

# Resonance@GDEC

For limited Circulations Only

## UNIVERSITY CHAMPIONS

GIDC Degree Engineering College represented Zone-5 (Surat) in GTU's Interzone Volleyball Tournament held at Rajkot and became the champion. The team had earlier won the Zone-5 tournament which was held at Surat and secure their birth to play in Rajkot. The team led by captain Luv Tandel, Neel Tandel, Raj Tandel, Kevin Tandel, Dipen Tandel, Ansh Patel, Raj Tandel, Montu Tandel, Neel Tandel, Man Tandel, Mickey Tandel and Parth Patel made the team the champion by their excellent performance. Prof. Daksh Tandel accompanied the team and guided the team. Raj Tandel and Kevin Tandel got selected to Represent Gujarat Technological University Volleyball Team Men for Participating in All India Inter University Tournament. GIDC Education Society and GIDC. Degree Engineering College congratulates all the players for making the college proud.



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## GDEC TEAM

**Prof.(Dr.) Hiralal S. Patil,**  
I/C Principal

**Prof.(Dr.) Shailesh. S. Patel,**  
Head, Applied Sci. & Huma. Dept.

**Dr. Dilip C. Patel,**  
Head, Mechanical Engg. Dept.

**Dr. Rakesh. J. Motiyani,**  
Head, Electrical Engg. Dept.

**Dr. Archana Nayak,**  
Head, Computer Engg. Dept.

**Prof.Vikunj K Tilva,**  
Head, Civil Engg. Dept.

**Prof. Toral Patel,**  
Head, Automobile Engg. Dept.

## EDITORIAL TEAM

**Prof. Toral Patel**

**Prof. Kenal Tandel**

**Prof. Aakash N Patel**



## MESSAGE FROM PRINCIPAL

Dear Students, Staff, and Stakeholders

With the recent conclusion of the university's end-semester examinations, we step into the even semester of the curriculum with renewed vigor and enthusiasm. At GDEC, we believe in providing our students with not just academic excellence but also opportunities for holistic growth and development. I am immensely proud of the accomplishments of our students, who have excelled in various arenas. From securing 2nd place in weightlifting to clinching the GTU Volleyball Championship, from winning the Gujarat Gyan Guru Quiz-2 competition to celebrating significant events like Yoga Day, Independence Day, Republic Day, the Election Awareness Campaign, and National Voters Day, each achievement is a testament to our students' dedication and spirit. Furthermore, I commend the efforts of our faculty members for organizing enriching faculty development programs, seminars, and industry visits for students. The majority of our students have been successfully placed in reputed companies through our placement cell, while others have embarked on rewarding internships in various industries. As we look forward, I am confident that GDEC will continue to scale new heights and garner more laurels in the days to come. I extend my best wishes to all the staff and students for the upcoming TechFest (UDAAN), Sports (AIKYAM), and Cultural (GUNJ) events scheduled for March 2024. These events not only showcase our students' talents, but also foster a sense of camaraderie and team spirit. I congratulate the editorial team for bringing out this newsletter.

!With Best Wishes!

Prof. (Dr.) H. S. Patil

Professor MED and I/c Principal

## DYNAMIC MANAGEMENT

Name of the Member	Designation in the Society	Current Position/Organization
Dr. Rahul Gupta, IAS	Chairman	Vice Chairman & Managing Director GIDC, Gandhinagar
Shri B. C. Warli	Member Secretary	Director(Notified Area) & GM GIDC, Gandhinagar
Dr. V. S. Purani	Member	Joint Director, DTE, Gandhinagar
Shri Ashok G Dhodi	Member	Superintendent Engineer GIDC, Surat
Smt. Harshaben H. Nayak	Member	Social Worker and Ex Chairperson, Gujarat Women Economic Development Corporation LTD., Govt of Gujarat.
Shri. Sanjay I. Desai	Member	Syndicate Member, VNSGU, Surat & Consulting Engineer
Shri Hiren R. Vepari	Member	Practicing Chartered Accountant
Ar. Shivarao R. Channapattan	Member	Architect, Ex-Associate Professor at VNSGU, Surat

## CONSULTANCY ACTIVITIES

GIDC Degree Engineering College is in agreement with various well renowned companies like Tata Consultancy Services (TCS) Ltd., National Testing Agency (NTA), NSEIT Ltd. Under these agreements Computer Engineering Department has successfully hosted multiple online examinations in collaboration with these exam conducting agencies. The details of online exam/s held during Feb-2023 to Jan-2024 are as mentioned below:

Sr. No.	Exam Conducting Agency	Name of Examination	Date/s	Allotted Candidate Strength	Revenue Earned (INR)
1	TCS	NTA JEE	06 to 13-Apr-23	240	55050
2	TCS	NTA CUET	21-May to 02 Jun-23	1950	81600
3	NSEIT Ltd.	DGT ITI	10 to 15-Jul-23	882	56830
					1,93,480

Computer Engineering Department continues to play significant role to generate revenue for the GIDC Degree Engineering College. As a Test Centre Administrator Dr. Archana Nayak (Head, Computer Engg. Dept.) leads a dedicated team of Teaching & Non-Teaching staff which is well equipped to deliver quality services in order to host such exams smoothly.





## SMART INDIA HACKATHON- 2023

A hackathon is typically a time-bound competitive event where participants collaborate to build proof of concept and minimum viable products for a specific pre-defined problem or to innovate. Internal Hackathon for Smart India Hackathon 2023- a National Level Hackathon, was organized by GIDC Degree Engineering College, Abrama, Navsari, Gujarat on 15th - 16th September 2023.

