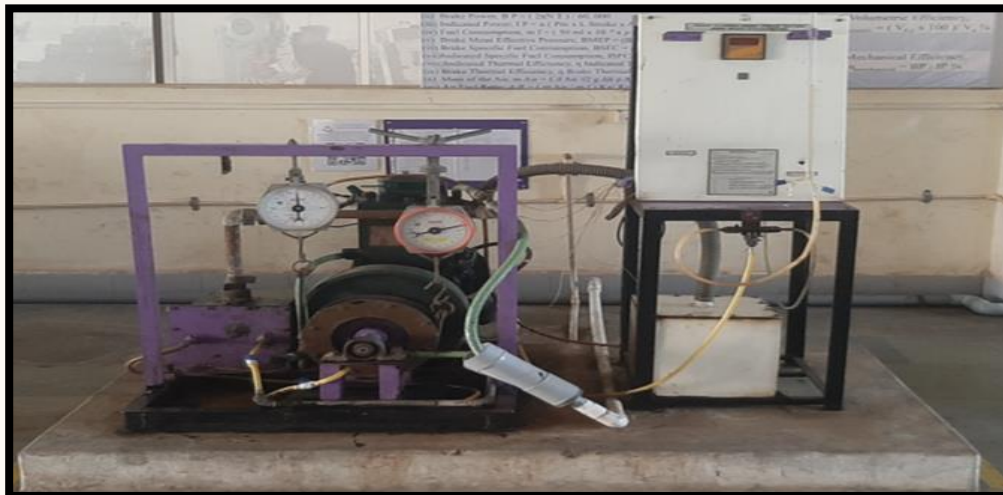
Universal Vibration Apparatus



Epicyclic Gear Train

Internal Combustion Engine Lab

This lab is for mechanical pre-final year students with facilities for a group of 30 students to carry out experiments independently. The lab is well-equipped and enables students to understand the basic construction of two-stroke and four-stroke diesel and petrol engines. The lab also contains basic parts of an engine like carburettor, Fuel injection system, and engine cooling system.



4-stroke, single cylinder Diesel Engine coupled to a Rope Drum dynamometer



4 Stroke Petrol Engine

Fluid Power Engineering Lab

The fluid power experimental lab is part of a modular program of mechanical engineering. This lab covers all hydraulic and pneumatic applications that answer the needs of students at any educational level or specialization. The lab enables students to understand the fundamentals of properties of fluids and governing equations like continuity, impulse-momentum equation, and Bernoulli's equation. This lab encourages hands-on learning and is a great addition to any hydraulic and pneumatic lab.



Francis Turbine



Impact Of Jet On Vanes

Computer Aided Manufacturing Lab

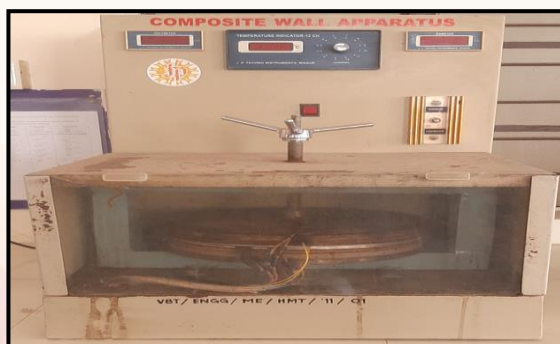
This lab is for mechanical final year students with facilities for the group of 30 students to carry out experiments independently. The lab is well-equipped and enables students to understand the basics of CNC machine and manufacturing technology using a highly sophisticated Vertical Machining Centre (VMC).



Vertical Machining Centre (VMC px20).

Heat Transfer Lab

This lab is a part of the curriculum of mechanical 3rd year students with facilities for the group of 30 students to carry out experiments independently. The lab is well-equipped with calibrated equipment and enables students to understand the basics of modes of heat transfer i.e., conduction, convection and radiation. Heat Transfer laboratory provides fundamental and industrial knowledge about modes of heat transfer, like conduction, convection and radiation, and their application.



Composite Wall Apparatus



Emmissivity Measurement Apparatus



Force Convection Apparatus

Machine Tool Lab

This laboratory is aimed at providing an introduction to the Know-how of common processes used in industries for manufacturing parts by removal of material in a controlled manner. Auxiliary methods for machining to desired accuracy are covered. The emphasis throughout the laboratory course will be on understanding the basic features of the processes rather than details of constructions of machines, or common practices in manufacturing or acquiring skill in the operation of machines.



Vertical Machining Centre with tool bed (VMC px20)

Students & Departmental Faculty Activities



Patent Registration

Registered a Patent

Prof. Milan Patel & Dr. Kripanarayan Shukla along with our 5 SNPIT Students ER. Kailas G. Ahire, ER. Jenish Gandhi, ER. Vishal Murlidhar Patil (currently serving in the Indian Army), ER. Rushikesh Vijay Patil & ER. Gopal Pawar, have successfully secured an Indian patent for their innovative product titled **"Banana Pseudostem Cutting Machine And Method Thereof."** It is truly an accomplishment to not only obtain the patent but also to design and develop a working product. The fact that the machine is being tested at Navsari Agricultural University adds further credibility to its innovation.



Mr. Ronak A Mehta

GOLD MEDAL

With boundless pride and sheer elation, we joyously unveil the extraordinary triumph of Ronak A Mehta, now adorned with the illustrious title of Gold Medallist! Join us in a resounding chorus of congratulations for our esteemed achiever, Ronak A Mehta! May the path ahead be adorned with even more remarkable victories, ushering in a future brimming with fulfilment and continue success.



Vgrown Tech. Private Ltd



Sopan Infotech



Mr. Bhavesh Patil, Mr. Harshad Mistry, Mr. Rajan Chauhan and Mr. Mit Majithiya

Placement Drive

The Training & Placement Cell of SNPIT&RC Umrakh College was organized through a combined placement drive by Company "Vgrown Tech. Private Ltd, Surat" On 3rd August 2023 on this single day more than 65 students got placed with the company. 08 students from the Mechanical Engineering Department got selected. The average remuneration package was 3LPA.

Procurement Solid Works Software

Solid works perpetual license software procured by SNPIT&RC Umrakh from Sopan Infotech Surat. On that occasion, Memento was presented to SNPIT&RC Umrakh on 19th July 2023.

Placement

Students of the Mechanical department Bhavesh Patil, Harshad Mistry, Rajan Chauhan and Mit Majithiya got selected in "MacLeods Pharmaceutical Ltd" Mumbai, Maharashtra, India. Placement drive was arranged by the Training & Placement Cell of the Mechanical Engineering Department at SNPIT&RC College Campus on 18th July 2023. Congratulations to them on behalf of the entire SNPIT&RC Family.



Patel Yuvraj and Patil Vipul

Placement

Students of final Year Mechanical department Patil Vipul and Patel Yuvraj got selected by "Meinhardt Group" on 24th March 2023 congratulations to them on behalf of the entire SNPIT Family.



Dr. Hitesh S. Jariwala

Expert lecture

Dr. Hitesh S. Jariwala has delivered an expert lecture on "Press Tool Design" to Final Year Mechanical department students at "Government Polytechnic College Vyara", Dist. Tapi, Gujarat. On 17th February 2023.



Dr. Hitesh S. Jariwala

Expert lecture

Dr. Hitesh S. Jariwala has Delivered an expert lecture on "Placement Tips & How to Crack Aptitude Test of MNCs" & "Fabrication Technology & Non-Destructive Tests" to Final Year Student of Diploma Engineering at "A.Y.Dadabhai Polytechnic, Kosamba", Surat, Gujarat. on 11th February 2023

Industrial Visit

The Training & Placement Cell of the Mechanical Engineering Department had organized an Industrial Visit at "SUMUL DAIRY" Surat, Gujarat on 8th September 2023 for the Final Year Students.



Sumul Dairy

Industrial Visit

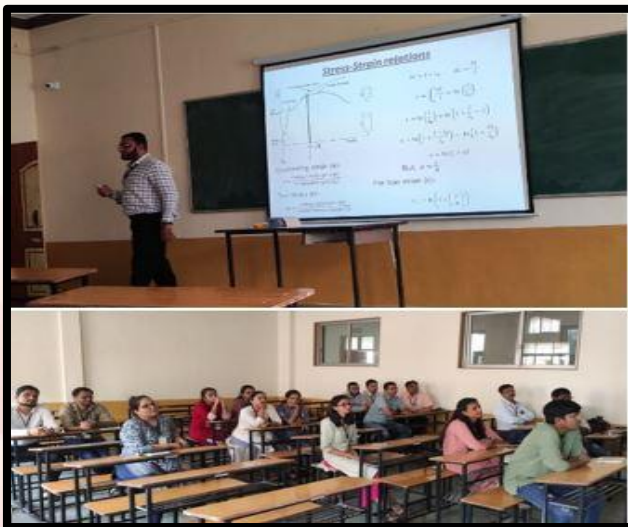
The Training & Placement Cell of the Mechanical Engineering Department had organized an Industrial Visit at "Vrindavan Industries", Sachin Surat, Gujarat on 23th March 2023 for the 3rd Year Students.



Vrindavan Industries

Pedagogy session

The Mechanical Engineering department conducted a pedagogy session on 15th July 2023. Prof. Mehul Jikar and Dr. Shakil Kagzi delivered lectures in the presence of all the departmental faculties as well as head of the department and Principal Sir. Overall session was good and helpful.



Prof. Mehul Jikar and Dr. Shakil Kagzi

Pedagogy session

The Mechanical Engineering department conducted a pedagogy session on 5th Aug 2023. Prof. Vipul Variya and Prof. Ankur Gamit and Prof. Tapan Chaudhari delivered lectures in the presence of all the departmental faculties as well as head of the department and Principal Sir. Overall session was good and helpful.