Hackathon 2023 is an event that brings together Developers, Thinkers and Technology enthusiasts to develop innovative solutions to the challenges in society, industry, and the environment. It is a fantastic opportunity for developing indigenous tech solutions that are innovative and can be turned into a functional prototype with the help of Institute/industry mentors.

### ABOUT THE EVENT

As per the guidelines by Smart India Hackathon (SIH) 2023, which is organized by AICTE and Ministry of Education, Government of India, for participating in SIH 2023, every Institute must conduct Internal Hackathon at Institute level and nominate teams for SIH 2023.

Teams for the Hackathon were registered by analysing the solutions to the problems given by the various ministries of Government of India and various state governments. Six students per team of various departments of the institute were formed. 11 teams (Total Students: 66) participated in this round and represented their ideas.

### JUDGING PROCESS

**Round 1 :** On 15th September, 2023, The first round of the event was held at College campus. Each team has represented their problem statements and their approaches to solve those problems. Judges have invigilate given their suggestion to teams.

**Round 2 :** The second round of the event was held on the same day. The judges gave award points to the teams based on the progress made before the second round and the preparation of the PPT on their selected problems.

**Round 3 :** On 16th September, 2023, the final round of the event was held. Each team has represented their final solution and prototype.



## NEW INDIA VIBRANT HACKATHON 2023

Team from Computer Engineering Department, nominated for regional round for New India Vibrant Hackathon 2023 on 4th November, 2023 at Veer Narmad South Gujarat University, Surat. Team has developed Smart Application For Medicinal Plants Information for the problem statement given by the Health and Family Welfare Department, Government of Gujarat.

SR NO.	STUDENT NAME	STUDENT YEAR	MENTOR
1	Govindsinh Rajput	4th Year	Prof. Kushal D. Patel
	Riya Ahir	3rd Year	
	Krishna Desai	3rd Year	
	Shivkant Shukla	4th Year	
	Jatin Lad	3rd Year	



## ORIENTATION PROGRAM FOR CODE UNNATI PROGRAM 2.0

The Edunet Foundation has partnered with SAP India to extend the benefits of the SAP Open Learning Platform to engineering students from our college. This program aims to provide certification in courses that are highly relevant to engineering students, aligning with the current skill trends required in the job market.

### ORIENTATION PROGRAM OVERVIEW

- Edunet Foundation conducted an orientation session on August 21, 2023, to introduce students to the Code Unnati Program and Industry 4.0. Approximately 120 students, comprising both 3rd-year and 2nd-year students from the Computer Engineering Department, attended this session.
- The program commenced with Dr. Diwakar Gautam, Master Trainer at Edunet Foundation, providing a brief introduction to Edunet Foundation, SAP, and the Code Unnati Program. Dr. Diwakar explained Industry 4.0 as the integration of intelligent digital technologies into manufacturing and industrial processes, encompassing technologies such as industrial IoT networks, AI, Big Data, robotics, and automation.
- Students were also introduced to the Student Start-up and Innovation Program (SSIP). The SSIP cell of the Computer department explained the scheme's objectives, institute-level interventions, and the roadmap for students to avail of its benefits. Various events organized by SSIP, such as the Hackathon and Student Open Innovation Challenge (SOIC), were discussed in detail.
- Students who had already achieved their SAP certificates shared their reviews and success stories from Code Unnati Program 1.0 during the academic year 2022-23, particularly their experiences at the Code Unnati Hackathon and SSIP Hackathon.
- The program concluded with the registration and assessment camp for the Code Unnati Program, where interested students participated in a skills test to assess their interest levels and basic programming competencies. Based on their performance, students will be selected for the free-of-cost Course Program.
- This orientation program aimed to familiarize students with the Code Unnati Program, Industry 4.0, and SSIP, providing them with valuable insights and opportunities for their academic and professional growth.



edunet  
foundation

SAP



code unnati



## EVENTS ORGANIZED @GDEC

### SEMINAR- OPPORTUNITIES IN GOVERNMENT JOBS FOR COMPUTER ENGINEERING STUDENTS AFTER GRADUATION

A session was organized for the final year students to guide them various Opportunities in Government Jobs for Computer Engineering Students after Graduation. Mr. Pikeshe Gandhi from Career Aim Academy was invited to guide students regarding various opportunities in Central Government as well as state government job. All the final year students had participated in this session.

### SEMINAR GOVERNMENT JOBS FOR CIVIL ENGINEERING STUDENTS AFTER GRADUATION

Prof. Rajan Lad has successfully organized Career orientation Seminar on Government Job Opportunities for final year students of Civil Engineering.

### SESSION ON GLOBAL ENGINEERING INNOVATION COMPETITION (GEIC) COMPETITION

The Global Engineering Innovation Competition (GEIC) is a competition which provides engineering students and professionals with the opportunity to demonstrate their innovative thinking, compete for the chance to travel to the United States for international exposure at NASA, MIT, and Harvard, receive job offers, complete trainings, earn certifications and rewards, network with experts, and secure funding for their creative ideas. Ms. Ritu Kukreja demonstrated the Global Engineering Innovation Competition (GEIC) competition which is organized by simplifying skills. Session was organized on 7th November, 2023. Final year students from the Computer Engineering Department and Automobile Engineering Department had participated in this session.



### 5 DAYS FACULTY DEVELOPMENT PROGRAM ON MACHINE LEARNING, COMPUTER VISION, IOT, SAP ABAP

The Code Unnati Program has been scaled up in Gujarat, Maharashtra & Delhi region with a stronger commitment to its objective of skilling the students in Industrial Revolution (IR 4.0) technologies alongside enhancing the training capacities of the faculty members associated with this domain.

This collaboration has been a game-changer for our students as well as our faculty members from the Institute. The Code Unnati Program, with its comprehensive courses in Python, Internet of Things (IoT), Machine Learning, Artificial Intelligence (AI), and Employability Skills, has equipped our students with the skills that are not only relevant but also in high demand in today's job market.

In line with the program's objectives, Computer Engineering Department of GIDC Degree Engineering College and Edunet Foundation successfully conducted a Faculty Development Program (FDP) from 11th to 15th December 2023. The FDP focused on the practical applications of Python, Machine Learning, Artificial Intelligence, Internet of Things, and the SAP ABAP platform. A total of 22 faculty members from the institute participated in this program with the goal of enabling them to incorporate these emerging technologies into their teaching methodologies.

The FDP was conducted by the master trainer, Dr. Diwakar Gautam, a renowned expert in Machine Learning and Artificial Intelligence. The program covered practical aspects of Python, Machine Learning, Artificial Intelligence, Internet of Things, and SAP ABAP platform. Dr. Diwakar Gautam shared his expertise and knowledge, providing participants with insightful information and hands-on experience in the mentioned technologies.

The Faculty Development Program concluded with a vote of thanks by Dr. Archana Nayak, Head of Computer Engineering Department, acknowledging the dedication and efforts of all participants and trainer and all other stockholders. To recognize the commitment of the 22 faculty members, participation certificates were distributed at the end of the program.

Participated Faculty Members: Prof. Kushal D Patel, Prof. Brijesh U Patel, Prof. Gira R Barot, Prof. Ridhdi, Prof. Mitesh H Patel, Prof. Hariketan B Patel, Dr. Dilip C Patel, Prof. Pankti S Naik, Prof. Mihir A Mishra, Prof. Kaushik S Patel, Prof. Bhumika H Patel, Prof. Hetal M Patel, Dr. Archana M Nayak, Prof. Dhruvang R Gayakwad, Prof. Rajankumar J Lad, Prof. Jaldip J Patel, Prof. Bharat Gajera, Prof. Chetan S Patil, Prof. Sunilkumar V Jaganiya, Prof. Vikunj K Tilva, Prof. Dharmishtha T. Patel.



## EVENTS ORGANIZED @GDEC

### CAN EXPERT LECTURE ON CNC MACHINES AND IT'S DEVELOPMENT

An expert lecture on “CNC Machines and it's Development” was organized by Mechanical Engineering Department on 11th September for 7th semester students of Mechanical Department. Mr. R.S.Rao, General Manager (Operations) Peass Industrial Engineers Pvt. Ltd. Navsari was the speaker of workshop. 35 Students from 7th semester participated in lecture.

### SEMINAR ON DRONE TECHNOLOGY

On 5th September, 2023, Mechanical Engineering Department of GIDC Degree Engineering College, Abrama organized an enlightening seminar on drone technology in collaboration with VAMA Skylight, a leading company in the drone industry. The seminar aimed to provide students and faculty with insights into the world of drones, their applications, and their rapidly evolving technology. Mr. Nikunj Bajoria, Mr. Abhishek Nathani, and Mr. Dhruv seasoned professional from VAMA Skylight, conducted the seminar and provided a practical demonstration of drone operations. Total 47 students of 7th semester from mechanical engineering department have attended the seminar. This report summarizes the key highlights and takeaways from the event. The seminar began with an introduction to the history and evolution of drones, emphasizing their military origins and their subsequent transition into civilian and commercial applications. Mr. Dhruv presented an overview of the various industries where drones are making a significant impact, such as agriculture, construction, cinematography, and environmental monitoring. This event serves as a testament to GIDC College's commitment to providing students with exposure to emerging technologies and practical knowledge that prepares them for the dynamic job market.



### ONE DAY SEMINAR ON “CAREER IN MERCHANT NAVY”

Electrical department has organized a one day seminar on “Career in Merchant Navy” for the final and pre-final year students of electrical and mechanical engineering students on 5th October 2023. Total more than 100 students have participated in the seminar conducted by Mr. Nishant Satish Vaidya, Dy.Marketing Manager, Seven island Training Institute. The event was coordinated by Prof. Rohit Damor under the guidance of Dr. R J Motiyani.

### ONE DAY WORKSHOP ON “FUEL-CELL ELECTRICAL VEHICLE WITH ADVANCED BATTERY MANAGEMENT SYSTEM”

Electrical Engineering Department has arranged a one day workshop on “Fuel-cell Electrical Vehicle with Advanced Battery Management System” for the final and pre-final year students of electrical engineering on 15th September, 2023. The workshop was conducted by Dr. Jignesh P. Desai, Assistant Professor in Electrical Engineering Department, U. V. Patel Institute of Technology, Ganpat University, Mehsana, Gujarat. Total 45 students and all faculties of electrical department have participated in the workshop. Participants have also got the practical exposure of advance battery management system during the laboratory session. The workshop was coordinated by Prof. Bhavesh S. Patel, Prof. Bhavin Trivedi and Prof. Ankur P. Desai under the guidance of Dr. Rakesh J Motiyani, H.O.D. of the Electrical Engineering Department.