**Prof. Vipul Variya and Prof. Ankur Gamit and
Prof. Tapan Chaudhari**

Campus Placement

The Training & Placement Cell of Mechanical Engineering Department had organized Campus Placement drive by company "MacLeods Pharmaceutical Ltd" Mumbai, Maharashtra, India on 18th July 2023 for the Final Year Students.



MacLeods Pharmaceutical Ltd

Campus Placement

The Training & Placement Cell of Mechanical Engineering Department had organized Campus Placement drive by company "HLE Glascoat Limited" Maroli, Village, Nadod, Gujarat on 15th May 2023 for the Final Year Students



HLE Glascoat Limited

Campus Placement

The Training & Placement Cell of Mechanical Engineering Department had organized Campus Placement drive by company "Kataria Automobile Pvt Ltd." Surat, Gujarat on 8th May 2023. Total 4 students have been Placed.



Kataria Automobile Pvt Ltd

One Day STTP

Mechanical Engineering Department successfully organized a One Day Seminar on "Solid-works- CAD and Espirit- CAM" delivered by Mr. Keyurbhai Chavda (Marketing Executive) and Mr. Mitul Patel (Sr. CAD Engineer), SOPAN Institute Pvt. Ltd., Surat, for the 3rd Year Students on 13/03/2023.



Solid-works- CAD and Espirit- CAM

One Day STTP

The Department of Mechanical Engineering had organized one day workshop on "Advance Manufacturing Process and NDT" on 17th February 2023 from this workshop Student was benefited with the demonstration of the Vertical Milling machining centre (VMC), TIG and MIG welding, Actual Sand-Casting process and Dye Penetration Test.



Advance Manufacturing Process and NDT

Ranker Student Details:

Summer 2023 Toppers				
Semester 2				
RANK	PEN	NAME	SPI	CPI
1	220490119007	Ojha Naumitkumar Shivprakash	7.88	8.33
2	220490119001	Behera Nigamviswaranjan Ashok	7.54	8.05
3	220490119013	Varli Jaykumar Vijaybhai	6.21	6.77



NAUMIT S. OJHA
SPI: 7.88
Rank:1



NIGAM A. BEHERA
SPI:7.54
Rank:2



JAY V. VARLI
SPI: 6.21
Rank:3

Summer 2023 Toppers				
Semester 4				
RANK	PEN	NAME	SPI	CPI
1	210490119030	Patel Anshkumar Bhaveshbhai	9	7.98
2	210490119008	Gamit Gauravkumar Babubhai	8.48	7.54
3	210490119024	Chaudhari Darshanakumari Ashvinbhai	8.13	7.82



ANSH B. PATEL
SPI: 9
Rank:1



GAURAV B. GAMIT
SPI: 8.48
Rank:2



DARSHANA A. CHAUDHARI
SPI: 8.13
Rank:3

Summer 2023 Toppers				
Semester 6				
RANK	PEN	NAME	SPI	CPI
1	200490119019	Panchal Harshkumar Chetankumar	9	9.15
2	200490119028	Khalasi Utsavbhai Sanjaybhai	8.52	8.18
3	200490119034	Rajpurohit Krishna Deepsingh	8.39	7.94



HARSH C. PANCHAL
SPI: 9
Rank:1



UTSAV S. KHALASI
SPI: 8.52
Rank:2



KRISHNA D. RAJPUROHIT
SPI: 8.39
Rank:3

Summer 2023 Toppers				
Semester 8				
RANK	PEN	NAME	SPI	CPI
1	190490119032	Patel Dharmin Vinaykumar	10	8.32
2	190490119037	Patel Jeel Suketubhai	10	8.26
3	190490119054	Tandel Kevalkumar Minishbhai	10	8.04



DHARMIN V. PATEL
SPI: 10
Rank:1



JEEL S. PATEL
SPI: 10
Rank:2



KEVAL M. TANDEL
SPI: 10
Rank:3

Rankers Student 2022-23

Winter 2022 Toppers				
Semester 1				
RANK	PEN	NAME	SPI	CPI
1	220490119007	Ojha Naumit Kumar Shivprakash	9.07	9.07
2	220490119001	Behera Nigamviswaranjan Ashok	8.87	8.87
3	220490119013	Varli Jaykumar Vijaybhai	7.67	7.67



NAUMIT S. OJHA
SPI:9.07
Rank:1



NIGAM A. BEHERA
SPI:8.87
Rank:2



JAY V. VARLI
SPI:7.67
Rank:3

Winter 2022 Toppers				
Semester 3				
RANK	PEN	NAME	SPI	CPI
1	210490119030	Patel Anshkumar Bhaveshbhai	7.9	7.6
2	210490119011	Rajput Abhishek Rajkumarsingh	7.4	7.6
3	210490119043	Patel Rohanbhai Alpeshbhai	7.4	7.1



ANSH B. PATEL
SPI:7.9
Rank:1



ABHISHEK R. RAJPUT
SPI:7.4
Rank:2



ROHAN A. PATEL
SPI:7.4
Rank:3

Winter 2022 Toppers				
Semester 5				
RANK	PEN	NAME	SPI	CPI
1	200490119019	Panchal Harsh R	9.22	9.19
2	210490119527	Patil Nilesh Amrutlal	8.3	7.65
3	200490119016	Padvi Aniruddh Nareshbhai	8.26	7.88



HARSH R. PANCHAL
SPI:9.22
Rank:1



NILESH A. PATIL
SPI:8.3
Rank:2



ANIRUDDH N. PADVI
SPI:8.26
Rank:3

Winter 2022 Toppers				
Semester 7				
RANK	PEN	NAME	SPI	CPI
1	190490119032	Patel Dharmin Vinaykumar	8.33	8.19
2	190490119037	Patel Jeel Suketubhai	8.29	8.13
3	190490119054	Tandel Keval Kumar Minishbhai	8.75	7.89



DHARMIN V. PATEL
SPI:8.33
Rank:1














JEEL S. PATEL
SPI:8.29
Rank:2








KEVAL M. TANDEL
SPI:8.75
Rank:3

Placement Details:

Photo	Name of the Student	Enrollment No.	Name of the Firm
	Chaitanya Dilipbhai Chaudhari	190490119011	Rayzon Solar Energy, Kim.
	Bhautik Jorubhai Khasiya	190490119022	Rayzon Solar Energy, Kim.
	Pranav Prakashbhai Patel	190490119042	Rayzon Solar Energy, Kim.
	Abhishek Anojbhai Singh	190490119046	Rayzon Solar Energy, Kim.
	Vyas Parth Jitendra	200490119518	Jak Machinery, Surat

	Majithiya Meet Pratapbhai	200490119554	Technoraill- Maruti Architectural Products Pvt Ltd, Ena, Palsana
	Patel Yuvraj Kishorbhai	200490119581	Meinhardt Group, Bangalore
	Patil Vipul Narayan	200490119586	Meinhardt Group, Bangalore
	Sharma Ashish Ramratan	200490119580	Vgrown Tech Pvt. Ltd.
	Akshat Singh	190490119047	Vgrown Tech Pvt. Ltd.
	Dhruv D Chaudhari	190490119007	Vgrown Tech Pvt. Ltd.

	Chaudhari Kuldeepbhai Mohanbhai	190490119008	Vgrown Tech Pvt. Ltd.
	Patel Harshadbhai Pramodbhai	190490119035	Vgrown Tech Pvt. Ltd.
	Chevli Yash Kamleshkumar	200490119561	Vgrown Tech Pvt. Ltd.
	Meet Vijaybhai Makwana	200490119506	Vgrown Tech Pvt. Ltd.
	Jay Tailor	190490119052	Vgrown Tech Pvt. Ltd.

Students Articles

Robotics in Mechanical Engineering: The Future of Automation



The intersection of mechanical engineering and robotics has given rise to ground breaking innovations that are transforming industries, from manufacturing and healthcare to space exploration and beyond. Robotics, as a branch of mechanical engineering, offers unprecedented possibilities for automation and precision. In this article, we explore the exciting world of robotics and its profound impact on mechanical engineering.

The Role of Robotics in Mechanical Engineering

Mechanical engineering is the backbone of robotics, providing the foundational knowledge and expertise required to design and build robotic systems. Robotics, in turn, has expanded the horizons of mechanical engineering by introducing cutting-edge technologies and applications.

Manufacturing Automation: Robotics has revolutionized manufacturing by introducing automation in assembly lines. Robotic arms, guided by sophisticated software and sensors, can perform repetitive tasks with unparalleled precision and speed. This not only increases efficiency but also reduces errors and labour costs.

Robotic systems are used in precision engineering tasks such as 3D printing and CNC machining. Robots can create complex geometries and structures with micron-level accuracy, making them indispensable in industries where precision is paramount.

Surgical Robots: The field of healthcare has benefited immensely from robotic advancements. Surgical robots assist surgeons in performing minimally invasive procedures with greater precision, reducing patient trauma and recovery times.

Robots play a pivotal role in space exploration. Robotic rovers like NASA's Mars rovers, for example, have expanded our understanding of other planets. These machines are designed to endure harsh environments and execute complex tasks in distant locations.

In agriculture, robots are used for tasks such as planting, harvesting, and monitoring crops. These robots improve crop yield, reduce resource consumption, and lessen the need for manual labour.

Challenges and Future Directions

While robotics in mechanical engineering holds immense promise, it also presents certain challenges:

The design and programming of advanced robotic systems are highly complex tasks that require interdisciplinary expertise in mechanical engineering, computer science, and electronics.

Developing and implementing robotic systems can be expensive, particularly for smaller businesses. However, as technology evolves, costs are gradually decreasing, making robotics more accessible.