### EXPERT SESSION ON AUTOCAD, 3DS MAX, REVIT AND BIM TECHNOLOGY

Prof. Sunil Jaganiya has invited Khodiyar CAD center (I) Pvt. Ltd. for an expert session on AutoCAD, 3Ds Max, Revit and BIM Technology for 3rd, 5th and 7th semester students on date 24th August 2023. Total more than 70 students have participated in the seminar.

### AN EXPERT SESSION ON “SKETCHING AND DESIGNING SOFTWARE FOR AUTOMOTIVE DESIGN”

An Expert Session on “Sketching and Designing Software for Automotive Design” by Mr. David Christian in collaboration with Mr. Kaushik Patel, CAD Centre, Valsad was successfully organized and attended by all students of Automobile Department. Event was coordinated by Prof. Toral Patel. The students were enthralled by concepts of aerodynamics, bodyshell design and chassis structure.





## EVENTS ORGANIZED @GDEC

### VALUE ADDED COURSE ON BASICS OF “2D AND 3D MODELING”

Value added Course on basics of “2D and 3D Modeling” was successfully completed with 10 Participants generating a revenue of Rs.10000 benefitting students of sem 5 Automobile Engineering. The exceptional efforts for the successful completion of program were by Prof.Kenel Tandel and Prof.Sunil Khokhar. The training was carried out in month of August 2023 which will help to increase their overall employability. A test was carried out before provided certificates to the participants.

### SSIP ORIENTATION PROGRAM

SSIP Orientation program was conducted for 1st year students informing them the advantages and schemes related to start ups and benefits of being an employer rather than an employee. Prof. Ankit Patel coordinated the event with SSIP cell.

### EXPERT SESSIONS ON „HOW TO PREPARE FOR GPSC EMPLOYMENT EXAMS”

Expert sessions on „How to prepare for GPSC Employment Exams” were carried out by Prof.Toral Patel for students of semester 7 and semester 5 by showing form filling process from OJAS website with live examples and demo. All the students of semester 7 filled their application form using the knowledge gained during this session and 5th students also filled application form for current advertisement published on OJAS website by GPSC. The session was for half day ( twice) in month of September 2023.

### LIVE SCREENING OF LAUNCH OF ADITYA L1 MISSION

Live screening of launch of ADITYA L1 Mission on 2nd September 2023 for Departmental Faculty. The Event was publicized widely in department students and faculty and a special screening to watch the proud moment live with all the faculty of Automobile Department in Department Staff room.



### MERI MAATI MERA DESH (MMMD) CAMPAIGN

CIn light of the ongoing Meri Maati Mera Desh (MMMD) Campaign, dedicated to honoring our brave-hearts (Veeron Ka Vandan), GIDC Degree Engineering College had celebrated the Rashtriya Ekta Diwas.

### CHANDRAYAAN-3 MAHA QUIZ

Chandrayaan-3 Maha Quiz Celebrations was carried out on 20th October, 2023 in the GIDC Degree Engineering College, Abrama-Navsari, Gujarat, India.

### AARTI THALI DECORATION COMPETITION

Navaratri, the vibrant and culturally rich festival celebrated with great enthusiasm across India, is not just about dance, music, and fasting; it also brings with it a plethora of creative and competitive events. One such event that adds to the festive charm is the Aarti Thali Decoration Competition. This competition brings out the artistic talents of participants who create beautifully adorned Aarti Thalīs. The Aarti Thali Decoration Competition took place on 21st October 2023 in college premises. The event was organized by GDEC Fine Arts Club and Women Development Cell (WDC). The Aarti Thali Competition is a visually appealing and artistic event, allowing participants to showcase their creativity by decorating Aarti Thalīs, which are traditionally used for worshipping deities during Navaratri. Participants were required to bring their own Aarti Thali, which was meticulously decorated with a variety of materials like coloured paper, beads, mirrors, decorative items, and other embellishments. The creativity and attention to detail displayed by the participants were truly remarkable. The competition was intense, and all participants put in tremendous effort to create stunning Aarti Thalīs. Patel Vishva Girishbhai and Jeneesaben Riddhishbhai Patel from Electrical Engineering Department secured First position and Patel Harshitaben Umeshbhai and Patel Diya Vinodbhai from Computer Engineering Department secured second position.



## EVENTS ORGANIZED @GDEC

### KALASH DECORATION COMPETITION

Navratri, a joyous festival celebrated in India, is known for its diverse cultural events. One such event that enhances the festive spirit is the Kalash Decoration Competition. Participants decorate Kalash (holy pots) with intricate designs, colours, and embellishments, showcasing their creativity and devotion. The Kalash Decoration Competition took place on 21st October 2023 in college premises. The event was organized by GDEC Fine Arts Club and Women Development Cell (WDC). The Kalash Decoration Competition is an event that beautifully combines artistry and devotion. Participants were required to bring their own Kalash, which they decorated using a wide range of materials such as coloured paper, flowers, leaves, mirrors, beads, and other decorative items. The competition encouraged artistic expression while honouring the traditional significance of the Kalash in Hindu rituals. Patel Ujjalben J., Patel Peri H. and Patel Aayushi B. from Computer Engineering Department secured first rank and Tandel Kunjalben Rameshbhai, Tandel Payalben Bhikhubhai and Patel Dixi Rohitbhai from Computer Engineering Department secured second position in this competition.



## WOMEN DEVELOPMENT CELL (WDC) ACTIVITIES

### SOCIAL VISIT TO GANDHIGHAR, KACHOLI

Women Development Cell of GIDC Degree Engineering College, Abrama, Navsari, had organized a social visit to Gandhighar, Kacholi on 13th October 2023 specially for our Girls students. Around 71 girl Students and 08 female staff had participated in this visit.

Gandhighar Kacholi was established by the Mahatma Gandhi Memorial Trust to spread Mahatma Gandhiji's ideas and techniques for rural reconstruction through constructive activities. The gram Seva Samiti of Kacholi received one allotment for such a Gandhighar, with Shri Kikubhai Naik, the current president of the Trust, being a pioneer in the effort. Gandhighar Kacholi, a small town on the western outskirts of Kacholi, started as a Boarding House for Girls. Gandhighar Kacholi is renowned for its commitment to creating an inclusive and supportive learning environment for students with hearing impairments. The school caters to a diverse group of students, offering various educational programs tailored to meet their individual needs.

#### Observations and Experiences:

- 1. Communication Methods:** One of the striking aspects of the visit was the emphasis on diverse communication methods. American Sign Language (ASL) was prevalent, and students and teachers seamlessly communicated using sign language. Additionally, the school promoted the use of assistive technologies like hearing aids and cochlear implants to facilitate communication.
- 2. Inclusive Classrooms:** The classrooms were designed with inclusivity in mind. Teachers were trained in deaf education strategies, ensuring that the curriculum was accessible to all students. Visual aids, written instructions, and interactive activities were integral components of the teaching methods.
- 3. Cultural Sensitivity:** The school actively promoted cultural sensitivity and awareness. Students were encouraged to embrace and celebrate their unique identities, fostering a sense of pride within the deaf and hard of hearing community.
- 4. Extracurricular Activities:** The school offered a rich array of extracurricular activities, including sports, arts, and music. Adaptive sports and visual arts programs allowed students to showcase their talents and build confidence outside the classroom.

**Challenges Faced:** While the school excelled in creating an inclusive environment, it was evident that there were still challenges, such as societal misconceptions about deafness and limited accessibility in public spaces.

The visit to Gandhighar Kacholi was an eye-opening experience. It reinforced the importance of inclusive education and the need for continued efforts to break down barriers faced by individuals with hearing impairments. The commitment of the staff and the resilience of the students left a lasting impression, highlighting the potential for positive change in the realm of deaf education. We appreciate the efforts and time put by the team Gandhighar Kacholi during our visit.

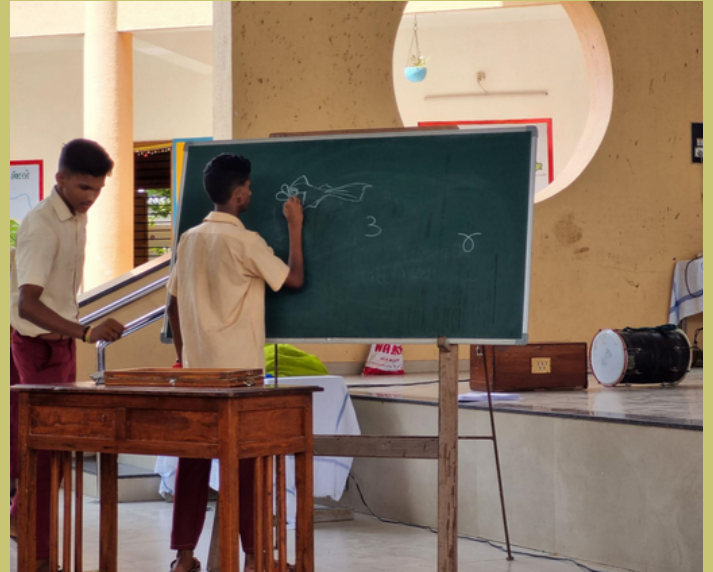
Our Students are glad with the learning and real time understanding of your leading centre where most modern and technical sound school for deaf children is functioning & many other constructive activities of rehabilitation is carried out.

Women Development Cell coordinator: Dr. Archana Nayak, Coordinator Team: Prof. Bhumika Patel, Ms. Amruta Naik, Prof. Krutika Chauhan, Ms. Anita Patel, Prof. Khyati Naik, Ms. Apeksha Desai.



## EVENTS ORGANIZED @GDEC

### GLIMPSE OF SOCIAL VISIT UNDER WDC





## EVENTS ORGANIZED @GDEC

### U19 VOLLEYBALL TOURNAMENT

U19 Volleyball Tournament was successfully organized in GIDC Degree Engineering College on 30-12-2023. The tournament was inaugurated by Mr. Sanjaybhai Tandel, Principal, Sri Kantha Division Vidyalaya, Krishnapur, Mr. Ratilalbhai Tandel, Onjal Machhiwad and Dr. H. S. Patil Principal GIDC Degree Engineering College. A total of 180 players participated in this tournament in 17 teams from Surat, Bardoli, Bhestan, Valsad, Navsari and surrounding villages. In this tournament, the teams from Onjal Machhiwad village of Navsari were the winners and runners-up. The winning team was awarded ₹ 5000/- and trophy and ₹ 2500/- and trophy to runner-up team was Awarded by GIDC Degree Engineering College. Prize were distributed by Mr. Alpesh Patel, District Sports Development Officer, Navsari and Dr. Prakash Patel, Principal R. N. Nayak Public High School, Sarikhurad. In the tournament, best fielder Alay Tandel, best smasher Aryan Tandel and best lifter Neel Tandel were honored with trophies.