The integration of robots into society raises ethical concerns, particularly in fields like AI and robotics. Ensuring robots operate safely and ethically is an ongoing challenge.

Looking ahead, the future of robotics in mechanical engineering is bright:

Artificial intelligence (AI) is becoming increasingly integrated with robotics, allowing machines to learn and adapt to their environments. This will lead to more autonomous and intelligent robots.

Collaborative robots, or "cobots," will become more prevalent. These robots can work alongside humans, enhancing productivity and safety in various industries.

Robotics will continue to play a pivotal role in space exploration, with plans for sending more advanced robotic missions to distant planets and celestial bodies.

Bs6 Engine: A Technological Marvel in Mechanical Engineering



In the realm of mechanical engineering and automotive technology, the transition from BS4 (Bharat Stage 4) to BS6 (Bharat Stage 6) engines represents a remarkable leap forward in terms of emissions control and engine efficiency. The BS6 standard, implemented in India in April 2020, imposes stringent regulations on vehicular emissions. In this article, we delve into the significance and technological advancements of BS6 engines.

BS6: The Need for Change

The need to switch from BS4 to BS6 engines stemmed from environmental concerns, primarily the alarming levels of air pollution in India's urban centers. BS6 norms mandate a significant reduction in the emission of harmful pollutants, such as nitrogen oxides (NO_x), particulate matter (PM), hydrocarbons (HC), and carbon monoxide (CO), compared to their BS4 counterparts.

Key Technological Advancements

Improved Combustion

BS6 engines employ advanced combustion techniques, including direct fuel injection and optimized air-fuel mixture ratios. This results in more complete and efficient combustion, reducing emissions significantly.

Selective Catalytic Reduction (SCR)

Many BS6-compliant diesel engines incorporate SCR technology, which involves injecting a urea-based solution (AdBlue) into the exhaust stream to convert NO_x into harmless nitrogen and water vapor. This process significantly reduces nitrogen oxide emissions.

Particulate Filters

To control particulate matter emissions, BS6 engines often feature particulate filters that trap and remove tiny soot particles from the exhaust gases. These filters are especially prevalent in diesel-powered vehicles.

Electronic Control Units (ECUs)

Modern BS6 engines are equipped with highly sophisticated ECUs that monitor and control various engine parameters in real-time. This allows for precise control of combustion, exhaust gas recirculation (EGR), and aftertreatment systems, ensuring optimal performance and minimal emissions.

Enhanced Sensors and Feedback Loops

BS6 engines incorporate a plethora of sensors to continuously monitor engine conditions and emissions. This data is used to fine-tune engine operation for maximum efficiency and emissions reduction.

Benefits of BS6 Engines

Environmental Benefits: The primary goal of implementing BS6 norms is to reduce air pollution and improve air quality. BS6 engines are significantly cleaner, emitting fewer pollutants and greenhouse gases.

Fuel Efficiency: The technological advancements in BS6 engines often result in improved fuel efficiency. This not only reduces operating costs for vehicle owners but also decreases overall fuel consumption and its associated environmental impact.

Health Benefits: Cleaner air, thanks to BS6 engines, has a direct positive impact on public health. Reduced emissions translate into fewer cases of respiratory diseases and other health issues caused by air pollution.

Global Compliance: The move to BS6 aligns India with global emission standards, making it easier for automakers to develop and market vehicles that meet international regulations.

Advancements in Lightweight Composite Materials in Mechanical Engineering



In the ever-evolving field of mechanical engineering, the quest for lighter yet stronger materials are a perpetual pursuit. This endeavour has led to significant advancements in lightweight composite materials, revolutionizing industries such as aerospace, automotive, and manufacturing. These materials combine the strength of traditional materials with the added benefits of reduced weight, making them indispensable in the modern engineering landscape.

One of the most significant advantages of lightweight composite materials is their exceptional strength-to-weight ratio. Composites are typically made by combining two or more materials with distinct properties, such as fiberglass and epoxy resin. This synergistic combination results in materials that are not only strong but also significantly lighter than their conventional counterparts like steel or aluminium. As a result, engineers can design and manufacture components that can withstand high loads while reducing overall weight, leading to improved fuel efficiency and performance in various applications.

Aerospace engineering has been a primary beneficiary of lightweight composites. Aircraft manufacturers have increasingly adopted composites in the construction of aircraft components, such as wings, fuselages, and interior structures. By using lightweight composite materials, they can reduce the weight of the aircraft, which translates into lower fuel consumption and increased

payload capacity. Additionally, these materials exhibit excellent resistance to corrosion, extending the lifespan of critical aerospace components.

The automotive industry has also embraced lightweight composites to address the ever-pressing need for fuel efficiency and emission reduction. Carbon fibre-reinforced composites, for instance, are now commonly used in the manufacturing of lightweight body panels, chassis components, and interior parts. These materials not only reduce vehicle weight but also improve overall safety by enhancing impact absorption. As electric vehicles gain prominence, the weight savings offered by composites become even more critical in extending battery range.

In the realm of manufacturing, lightweight composites are transforming the production of consumer goods, sports equipment, and even infrastructure. Tennis rackets, bicycles, and prosthetic limbs are just a few examples of products benefiting from the use of advanced composite materials. In construction, composite reinforcement bars are replacing traditional steel, offering higher strength-to-weight ratios and improved resistance to environmental factors like corrosion and rust.

The success of lightweight composite materials in mechanical engineering also stems from their versatility. Engineers have the flexibility to tailor composites to specific applications by adjusting the type and arrangement of materials and controlling the curing process. This versatility allows for the creation of materials with desired properties, such as stiffness, thermal conductivity, and electrical conductivity, making composites suitable for a wide range of applications.

Despite their numerous advantages, challenges remain in the widespread adoption of lightweight composite materials. The cost of production and recycling processes, as well as the need for specialized knowledge in working with composites, can be barriers. Nonetheless, research and development efforts continue to drive innovation in this field, seeking to overcome these challenges and unlock the full potential of lightweight composites in mechanical engineering.

Institute's Co-Curricular Activities

How to Teach, Guide and Apply Design Engineering: A Session by Prof. H. B. Tamboli

On August 19, 2023, our institute hosted a guidance session on “Design Engineering” for the faculty members of design engineering. The session was led by Prof. H. B. Tamboli, who is a certified trainer for Design Engineering (DE) by GTU. The session aimed to familiarize the faculty members with the concept and process of Design Engineering, which is a compulsory subject for all engineering branches under GTU. The session covered topics such as design thinking, problem identification, ideation, prototyping, and testing. The session also showed the use of various tools and techniques such as AEIOU, Empathy Mapping, Ideation Canvas, Product Development Canvas, etc. The session was interactive and engaging, with many examples and activities. The faculty members learned about the significance and advantages of Design Engineering for creating innovative and user-centric solutions. The session also encouraged the faculty members to join the Open Design School (ODS) initiative of GTU, which offers a platform for students to display their design projects and compete with other institutes.

The session brought together 45 brilliant faculty minds, who infused the session with diversity and a spirit of collaboration.



Glimpses of the Session

Empowering Educators: Enhancing Student Learning Through Innovative Teaching Methods

The "Empowering Educators" pedagogy session provided valuable insights and practical strategies for enhancing student learning through innovative teaching methods. By empowering educators with new skills and approaches, the session aimed to create enriching learning environments that inspire and motivate students to achieve their full potential.

"Enhancing Teaching-Learning Quality: Pedagogy Session for Faculty Members on August 5, 2023"

The institute organized a pedagogy session for faculty members from various departments on August 5, 2023. The aim was to enhance the quality of the teaching-learning process, ultimately benefiting the academic progress of students.

The objective of organizing a pedagogy session for faculty members is to enhance teaching effectiveness by introducing innovative methodologies, fostering student engagement, sharing best practices, incorporating educational technologies, and addressing common challenges, thereby ultimately improving learning outcomes and promoting continuous improvement in the quality of education delivery.

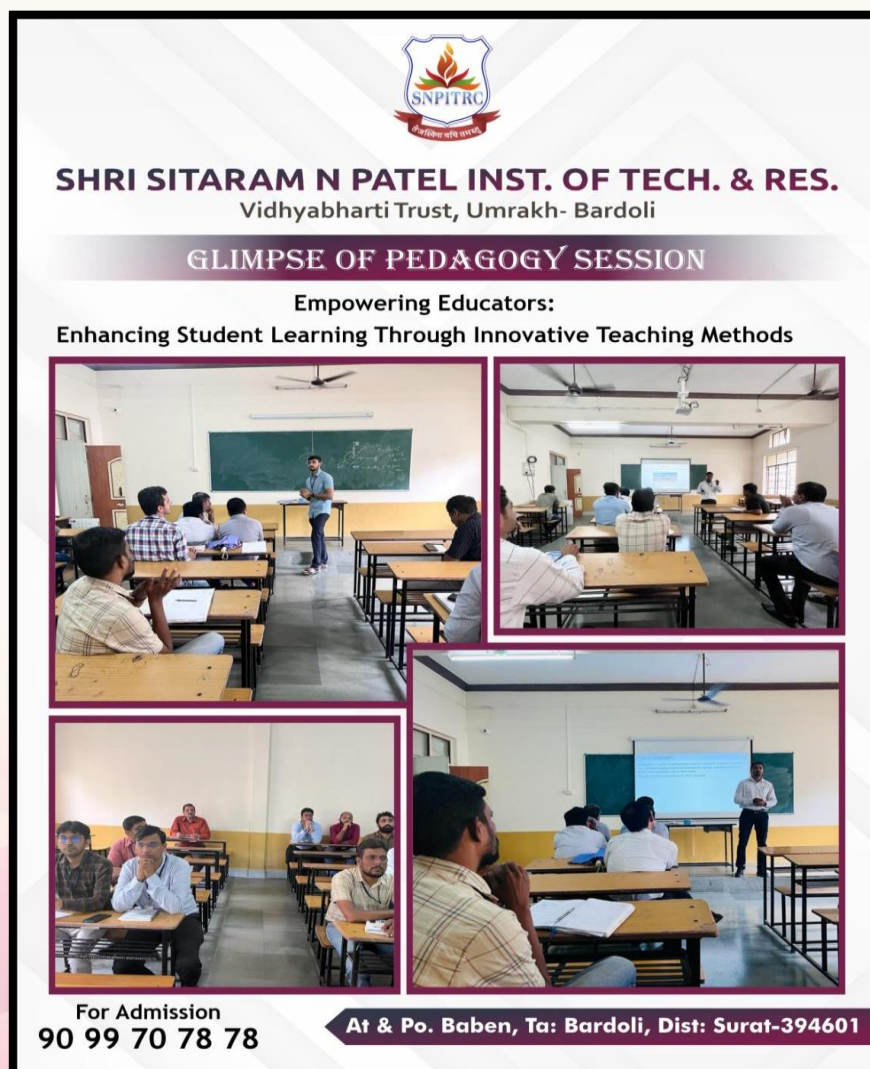


Glimpses of Pedagogy Session by Faculty Members

"Enhancing Teaching-Learning Quality: Pedagogy Session for Faculty Members on July 7, 2023"

On July 7, 2023, the institute convened a pedagogy session for faculty members across diverse departments. The primary objective was to elevate the standard of the teaching-learning process, consequently fostering academic advancement among students.

The aim of hosting a pedagogy session for faculty members is to elevate teaching efficacy through the introduction of novel methodologies, the cultivation of student involvement, the dissemination of exemplary practices, the integration of educational technologies, and the resolution of prevalent challenges. Ultimately, this initiative seeks to enhance learning outcomes and foster a culture of ongoing enhancement in educational delivery standards.



Glimpses of Pedagogy Session by Faculty Members

Massive Open Online Courses (MOOCs)

Massive Open Online Courses (MOOCs) represent a valuable supplement to traditional education, providing avenues for continuous learning and skill development. The substantial enrolment of students and faculty at the S. N. Patel Institute of Technology & Research Centre underscores a dedication to lifelong learning and the augmentation of knowledge and skills that extend beyond the conventional classroom. Since 2008, our faculty and students have been actively registering for these courses. Below is a compilation of the registration data for our students and faculty in the National Programme on Technology Enhanced Learning (NPTEL) over the past three years, presented in the following tables.

Table: NPTEL Course registered by students

Sr. No	Department	Number of Courses registered By Students
1.	Civil Engineering	88
2.	Mechanical Engineering	154
3.	Electrical Engineering	67
4.	Computer Science and Engineering	133
5.	Chemical Engineering	190
6.	Information technology	5

NPTEL Course registered by faculties

Sr. No.	Course Name	Name	Department	Certificate Type
1	Gps Surveying	Jabbar Yazad Cyrus	Civil Engineering	Elite
2	Gps Surveying	Prajapati Arunkumar Hariprasad	Civil Engineering	Successfully Completed
3	Introduction To Internet Of Things	Virang Rameshchandra Patel	E.C.	Elite+Silver
4	Introduction To Embedded System Design	Virang Rameshchandra Patel	E.C.	Elite+Silver
5	Safety In Construction	Vyas Khyati	Civil Engineering	No Certificate
6	Artificial Intelligence : Search Methods For Problem Solving	Golakiya Isha Nareshbhai	Computer Science & Engineering	Elite
7	Introduction To Composites	Hiteshkumar Sudhirkumar Jariwala	Mechanical Engineering	Elite+Gold
8	Python For Data Science	Bhaveshkumar Dalsukhbhai Patel	None	No Certificate
9	Principles Of Construction Management	Jabbar Yazad Cyrus	Civil Engineering	Successfully Completed
10	Data Mining	Bhautik Gondaliya	Computer Science & Engineering	Elite
11	Mechanical Behaviour Of Materials (Part – I)	Shakil Abdul Qayyoom Kagzi	Mechanical Engineering	Elite



Sr. No.	Course Name	Name	Department	Certificate Type
12	IC Engines And Gas Turbines	Chaudhari Savankumar Kantilal	Mechanical Engineering	No Certificate
13	IC Engines And Gas Turbines	Chetankumar Pratapbhai Patel	Mechanical Engineering	Successfully Completed
14	IC Engines And Gas Turbines	Gamit Jenishkumar	Mechanical Engineering	No Certificate
15	IC Engines And Gas Turbines	Niravkumar Mukundbhai Patel	None	No Certificate
16	IC Engines And Gas Turbines	Parth Vyas	Mechanical Engineering	No Certificate
17	Electronic Waste Management - Issues And Challenges	Dr Nisha Soni	Civil Engineering	No Certificate
18	Introduction To Civil Engineering Profession	Lalwani Honey	Civil Engineering	Elite
19	Scheduling Techniques In Projects	Darshil Shah	Civil Engineering	No Certificate
20	Expansive Soil	Neetu Yadav	Civil Engineering	No Certificate
21	Stress Management-Online	Dilipkumar Khapabhai Patel	Electrical Engineering	Successfully Completed
22	Stress Management-Online	Parmar Manishkumar Naginbhai	Electrical Engineering	Successfully Completed
23	River Engineering-Online	Lalwani Honey	Civil Engineering	No Certificate



Sr. No.	Course Name	Name	Department	Certificate Type
24	Fundamentals Of Electrical Engineering - Online	Megha S Makwana	Null	No Certificate
25	Problem Solving Through Programming In C - Online	Patel Mitu Sureshbhai	Computer Science & Engineering	No Certificate
26	Aspen Plus R Simulation Software A Basic Course For Beginners - Online	Priyank Dave	Null	No Certificate
27	Aspen Plus R Simulation Software A Basic Course For Beginners - Online	Samir I Lohiya	Chemical Engineering	Elite+Silver
28	Introduction To Research - Online	Niravkumar Mukundbhai Patel	Mechanical Engineering	Elite+Silver
29	Electrical Machines I - Online	Patel Chiragkumar Bipinbhai	Electrical Engineering	No Certificate
30	Aspen Plus R Simulation Software A Basic Course For Beginners - Online	Umaretiya Dhavalkumar Mansukhbhai	Chemical Engineering	Elite+Silver
31	Introduction To Research - Online	Vivekkumar Bipinchandra Bhagat	Mechanical Engineering	Elite
32	Thermodynamics	Chetankumar Pratapbhai Patel	Null	No Certificate
33	Electronic Waste Management - Issues And Challenges	Dr Mayuri Prajapati	Civil Engineering	Elite



Sr. No.	Course Name	Name	Department	Certificate Type
34	Electronic Waste Management - Issues And Challenges	Dr Nisha Soni	Civil Engineering	Elite+Silver
35	Construction Methods And Equipment Management	Vadodia Mayank Shashikant	Civil Engineering	No Certificate
36	Construction Methods And Equipment Management	Neetu Yadav	Civil Engineering	No Certificate
37	Construction Methods And Equipment Management	Malaviya Niket Nareshbhai	Civil Engineering	Elite
38	Python For Data Science	Rutal Sharadbhai Mahajan	Computer Science & Engineering	Elite
39	Multivariable Calculus	Dr Mansiben Nejal Zaveri	Mathematics	No Certificate
40	Machining Science	Shakil Abdul Qayyoom Kagzi	Mechanical Engineering	Elite+Silver
41	Machining Science	Vatsalkumar Bipinchandra Maisuriya	Mechanical Engineering	No Certificate
42	Water Supply Engineering	Bankim	Civil Engineering	Successfully Completed
43	Principles Of Management	Hardik Anilkumar Patel		No Certificate
44	Computer Integrated Manufacturing	Rana Nileshkumar Vinodchandra	Mechanical Engineering	Elite
45	Introduction To Civil Engineering Profession	Neetu Yadav	Civil Engineering	Elite



Sr. No.	Course Name	Name	Department	Certificate Type
46	Introduction To Civil Engineering Profession	Sarika G Javiya	Civil Engineering	Elite+Silver
47	Introduction To Civil Engineering Profession	Zalak Pankaj Shah	Civil Engineering	No Certificate
48	Network Analysis	Nikunj N Chaudhari	Electrical Engineering	No Certificate
49	Network Analysis	Samarth Maheshkumar Gemlawala	Electrical Engineering	Elite+Silver
50	Mechanical Operation	Darshan Sarang	Chemical Engineering	No Certificate
51	Principles Of Metal Forming Technology	Shakil Abdul Qayyoom Kagzi		Elite+Gold
52	Refrigeration And Air-Conditioning	Chaudhari Chirag Natubhai	Mechanical Engineering	Elite
53	Operations Research	Piyush Bhagavanbhai Savaj	Mechanical Engineering	No Certificate
54	Refrigeration And Air-Conditioning	Tamboli Hirenkumar Bhupendrabhai	Mechanical Engineering	Elite+Silver
55	Customer Relationship Management	Vikasbhai Chandrakantbhai Prajapati	Business Administration	Elite+Silver
56	Project Planning & Control	Neetu Yadav	Civil Engineering	No Certificate
57	Technologies For Clean And Renewable Energy Production	Priyank Dave	Mechanical Engineering	Elite+Silver