### GLIMPSE OF FESTIVAL CELEBRATION GANESH CHATURTHI



DAHI HANDI



NAVRATRI





## TECHNICAL VISITS

### BITUMINOUS MIX PLANT

Prof. Rajan Lad, Prof. Jaldip Patel and Prof. Krutika Chauhan have arranged one technical visit on 20 OCT 2023 at Bituminous Mix Plant Near by Chikhli for 5th Semester student of Civil Engineering Department.

### JAGDAMBA RESIDENCY AT HANSAPORE

Prof. Mittal Wadia and Prof. Krutika Chauhan have arranged field visit of construction of residential buildings at Jagdamba residency at Hansapore for 3rd semester students under a subject Building Construction Technology on 12th December 2023.

### JETTY CONSTRUCTION SITE AT DAMAN

Prof. Jaldip Patel, Prof. Sunil Jaganiya and Prof. Hemina Patel have organized one day technical visit on 21st December 2023 at Jetty construction site at Daman for 7th semester students of civil engineering department.



### BISAG-N, GANDHINAGAR

To get practical knowledge and to give an insight about the way things work in the real life scenario, students of Computer Engineering visited Bhaskaracharya National Institute for Space Applications & Geo Informatics (BISAG-N) on 17th August, 2023 assisted by Prof. Brijesh Patel, Prof. Pankti Naik and Prof. Kushal Patel & 18th August, 2023 assisted by Prof. Kaushik Patel, Prof. Bhumika Patel and Mrs. Amruta Naik. A group of 50 student on each day from Computer Engineering Department, GDEC, Navsari visited BISAG-N.

BISAG, formerly known as Remote Sensing and Communication Centre (RESECO), BISAG is a National level nodal agency to facilitate the use of spatial and geo-spatial technologies for the planning and developmental activities pertaining to Agriculture, Land and Water Resource Management, Wasteland/Watershed Development, Forestry, Disaster Management, Infrastructure and Education.

The Institute started its operations in April 1997 and was renamed as "Bhaskaracharya Institute for Space Applications and Geo-informatics". BISAG provides specialized services and solutions in implementing map- based GeoSpatial Information Systems. BISAG undertakes all services for the entire process of implementing an enterprise level GIS system. These services include GIS database design and development, map creation/updation and finishing, data migration/conversion and format translation, software development and customization, systems integration and technical consulting. BISAG also provides complete GIS solutions, which bundle hardware, and software with GIS systems development services.

Outcomes:

- 1) Students gain the knowledge of organization.
- 2) Students became aware of satellite communication.
- 3) Students gain the knowledge of satellite mapping of earth.
- 4) Students became aware of the latest satellites of BISAG.
- 5) Students became aware of BISAG television channels (Vande Gujarat) for recording and broadcasting of various programs for spreading and sharing the educational knowledge to all parts of Gujarat.





## TECHNICAL VISITS

### J P ICE FACTORY AND HIMGANGA COLD STORAGE

On 18th September 2023, 25 students of 7th semester visited J P Ice factory and Himganga cold storage. Visit was arranged to enhance their knowledge in HVAC (Heating Ventilation and Air conditioning) field. Students observed working of Ammonia based ice manufacturing plant. Working of each associated sub component, was also demonstrated. In cold storage plant, students observed cold storage plant and understand that how agricultural products like wheat, rice etc. are being preserved. Working of associated subcomponent was also explained and demonstrated. Visit was coordinated by Mr. Daksh R Tandel and Mr. Mitesh H Patel.

### HYDROTRONICS

An industry visit was organised at Hydrotronics Industries Pvt. Ltd, Bilimora for 5th semester Mechanical engineering department students of GIDC Degree Engineering College, Abrama, Navsari. The visit took place on October 12, 2023, and it provided students with invaluable insights into the company's operations and contributions to the field of hydraulic engineering. The visit, which was organized as part of our academic curriculum, aimed to provide students with real-world exposure to the workings of a successful engineering firm. It also offered them an opportunity to witness the practical applications of the knowledge they have acquired in the classroom. Hydrotronics Industries Pvt. Ltd is a renowned name in the field of hydraulic engineering and is known for its cutting-edge technology, quality products, and commitment to sustainability. The primary purpose of this visit was to expose us, the students of the Mechanical Engineering Department, to real-world engineering practices, technologies, and quality standards. A total of 32 students have actively participated in this industry visit.

### NHB BALL AND ROLLER

Students of 3rd semester, Mechanical department visited NHB Ball & Roller at Amalsad on 10th December 2023. With 69 years of experience in ball manufacturing, NHB is one of the leading manufacturers of the high precision balls. Today NHB is exporting to more than 20 countries around the world and gaining strong presence in noise sensitive & other critical applications. The visit helped student to understand subject "MATERIAL SCIENCE & METALLURGY & MANUFACTURING PROCESS" in more detail. With the help of visit, students got in touch with real working environment and it became useful tool to enhance the knowledge of subjects. The visit of 17 students was co-ordinated by Prof. Dhavalkumar S. Chaudhari.





## TECHNICAL VISITS

### POWER STATION, UKAI

Electrical Engineering Department has organized the visit of Hydro and Thermal Power Station, Ukai for the final year electrical engineering students on 29th September 2023. Total 35 students of final year students of Electrical Engineering have got the practical exposure of Hydro and Thermal Power Engineering. Electrical engineering benefited from the visit. The students were accompanied by faculty members Prof. Dhaval Patel, Prof. Rohit Damor and Mrs. Apeksha Desai. This visit was planned under the guidance of Dr. Rakesh J Motiyani, H.O.D. of the Electrical Engineering Department.



### GAS BASED COMBINE CYCLE POWER PLANT, DHUVARAN

Total of 46 students have got the exposure of Power Plant Engineering and Switch Yard during the organized visit. The students were accompanied by faculty members Prof. Dhaval Patel, Prof. Rohit Damor and Mrs. Chetna Patel. This visit was planned under the guidance of Dr. Rakesh J Motiyani, H.O.D. of the Electrical Engineering Department.



### ADANI DAHANU THERMAL POWER STATION

Industrial Visit at Adani Dahanu Thermal Power Station (ADTPS) was organized by Automobile Department TPO cell for sem 5, sem 7 students and conducted by Prof. Ankit Patel and Prof. Mayur Jalanapurkar on 26/09/2023. The students understood the concept of thermal power plant were enlightened by the giant structures and precision of work required to run the giant unit. Actual Operation of Power Plant, Turbines, Exciter, Boiler, Ash handling plant, Coal Handling Plant, Conveyor Belt etc. They observed the advantages of a thermal power plant and benefits to society.





## STUDENT ACHIEVEMENTS



## GIDC Degree Engineering College

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CONGRATS  
KHALIFA  
AFZAL  
ABBASBHAH

2ND  
WINNER

AT NAVSARI DISTRICT IN STATE LEVEL ESSAY  
COMPETITION, ON OCCASION OF SARDAR  
VALLABHBHAI PATEL BIRTH ANNIVERSARY

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DHRUVIL  
CHAUHAN

WINNER

AT SUBDISTRICT LEVEL IN POSTER DESIGN  
COMPETITION UNDER  
YUVA MATDAR MAHOTSAV 2023

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*Congratulation*

WINNERS AT GUJARAT GYAN GURU QUIZ 2.0



GADHIYA RAJ K  
Bumper QUIZ - 2



GHOODADARA AKASH  
PRIZE: ₹3000



KASSA HARISH V  
PRIZE: ₹3000



SONVANE DIPAK  
PRIZE: ₹3000



PATIL HARSH  
PRIZE: ₹3000



MANGURKIYA DARSHAN  
PRIZE: ₹3000



AKABARI YASHESH R  
PRIZE: ₹3000

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## FACULTY ACHIEVEMENTS

### PAPER PUBLISHED

- Prof. Toral Patel presented & published Paper in International Conference ICETES 23 at Andhra Pradesh in month of August 2023.
- Prof. Daksh Tandel published a paper on "Review on energy conservation techniques from compressed gas by using liquid piston technology" in Anvesak (A bi-annual journal).
- Prof. Ankurkumar Pramodbhai Desai has published a research article on "Simulation Study of Sensorless Speed Control for Brushless DC Motor" in the IEEE R10 Humanitarian Technology Conference 2023, organized at Marwadi University, Rajkot, India, from 16th to 18th October, 2023. The conference was sponsored by the IEEE Gujarat Section.
- Prof. Kushal Patel, Prof. Mihir Mishra published paper at International Journal Of Creative Research Thoughts (IJCRT) titled as "Internet of Things (IoT), Its Impact on Agriculture and challenges and future", Volume 11 | Issue 10 | October 2023, ISSN: 2320-2882.

### SUBJECT EXPERT

- Dr. Shailesh Patel served as a judge at zone level Science, Mathematics and Environment Exhibition held at Navsari.
- Dr. Shailesh Patel expert in the science fair "SCI-FI" organised at surat by NJ Charitable foundation trust.
- Dr. Shailesh S. Patel was the expert in the DPC review of GTU Ph.D. students.
- Dr Shailesh Patel also playing as an important role of expert in RAC, VNSGU, Surat.
- Dr. Shailesh S. Patel was the external expert at Ph.D. Viva-voce exam of Ph.D. student at Indus University, Ahmedabad.
- Prof. Ankurkumar Pramodbhai Desai has served as an expert at Vidhyakunj School, Navsari during the skill competition on 18th December, 2023. More than 90 representatives of secondary and high secondary schools of Navsari district offering trade and vocational courses have participated in this event.
- Prof. Toral Patel was invited as Judge at Science fair at Divine School, district Science fair at Bhaktashram school, skill competition by department of education at Vidyakunj School.
- Prof. Ankurkumar Pramodbhai Desai has reviewed the six research articles that have been submitted to the Journal of the Institution of Engineers (India): Series B, a Scopus-indexed journal under the convening of Springer Nature (New York, US) during the months of June 2023 to December 2023.

### PATENT

- An UK Design Patent with the Title: "IOT Based chemical industrial grinder machine", by Prof. Archana Nayak has been successfully Granted, Design number: 6288659 (Granted)
- A design patent on "transformer" of Prof. Ankurkumar Pramodbhai Desai has been accepted and published by the Office of the Controllor General of Patents, Design, & Trademarks, Department of Promotion of Industry and Internal Trade, Ministry of Commerce & Industry, Govt. of India, in Journal No. 30/2023, July 28, Design Number 373274-001

### PH.D. AWARDED

- Prof. Archana Nayak awarded with the degree of "Doctor of Philosophy" (Ph.D) of Gujarat Technological university, Ahmedabad under the guidance of Dr. Nirbhay Chaubey
- Title of Thesis: Design and Development of a Prediction Model for Passenger Flow in Public Transport System