Sr. No.	Course Name	Name	Department	Certificate Type
58	Project Planning & Control	Sarika G Javiya	Civil Engineering	Elite
59	River Engineering	Bankim	Civil Engineering	No Certificate
60	Fluid Machines	Patel Rinkeshkumar Balvantbhai		Elite+Silver
61	Earthquake Resistant Design Of Foundations	Solanki Nikunj Ashok Bhai	Null	No Certificate
62	Engineering Drawing And Computer Graphics	Vishal Dhimmar	Mechanical Engineering	Elite
63	Deep Learning	Rutal Sharadbhai Mahajan	Computer Science & Engineering	No Certificate
64	The Joy Of Computing Using Python	Md Salman R Bombaywala	E.C.	Elite+Silver
65	The Joy Of Computing Using Python	Samarth Maheshkumar Gemlawala	Electrical Engineering	Elite+Gold
66	Power System Analysis	Achal B Mistry		Elite
67	Introduction To Composites	Piyush Shantiswaroop Jain	Mechanical Engineering	Elite+Silver
68	Integrated Waste Management For A Smart City	Neetu Yadav	Civil Engineering	No Certificate
69	Fundamentals Of Manufacturing Processes	Milan R Patel	Mechanical Engineering	Elite



Sr. No.	Course Name	Name	Department	Certificate Type
70	Theory Of Computation	Viralkumar Hasmukhbhai Panchal	Computer Science & Engineering	Elite
71	C Programming And Assembly Language	Virang Rameshchandra Patel	E.C.	No Certificate
72	Energy Conservation And Waste Heat Recovery - Online	Tailor Hitesh A	Mechanical Engineering	No Certificate
73	Energy Conservation And Waste Heat Recovery - Online	Dave Priyankbhai Pinakin	Mechanical Engineering	No Certificate
74	Numerical Methods - Online	Jinal Maheshchandra Naik	Mathematics	Elite
75	Programming In Java - Online	Bhavesh Patel	Computer Science & Engineering	Elite+Silver
76	Numerical Methods - Online	Priti Dineshbhai Suthar	Mathematics	Successfully Completed
77	Chemical Engineering Thermodynamics - Online	Paritosh Agnihotri	Chemical Engineering	No Certificate
78	Fundamentals Of Manufacturing Processes - Online	Gavit Tejal Ajit	Mechanical Engineering	Successfully Completed
79	Fundamentals Of Manufacturing Processes - Online	Hitenkumar Jitendrabhai Mistry	Mechanical Engineering	Successfully Completed
80	Power System Analysis - Online	Janakkumar Bhikhubhai Patel	Electrical Engineering	Elite



Sr. No.	Course Name	Name	Department	Certificate Type
81	Power System Analysis - Online	Mistry Achalkumar Bhulabhai	Electrical Engineering	Elite
82	Electrical Machines I - Online	Pratap Kishore Chaini	Electrical Engineering	Elite+Silver
83	Manufacturing Of Composites - Online	Piyush Shantiswaroop Jain	Mechanical Engineering	Elite+Silver
84	Introduction To Internet Of Things - Online	Bhavesh Patel	Computer Science & Engineering	Elite

Institute's Extra-Curricular Activities

Youth Dialogue on Health, Wellness and Sports

As part of the Y20 programme, a special initiative for the youth by the Government of India in preparation for the G20 Summit, our Institute hosted the 'Gujarat Samvad' dialogue on May 5, 2023. The event, organised by the Swami Vivekananda Gujarat State Youth Board, aimed to inspire and motivate young minds to shape the future. The dialogue focused on the role of health, wellness, and sports in enhancing the physical, mental, and social well-being of the youth. The students actively participated in the discussions and interacted with the distinguished guests and speakers, who shared their valuable insights and experiences.



Gujarat Samvad Dialogue: Inspiring Youth for the Future

Akhil Bhartiya Shiksha Samagam 2023: Celebrating NEP 2020's Vision and Challenges

The National Education Policy 2020 (NEP 2020) aims to transform the education system in India and make it more holistic, inclusive, and learner-centric. To commemorate the third anniversary of NEP 2020 and to showcase its achievements and challenges, the Ministry of Education is organizing the second edition of Akhil Bhartiya Shiksha Samagam (ABSS) 2023 on July 29-30, 2023, at Pragati Maidan, New Delhi. The ABSS 2023 will be inaugurated by the Hon'ble Prime Minister and will feature various thematic sessions, exhibitions, cultural programs, and MoUs on different aspects of NEP 2020. The ABSS 2023 will also provide a platform for stakeholders, experts, and practitioners to share their experiences, best practices, and suggestions for the effective implementation of NEP 2020. The ABSS 2023 is expected to be a grand celebration of the vision and spirit of NEP 2020 and its contribution to the development of India's human capital.



Akhil Bhartiya Shiksha Samagam (ABSS) 2023: Celebrating the Vision of NEP 2020

Independence Day Celebration

Our institute celebrated the 77th Indian Independence Day with great enthusiasm and patriotism on August 15, 2023. The event was graced by the presence of our esteemed guests and dignitaries, who hoisted the national flag and delivered inspiring speeches. The students and faculty members showcased their talents and cultural diversity through various performances, such as songs, dances, skits, and poems. The event also included quiz competitions on the history and achievements of our nation, as well as speeches by eminent personalities who shared their views and insights on the current issues and challenges faced by India. The event concluded with a pledge to uphold the values and ideals of our constitution and contribute to the development and progress of our nation. The event was a memorable and proud occasion for our institute, as we saluted the heroes and martyrs who sacrificed their lives for our independence. Jai Hind!



Celebration of 77th Indian Independence Day

A Memorable Day: Recap of the Freshers Party

We would like to take a moment to reflect on the incredible evening we shared at the Freshers Party on August 25, 2023. It was a day filled with laughter, connections, and memories that will undoubtedly stay with us throughout our time together. Here's to a year filled with growth, learning, and unforgettable experiences. 2023-batch, welcome to the Snpitrc Umrakh family! We extend our heartfelt congratulations to the winners of the Mr. and Mrs. Freshers competition, held at our Freshers Party. This exciting event showcased the incredible talent and charisma of our newly admitted students, making it a day to remember for everyone present. Let's continue to support and uplift each other as we navigate the exciting chapters that lie ahead for the batch of 2023.



Freshers Party Celebration

Janmashtami Celebration

Janmashtami, the birth anniversary of Lord Krishna, was celebrated with great fervor and devotion at our institute on September 6, 2023. The campus was decorated with flowers, lights, and rangolis, and the idol of Lord Krishna was installed with great reverence. The celebrations began with the chanting of Vedic hymns and Hindu texts, followed by aarti and prasad distribution. The students and staff participated in various cultural programs, including singing bhajans, performing skits, and reciting poems. The highlight of the event was the “Matki fod” competition, where students formed human pyramids to break the earthen pot filled with curd and butter, a tradition that symbolizes the playful nature of Lord Krishna. It was a joyous occasion that brought together the entire institute community in celebration of the divine birth of Lord Krishna.



Glimpses of Janmashtami Celebration

Ganesh Chaturthi celebration

On the day of Ganesh Chaturthi, we performed the sthapna of Ganpati Bapa in our campus on September 18, 2023. All the staff and students celebrated the holy day and decorated the idol with flowers, lights, and ornaments. Additionally, we gathered to celebrate Ganesh Chaturthi with an Aarti Thali and a Ganesh Murti making competition that showcased incredible creativity and skill. After careful deliberation by our esteemed panel of judges, we are proud to congratulate and felicitate the winners.



Glimpses of Ganesh chaturti celebration

Navratri Utsav

We are thrilled to announce the successful completion of the VBT Navratri Utsav 2023, an evening filled with cultural richness and vibrant festivities. The celebration, held on 23rd October 2023, commenced with a soul-stirring Maa Aradhna, invoking blessings for a night of unity and joy. During the event, we had the privilege of honouring the exceptional talents within our college community. The winners of various categories, including Best Khalaiya, Best Costume, and more, were felicitated for their creativity and dedication. Each winner showcased remarkable skills, adding to the colorful tapestry of our Navratri celebrations.

The night concluded with an energetic DJ session, where everyone came together to dance, laugh, and revel in the spirit of Navratri. The lively beats echoed the enthusiasm and camaraderie of our college family.

We extend our heartfelt gratitude to everyone who participated. Your enthusiasm and active involvement made this event a resounding triumph, fostering a sense of togetherness and cultural pride.



Glimpses of Navratri 2023 Utsav

Promoting National Unity through 'Run for Unity' Program

We stand here today (31/10/2023) on the proud occasion of National Unity Day, commemorating the birth anniversary of the Iron Man of India, Sardar Vallabhbhai Patel. It is indeed a momentous day, for it symbolizes the strength that lies in our unity as a nation. Today, we are not just celebrating the life of a great leader, but also honouring the idea of a united India that he tirelessly worked for.



Glimpses of the Run for unity from SNPIT to Baben Lake Shri Sardar Patel's statue

NSS Unit Spreads Joy Through "Joy of Giving" Program

The NSS unit of S N Patel Institute of Technology & Research Centre, UmraKH, organized a heart-warming event titled "Joy of Giving" on November 2, 2023. The program aimed to bring joy to the lives of the less fortunate by collecting and distributing old clothes donated by the faculties, students, and all members of the institution.

In the spirit of altruism, the NSS unit encouraged participants to contribute to the community by donating their gently used clothes. The response was overwhelming, with faculties, students, and members enthusiastically participating in this noble cause. Their generosity and kindness shone brightly as they donated their old clothes, understanding the impact their donations could have on those in need.

The collected clothes were carefully sorted and prepared for distribution to the underprivileged members of society. The NSS unit, with unwavering dedication, took these clothes to various needy communities and distributed them among individuals and families who could benefit from this act of kindness.

The "Joy of Giving" program not only provided material support but also spread smiles and warmth among the recipients. It showcased the compassion and community spirit that defines the S N Patel Institute of Technology & Research Centre.

The NSS unit extends heartfelt gratitude to all the participants for their generosity and support. Such initiatives exemplify the institution's commitment to social welfare and community development, fostering a sense of responsibility and empathy among its members.



NSS Unit Spreads Joy Through 'Joy of Giving' Program: Sharing Smiles

75th Republic Day Celebrations

The vibrant quadrangle pulsed with patriotic fervour as S. N. Patel Institute of Technology and Research Centre, Umrakh celebrated the 75th Republic Day on January 26, 2024. A colossal Indian flag fluttered proudly against the azure sky, hoisted by the Principal and Trust members amidst thunderous applause. Student engineers presented a kaleidoscope of cultural performances, from stirring renditions of patriotic songs,



Glimpses of 75th (26/01/2024) Republic Day Celebration

Sports Week 2024 Celebration



Glimpses of Sports Week Celebration

Welcome to the exhilarating celebration of athleticism and sportsmanship during our annual Sports Week from 16th March to 20th March, 2024! Each year, our institutes come alive with the spirit of competition, teamwork, and healthy rivalry as we organize a week-long extravaganza dedicated to promoting physical fitness and fostering a sense of camaraderie among our students.

Sports Week is a much-anticipated event that transcends the boundaries of the classroom, offering students an opportunity to showcase their sporting prowess, engage in friendly competition, and embrace the values of discipline, teamwork, and resilience.

The week is packed with a diverse array of sporting events, ranging from track and field to team sports, ensuring there's something for every sports enthusiast. Whether it's the adrenaline-

pumping sprints on the track, the strategic battles on the field, or the precision of indoor sports, Sports Week caters to a wide spectrum of interests.

The underlying ethos of Sports Week goes beyond winning and losing; it's about participation, pushing boundaries, and discovering the joy of physical activity. Students not only compete for glory but also learn valuable life skills such as sportsmanship, perseverance, and the importance of a healthy lifestyle.

Our dedicated team of organizers ensures that the event runs smoothly, creating an inclusive and vibrant atmosphere that encourages students to embrace the joy of sports. From the opening ceremony that ignites the competitive spirit to the closing ceremony that celebrates achievements and memories, Sports Week is a journey of shared experiences and unforgettable moments.

As participants engage in friendly competition, they also form lasting bonds, forging friendships that extend beyond the sports field. The cheers of teammates, the encouragement from fellow competitors, and the support from the audience create an electric atmosphere, turning the campus into a hub of energy and excitement.

Sports Week isn't just about showcasing athletic talent; it's about promoting a holistic approach to education that values physical well-being alongside academic achievement. The event underscores our commitment to nurturing well-rounded individuals who understand the importance of balance in their lives.

Days Celebration



Glimpses of Days Celebration

Welcome to the exhilarating celebration of days from 16th March to 20th March, 2024! Each year, we embark on a journey of diversity and inclusivity through our meticulously planned Different Days Celebration. This series of events is designed to bring together students, faculty, and staff to revel in the rich mosaic of cultures, traditions, and special occasions that define our diverse community.

Our Different Days Celebration is a dynamic calendar that spans various festivities, cultural observances, and themed events, creating a lively and engaging atmosphere on campus. It serves as a testament to our commitment to fostering an inclusive and harmonious environment that celebrates the uniqueness of each individual.

Our Different Days Celebration is more than just a series of events; it is a reflection of our commitment to promoting cultural awareness, unity, and a sense of belonging. It encourages open dialogue, facilitates cross-cultural interactions, and creates an environment where everyone feels valued and respected.

VBT Unity 2024: Celebrating Talent and Collective Excellence

Our institute recently hosted the grand spectacle of VBT (Vidyabharti Trust) Unity 2024 on 09/02/2024, an annual function meticulously designed to provide a platform for both students and faculty to shine. The event unfolded as a vibrant celebration of talent, offering individuals a stage to showcase their unique skills. Amidst the jubilant atmosphere, academic achievements took center stage, garnering recognition and applause for the dedication and hard work of our esteemed students and faculties.



Glimpses of Annual Function VBT unity 2024

The festivities featured a diverse array of performances, ranging from captivating musical acts to mesmerizing dance routines. Each contribution wove into a rich tapestry of talent on display. Awards were bestowed upon deserving individuals, acknowledging not only their academic prowess but also their significant contributions to the vibrant spirit of our academic community.

As the curtains closed on VBT Unity 2024, a palpable sense of pride and accomplishment permeated the air. The event stood as a testament to the collective excellence within the VBT campus institutes, fostering a culture that values and nurtures both academic and artistic achievements. Anticipation now builds for future editions of VBT Unity, continuing this cherished tradition of celebrating the multifaceted talent that defines our academic community.

Promoting National Integration: SNPIT & RC NSS Unit's Journey at the NIC Camp

The Sitarambhai Naranji Patel Institute of Technology and Research Center (SNPIT & RC), has been actively running a National Service Scheme (NSS) unit for the past ten years. The primary objective of this unit is to promote holistic development among students, emphasizing the importance of serving society and the nation through selfless service. In alignment with this objective, the Indian government's NSS unit organized a National Integration Camp (NIC) in Mangalore from 12/02/2024 to 18/02/2024.

The NIC is a seven-day camp held annually by the NSS. The camp is designed to teach cadets how to live in a community through cultural activities like quizzes, skits, and dances. It also aims to help bridge cultural and religious gaps between different states of India.

A total of 150 students from five states participated in the camp, including 10 students from Gujarat Technical University and two students from SNPIT&RC, namely Mr. Riken R. Prajapati and Mr. Nitesh H. Yadav. They joined the camp, focusing on training related to serving the nation and society.

The training received during the camp emphasized the principles of social and national service.



Participation of SNPIT & RC Students in National Integration Camp (NIC) 2024

International Women's Day Celebration

On March 3, 2024, we dedicate a day to honour and celebrate the achievements, contributions, and resilience of women globally. This event is a manifestation of our commitment to recognizing and uplifting the diverse voices and talents of women within our community and beyond.

We take pride in showcasing the achievements of women who have made significant strides in diverse fields. By highlighting these stories, we aim to inspire the next generation of leaders and change-makers, fostering an environment where women feel supported and empowered to pursue their goals.

Our institute is dedicated to creating a community that values diversity and inclusivity. As we come together to celebrate International Women's Day, we acknowledge the importance of collective efforts in creating a world where every woman has the opportunity to thrive and reach her full potential.



Glimpses of International Women's Day Celebration

Technokruti 2K24



Glimpses of Technokruti 2K24

Technokruti, our institute's highly anticipated national-level technical festival, unfolded on April 5th and 6th, 2024, promising a vibrant showcase of extraordinary talent from our own students and those from various colleges across the nation. This dynamic event served as a melting pot of creativity, innovation, and technical prowess, providing a unique platform for students to shine and exchange ideas.

To ensure the success of Technokruti, we have strategically promoted the event through multiple channels, including social media, posters, emails, and campus announcements. Collaborations with other colleges have been established to maximize participation and create a truly inclusive and diverse atmosphere.

Feedback from participants, volunteers, and attendees is highly valued, as it provides valuable insights for future editions of Technokruti. We have established a robust feedback mechanism to capture the highs and lows of the event, ensuring continuous improvement.

In organizing Technokruti, our institute is not only providing a stage for students to showcase their talents but also contributing to the growth of a vibrant and interconnected technical community. We wish all participants a memorable and enriching experience at Technokruti 2K24!

SHRI SITARAM N PATEL INST. OF TECH. & RES. (SNPIT)

(શ્રી સીતારામભાઈ નારણજી પટેલ ડિગ્રી ઇજનેરી કોલેજ)



www.snplitrc.ac.in



Training & Placement

(શ્રી સીતારામભાઈ નારણજી પટેલ ડિગ્રી ઇજનેરી કોલેજ)

At & Po Baben, Ta: Bardoli, Dist: Surat-394601
For Admission:

90 99 70 78 78

Placement and Higher Studies Data of the Institute for the last year graduates

The mission of an engineering institute includes the pivotal elements of placement and higher studies, which collectively prepare students for successful careers while also contributing to knowledge creation and innovation. A holistic approach that addresses both aspects is essential for the comprehensive development of students and the long-term success of the institute. To underscore this commitment, the following table provides placement and higher studies data for the institute's most recent graduates.

Placement and Higher Studies Data of the Institute for the last year graduates (2023 graduation)

Sr. No.	Student Name	Discipline	Placement/ Higher Study	On Campus/ Off Campus	Name of the Employer
1	Devang Kyada	Chemical	Placement	On Campus	Vgrown Tech Pvt. Ltd., Surat
2	Smit R. Lad	Chemical	Placement	On Campus	Macleods Pharmaceuticals Ltd.
3	Aafrid I.Metar	Chemical	Placement	On Campus	Macleods Pharmaceuticals Ltd.
4	Parekh Mihir Vinesh	Chemical	Placement	On Campus	Vgrown Tech Pvt. Ltd., Surat
5	Parmar Hardikkumar Jigneshbhai	Chemical	Placement	On Campus	Vgrown Tech Pvt. Ltd., Surat
6	Raj C. Parmar	Chemical	Placement	On Campus	Macleods Pharmaceuticals Ltd., Sarigam
7	Fenilkumar J. Patel	Chemical	Placement	Off Campus	Innovsource Services Private Limited
8	Patel Jimikumar Laxmanbhai	Chemical	Placement	On Campus	Vgrown Tech Pvt. Ltd., Surat
9	Milankumar Dhansukhbhai Patel	Chemical	Placement	On Campus	Vgrown Tech Pvt. Ltd., Surat
10	Monik R. Patel	Chemical	Placement	On Campus	Macleods Pharmaceuticals Ltd., Sarigam
11	Ronitkumar P. Patel	Chemical	Placement	On Campus	Macleods Pharmaceuticals Ltd., Sarigam
12	Vartik R. Patel	Chemical	Placement	On Campus	Vgrown Tech Pvt. Ltd., Surat
13	Patel Yash Kumar Subhashbhai	Chemical	Placement	On Campus	Vgrown Tech Pvt. Ltd., Surat



Sr. No.	Student Name	Discipline	Placement/ Higher Study	On Campus/ Off Campus	Name of the Employer
14	Patil Swapnil Vijaybhai	Chemical	Placement	On Campus	Vgrown Tech Pvt. Ltd., Surat
15	Akash Pradhan	Chemical	Placement	On Campus	Vgrown Tech Pvt. Ltd., Surat
16	Aakash Prajapati	Chemical	Placement	On Campus	Vgrown Tech Pvt. Ltd., Surat
17	Bhavik A. Prajapati	Chemical	Placement	On Campus	Macleods Pharmaceuticals Ltd.
18	Harshit P. Rohit	Chemical	Placement	Off Campus	Hi-Tech Inks Pvt.. Ltd.
19	Vikash V. Shah	Chemical	Placement	On Campus	Macleods Pharmaceuticals Ltd.
20	Shirsath Jigneshkumar D.	Chemical	Placement	On Campus	Vgrown Tech Pvt. Ltd., Surat
21	Tarsadiya Rutviksinh Gulabsinh	Chemical	Placement	On Campus	Vgrown Tech Pvt. Ltd., Surat
22	Trivedi Pranavkumar Vasantbhai	Chemical	Placement	On Campus	Vgrown Tech Pvt. Ltd., Surat
23	Kishor K. Vasava	Chemical	Placement	On Campus	Hle Glascoat, Maroli
24	Yosefbhai H. Vasava	Chemical	Placement	On Campus	Hle Glascoat, Maroli
25	Rai Rupesh Rajesh	Chemical	Placement	On Campus	Vgrown Tech Pvt. Ltd., Surat
26	Krutarth V. Rana	Chemical	Placement	On Campus	Macleods Pharmaceuticals Ltd., Sarigam
27	Chauhan Smitkumar Sanmukhbhai	Civil	Placement	Off Campus	Ultratech Cement Limited, Mandvi
28	Choudhari Divyaben Sureshbhai	Civil	Placement	Off Campus	Contour Consulting Engineers, Bardoli
29	Bhoi Ganesh Dilipbhai	Civil	Higher Study	Off Campus	The Msu, Vadodara
30	Chaudhari Harshbhai Rohitbhai	Civil	Higher Study	Off Campus	Monark University, Ahmedabad
31	Chaudhari Manubhai Ramjibhai	Civil	Higher Study	Off Campus	Monark University, Ahmedabad
32	Chaudhari Monil Devendrabhai	Civil	Higher Study	Off Campus	Canadore University, Canada



Sr. No.	Student Name	Discipline	Placement/ Higher Study	On Campus/ Off Campus	Name of the Employer
33	Chaudhari Roshankumar Shaileshbhai	Civil	Higher Study	Off Campus	Monark University, Ahmedabad
34	Chaudhari Yashkumar Mukeshbhai	Civil	Higher Study	Off Campus	Monark University, Ahmedabad
35	Deshmukh Pankajbhai Gangabhai	Civil	Higher Study	Off Campus	Monark University, Ahmedabad
36	Gamit Ayushkumar Miramjibhai	Civil	Higher Study	Off Campus	Monark University, Ahmedabad
37	Gamit Jayaben Mukeshbhai	Civil	Higher Study	Off Campus	Shantilal Shah Engineering College, Bhavnagar (Gtu)
38	Gamit Kiranbhai Rakeshbhai	Civil	Higher Study	Off Campus	Sakarchand Patel University, Visnagar
39	Gamit Safiraben Eiteshbhai	Civil	Higher Study	Off Campus	Government Engineering College, Dahod (Gtu)
40	Gamit Snehalbhai Dineshbhai	Civil	Higher Study	Off Campus	Monark University, Ahmedabad
41	Gamit Urvashiben Manishbhai	Civil	Higher Study	Off Campus	Sakarchand Patel University, Visnagar
42	Gamit Zinalben Umedbhai	Civil	Higher Study	Off Campus	Sakarchand Patel University, Visnagar
43	Gayakvad Vimalbhai Ramanbhai	Civil	Higher Study	Off Campus	Monark University, Ahmedabad
44	Konkani Nitakumari Shantilalbhai	Civil	Higher Study	Off Campus	Monark University, Ahmedabad
45	Patel Diya Ajaybhai	Civil	Higher Study	Off Campus	The Msu, Vadodara
46	Vasava Sudarshankumar Jamshibhai	Civil	Higher Study	Off Campus	Monark University, Ahmedabad
47	Verma Krushnakant Rajesh	Civil	Higher Study	Off Campus	University Of Windsor, Canada
48	Chaudhari Abhaykumar Vinodbhai	Civil	Higher Study	Off Campus	Monark University, Ahmedabad



Sr. No.	Student Name	Discipline	Placement/ Higher Study	On Campus/ Off Campus	Name of the Employer
49	Dhodia Mohit Mukeshbhai	Civil	Higher Study	Off Campus	Monark University, Ahmedabad
50	Patel Riddhi Sunilbhai	Civil	Higher Study	Off Campus	Monark University, Ahmedabad
51	Patel Vruttiben Ishwarbhai	Electrical	Placement	Off Campus	Velox Automation Ltd.,Surat
52	Rathod Fenilkumar Shantilal	Electrical	Placement	Off Campus	Getco
53	Chaudhari Payalkumari Jigneshbhai	Electrical	Placement	Off Campus	Meinhardt,Surat
54	Dahake Abhishek Chandrashekhar	Electrical	Placement	Off Campus	Meinhardt,Surat
55	Karan Ravindra Salunke	Electrical	Placement	On Campus	Vgrown ,Surat
56	Zinzala Hardik Ghusabhai	Electrical	Placement	On Campus	Vgrown ,Surat
57	Gamit Akshaykumar Prakashbhai	Electrical	Placement	On Campus	Vgrown ,Surat
58	Gamit Pragneshbhai Vinabhai	Electrical	Placement	On Campus	Vgrown ,Surat
59	Rohit Dharamdas Vasava	Electrical	Placement	On Campus	Vgrown ,Surat
60	Rahulkumar BIPINBHAI	Electrical	Placement	On Campus	Vgrown ,Surat
61	Patel Pravin Umeshchandra	Electrical	Placement	On Campus	Vgrown ,Surat
62	Yashkumar Mukeshbhai Parmar	Electrical	Placement	On Campus	Vgrown ,Surat
63	Nevil Panchal	Electrical	Placement	On Campus	Vgrown ,Surat
64	Parekh Jay Chiragbhai	Electrical	Placement	On Campus	Vgrown ,Surat
65	Pratikkumar Bharatbhai Gamit	Electrical	Placement	On Campus	Vgrown ,Surat
66	Rathod Jigneshbhai Dineshbhai	Electrical	Placement	On Campus	Vgrown ,Surat



Sr. No.	Student Name	Discipline	Placement/ Higher Study	On Campus/ Off Campus	Name of the Employer
67	Chaudhari Piyushbhai Dilipbhai	Electrical	Placement	On Campus	Vgrown ,Surat
68	Abhishek Chaudhari	Electrical	Placement	On Campus	Vgrown ,Surat
69	Taliya Sarthik Jayesh Kumar	Electrical	Placement	On Campus	Vgrown ,Surat
70	Rathod Hiteshbhai Mukeshbhai	Electrical	Placement	On Campus	Vgrown ,Surat
71	Chaudhari Rohit Kumar Rakeshbhai	Electrical	Placement	On Campus	Vgrown ,Surat
72	Valvi Hemantbhai Kurvanbhai	Electrical	Placement	On Campus	Vgrown ,Surat
73	Gamit Swapnilkumar	Electrical	Placement	On Campus	Vgrown ,Surat
74	Parmar Pinkesh Naginbhai	Electrical	Placement	On Campus	Vgrown ,Surat
75	Rathod Badal Mahendrabhai	Electrical	Placement	On Campus	Vgrown ,Surat
76	Lad Harsh S.	Electrical	Placement	On Campus	Vgrown ,Surat
77	Gamit Pinkesh P.	Electrical	Placement	On Campus	Vgrown ,Surat
78	Gamit Shreyashkumar Shaileshbhai	Electrical	Placement	On Campus	Rayzon Solar, Surat
79	Chaudhari Hetalkumari Vinodbhai	Electrical	Placement	On Campus	Rayzon Solar, Surat
80	Padhi Somanath Nilanchal	Electrical	Placement	On Campus	Sarra Gem,Surat
81	Ganvit Tejashkumar Jeshingbhai	Electrical	Placement	On Campus	Sarra Gem,Surat
82	Akabote Krunal Milindra	Electrical	Placement	Off Campus	Torrent Power ,Surat
83	Lad Daival Deepakkumar	Electrical	Higher Study	Off Campus	New York Inst. Of Tech., Canada
84	Patel Alka Dilip	Electrical	Higher Study	Off Campus	Mgiter,Navsari
85	Yadav Pooja Mahendra	Electrical	Higher Study	Off Campus	Vgec,Chankheda



Sr. No.	Student Name	Discipline	Placement/ Higher Study	On Campus/ Off Campus	Name of the Employer
86	Tandel Premkumar Manojbhai	Electrical	Higher Study	Off Campus	The Geat Estern Shipping Company,Lonavala
87	Patel Krupaliben Dilipbhai	Electrical	Higher Study	Off Campus	Monark University,Vahelal,Naroda
88	Rathod Nitaben Sitarambhai	Electrical	Higher Study	Off Campus	Monark University,Vahelal,Naroda
89	Gamit Jinalkumari Dharmeshbhai	Electrical	Higher Study	Off Campus	Utu,Bardoli
90	Gayakwad Sarojben Meravanbhai	Electrical	Higher Study	Off Campus	Monark University,Vahelal,Naroda
91	Vasava Jetalben Kanthadsing	Electrical	Higher Study	Off Campus	Monark University,Vahelal,Naroda
92	Chaitanya Dilipbhai Chaudhari	Mechanical	Placement	On Campus	Rayzon Solar Energy, Kim.
93	Bhautik Jorubhai Khasiya	Mechanical	Placement	On Campus	Rayzon Solar Energy, Kim.
94	Pranav Prakashbhai Patel	Mechanical	Placement	On Campus	Rayzon Solar Energy, Kim.
95	Abhishek Anojbhai Singh	Mechanical	Placement	On Campus	Rayzon Solar Energy, Kim.
96	Vyas Parth Jitendra	Mechanical	Placement	Off Campus	Jak Machinery, Surat
97	Majithiya Meet Pratapbhai	Mechanical	Placement	Off Campus	Technorail- Maruti Architectural Products Pvt Ltd, Ena, Palsana
98	Patel Yuvraj Kishorbhai	Mechanical	Placement	Off Campus	Meinhardt Group, Bangalore
99	Patil Vipul Narayan	Mechanical	Placement	Off Campus	Meinhardt Group, Bangalore
100	Jay Tailor	Mechanical	Placement	On Campus	Vgrown Tech Pvt. Ltd.,Surat
101	Sharma Ashish Ramratan	Mechanical	Placement	On Campus	Vgrown Tech Pvt. Ltd.,Surat
102	Akshat Singh	Mechanical	Placement	On Campus	Vgrown Tech Pvt. Ltd.,Surat
103	Dhruv D Chaudhari	Mechanical	Placement	On Campus	Vgrown Tech Pvt. Ltd.,Surat



Sr. No.	Student Name	Discipline	Placement/ Higher Study	On Campus/ Off Campus	Name of the Employer
104	Chaudhari Kuldipbhai Mohanbhai	Mechanical	Placement	On Campus	Vgrown Tech Pvt. Ltd.,Surat
105	Patel Harshadbhai Pramodbhai	Mechanical	Placement	On Campus	Vgrown Tech Pvt. Ltd.,Surat
106	Chevli Yash Kamleshkumar	Mechanical	Placement	On Campus	Vgrown Tech Pvt. Ltd.,Surat
107	Meet Vijaybhai Makwana	Mechanical	Placement	On Campus	Vgrown Tech Pvt. Ltd.,Surat
108	Bhatt Pujan Tushar	CSE	Placement	On Campus	Advancedware Technologies Private Limited.
109	Chelumalla Tarunkumar	CSE	Placement	On Campus	Advancedware Technologies Private Limited.
110	Chourasiya Rohit Rambhagat	CSE	Placement	Off Campus	Differenz System Pvt Ltd
111	Gamit Roshanbhai Vajesingbhai	CSE	Placement	On Campus	Matlabinfotech
112	Golakiya Isha Nareshbhai	CSE	Placement	Off Campus	Solvin Infotech
113	Gondaliya Bhautik Rameshbhai	CSE	Placement	Off Campus	Earth Infosoft
114	Kumavat Pankaj Madanlal	CSE	Placement	Off Campus	Tcs
115	Maisuria Vatsal Kishorkumar	CSE	Placement	Off Campus	Anextech
116	Mehta Ridham Mayank	CSE	Placement	Off Campus	Alphabi
117	Modi Manav Amit	CSE	Placement	Off Campus	Logic Square Infotech
118	Pandya Maulik Nikhilbhai	CSE	Placement	On Campus	Bigsal
119	Gandhi Ayushi Hemantkumar	CSE	Placement	Off Campus	Leaf Drive
120	Patel Dev Rajeshbhai	CSE	Placement	Off Campus	Potent Global Solutions
121	Patel Jay Narendre Bhai	CSE	Placement	Off Campus	Potent Global Solutions
122	Patel Khushi Sanjaykumar	CSE	Placement	Off Campus	Potent Global Solutions

Sr. No.	Student Name	Discipline	Placement/ Higher Study	On Campus/ Off Campus	Name of the Employer
123	Prajapati Yashkumar Alpeshkumar	CSE	Placement	Off Campus	Potent Global Solutions
124	Shah Preksha Maheshkumar	CSE	Placement	On Campus	Bigscal
125	Shinglot Devanshu Ashishkumar	CSE	Placement	On Campus	Bigscal
126	Thavrani Nikita Subhash	CSE	Placement	Off Campus	Solvin Infotech
127	Kanani Darshan Rajeshbhai	CSE	Placement	Off Campus	Encode Work
128	Nisarg Kaushik Chasmawala	CSE	Placement	Off Campus	Potent Global Solutions
129	Gamit Janviben Shankarbhai	CSE	Placement	Off Campus	Valuer Fabtex Pvt Ltd
130	Mistry Heemaben Sanjaybhai	CSE	Placement	Off Campus	NGPP,Isroli-Afwa
131	Patil Anjali Rajendrabhai	CSE	Placement	Off Campus	Potent Global Solutions
132	Dhimar Dhavalkumar Vinod Bhai	CSE	Placement	Off Campus	Potent Global Solutions

Since the institute's inception in 2008, with its first batch of students graduating in 2012, students have consistently pursued higher studies and secured placements in well-regarded companies. This commitment to academic and career advancement extends beyond just the most recent graduating year. The subsequent table presents a five-year overview of the institute's placement and higher studies records.

Placement and Higher studies record of the last five years

Sr. No.	Year	Placement						
		MECH	ELE	CSE	CIVIL	CHEM	EC	TOTAL
1	2022-23	16	30	25	2	26	7	106
2	2021-22	24	21	19	13	4	3	84
3	2020-21	29	20	14	3	10	8	84
4	2019-20	15	18	18	29	2	4	86
5	2018-19	29	19	24	27	6	2	107

Sr. No.	Year	Higher Studies						
		MECH	ELE	CSE	CIVIL	CHEM	EC	TOTAL
1	2022-23	0	7	0	20	0	1	28
2	2021-22	2	2	2	8	0	0	14
3	2020-21	3	7	10	14	2	3	39
4	2019-20	5	2	9	12	0	1	29
5	2018-19	7	3	2	14	3	0	29
Sr. No.	Year	Entrepreneurship						
		MECH	ELE	CSE	CIVIL	CHEM	EC	TOTAL
1	2022-23	0	0	0	0	0	0	0
2	2021-22	0	0	0	0	0	0	0
3	2020-21	0	0	0	1	0	0	1
4	2019-20	2	0	0	0	0	0	2
5	2018-19	0	3	0	1	0	0	4

It is worth noting that the students are not only seeking placements or higher education but are also increasingly inclined toward entrepreneurship. This entrepreneurial spirit is greatly encouraged by the institute's facilities and support, further showcasing the institute's commitment to fostering diverse career paths and opportunities for its students.

આયુષ્માન ભારત-પ્રધાનમંત્રી જનઆરોગ્ય યોજના
"પી.એમ.જે.એ.વાય-મા" યોજના
31.10 લાખ
સુધીની મફત સારવાર
પ્રતિ વર્ષ, પરિવાર દીઠ

બારડોલી માં PMJAY-MA યોજના અંતર્ગત મફત સારવાર આપતી એકમાત્ર હોસ્પિટલ



TEXAS MULTI SPECIALITY HOSPITAL

Managed by

VIDHYABHARTI TRUST UMRACH

સુપર સ્પેશ્યાલીટી વિભાગો



કાર્ડિયોલોજી (કેથ લેબ) વિભાગ

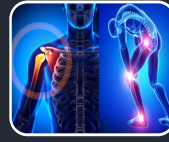
ઈ.સી.જી. ઇકો કાર્ડિયોગ્રાફી, ટ્રેડ મીલ ટેસ્ટ, એલ્ટ્રાસોનાગ્રાફી, એલ્ટ્રાસોનાસ્ટ્રી, પ્રેસ મેકર દુક સમયમાં કાર્યરત



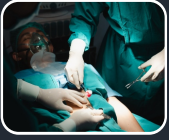
સ્ત્રીરોગ અને પ્રસુતિ વિભાગ
તથા નવજાત શિશુ સારવાર (NICU)



નેફ્રોલોજી (કિડનીની સારવાર)
તથા ડાયાલીસીસ વિભાગ



ઓર્થોપેડીક વિભાગ



સર્જરી વિભાગ



ICU અને NICU વિભાગ



પીડ્યાટ્રીક વિભાગ
(બાળકો માટે)



સોનોગ્રાફી વિભાગ

24/7
Emergency
Services



CT SCAN અને
એક્સ-રે વિભાગ



:: નામ નોંધાવવા માટે સંપર્ક કરો ::

93162 26173

વિદ્યાભારતી ટ્રસ્ટ કેમ્પસ,
મોતા રોડ, મુ. પો. બાબેન,
તા. બારડોલી, જી. સુરત





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ESTD. 1980

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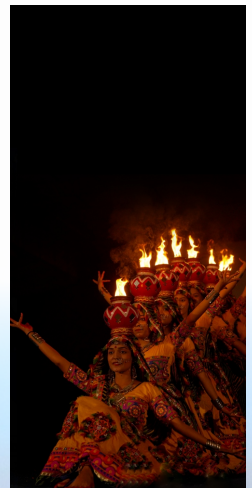
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