Ref. GTU/PhD/Thesis/Notification/2023/ 6204 Date: 23/8/2023

**DOCTOR OF PHILOSOPHY**  
**NOTIFICATION NO.: 418/2023**

It is hereby notified that the University, after considering the reports of the examiners concerned, has accepted the thesis submitted by the following research scholar:

Name of Research Scholar	: Nayak Archana Manan
Enrollment No.	: 179999913007
Branch Name	: Computer/IT Engineering
Title of Thesis	: Design and Development of a Prediction Model for Passenger Flow in Public Transport System
Name of Supervisor	: Dr. Nirbhay Chaubey
Date of Viva - Voce	: 28-07-2023
Entered Register Page No.	: 91, Sr. No. : 494

The University declares Nayak Archana Manan eligible for award of the degree of "Doctor of Philosophy" (Ph.D.) of Gujarat Technological University, Ahmedabad.


The above notification is issued in accordance with order of Hon'ble Vice Chancellor.

*[Signature]*  
Registrar 23/8/23


Copy forwarded with complements to:

- Nayak Archana Manan, D1, Madhav Baug, Adharsh Row House, Tithal Road, Valsad - 396001






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*Congratulations*



**Prof. Archana M. Nayak,**  
**Computer Engineering Department**

**Awarded with the Degree of**  
**"Doctor of Philosophy" (Ph.D)**  
of Gujarat Technological University, Ahmedabad  
Under The Guidance of Dr. Nirbhay Chaubey.

Our heartfelt congratulations and best wishes to her as she approaches the completion of her Ph.D. Her journey in pursuing this advanced degree has been an inspiring one, and continuously impressed by her commitment, intelligence and perseverance

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## FACULTY ACHIEVEMENTS

### FDP/STTP/E-COURSE/WEBINAR/SEMINAR/WORKSHOP ETC

- Prof. Rajan Lad has attended the Webinar on Bridge construction in India: Practice and Challenges by IGS Jabalpur Chapter and student Chapter TIET on date 2nd July 2023.
- Prof. Rajan Lad has attended the Webinar on Disaster risk reduction: Seismic Retrofitting of Masonry, RC Building organized by Ultra Tech Cement Ltd and Indian Concrete Institute- Ghaziabad Centre on date 8th July 2023.
- Prof. Rajan Lad has attended the Webinar on Economical, Efficient Robust & Long-Lasting Modern Road Technology – Thin White Topping by Ultra Tech Cement Ltd and Indian Concrete Institute- Ghaziabad Centre on date 15th July 2023.
- Prof. Rajan Lad has attended the Webinar on Non-Destructive Evaluation of Reinforced Concrete Structure organized by Ultra Tech Cement Ltd and Indian Concrete Institute- Ghaziabad Centre on date 5th August 2023.
- Prof. Krutika Chauhan has attended the Webinar on Modern Assessment Tools for Di-Risking of Project Cost by Dr. Yogini Deshpande, Technical Director at Renuka Consultant, organized by UltraTech Cement Ltd and Indian Concrete Institute- Ghaziabad Centre on date 4th March 2023.
- Prof. Krutika Chauhan has attended the Webinar on Non-Destructive Evaluation of Reinforced Concrete Structure by Er. Brijesh Singh, Group Manager (Scientist D), Programme Leader-Construction Technology Management-I, NCB-Ballabgarh, Haryana, India, organized by UltraTech Cement Ltd and Indian Concrete Institute- Ghaziabad Centre on date 8th August 2023.
- Prof. Jaldip Patel has attended the Webinar on Bridge construction in India: Practice and Challenges by IGS Jabalpur Chapter and student Chapter TIET on date 2nd July 2023.
- Prof. Jaldip Patel has attended the Webinar on white topping and RMD Technology by Ultra Tech Cement Ltd and Indian Concrete Institute- Ghaziabad Centre on date 1st July 2023.
- Prof. Jaldip Patel has attended the Webinar on Disaster risk reduction: Seismic Retrofitting of Masonry, RC Building organized by Ultra Tech Cement Ltd and Indian Concrete Institute- Ghaziabad Centre on date 8th July 2023.
- Prof. Jaldip Patel has attended the Webinar on Economical, Efficient Robust & Long-Lasting Modern Road Technology – Thin White Topping by Ultra Tech Cement Ltd and Indian Concrete Institute- Ghaziabad Centre on date 15th July 2023.
- Prof. Jaldip Patel has attended the Webinar on Non-Destructive Evaluation of Reinforced Concrete Structure organized by Ultra Tech Cement Ltd and Indian Concrete Institute- Ghaziabad Centre on date 5th August 2023.
- Prof. Jaldip Patel has attended the Webinar on Concrete Pavement Mix Design (IRC:44) and dry lean concrete mix design (IRC:SP:49) organized by Ultra Tech Cement Ltd and Indian Concrete Institute- Ghaziabad Centre on date 2nd September 2023.
- Prof. Mittal Wadia has attended the Webinar on Modern Assessment Tools for Di-Risking of Project Cost by Dr. Yogini Deshpande, Technical Director at Renuka Consultant, organized by UltraTech Cement Ltd and Indian Concrete Institute- Ghaziabad Centre on date 4th March 2023.
- Prof. Mittal Wadia has attended the Webinar on Non-Destructive Evaluation of Reinforced Concrete Structure by Er. Brijesh Singh, Group Manager (Scientist D), Programme Leader-Construction Technology Management-I, NCB-Ballabgarh, Haryana, India, organized by UltraTech Cement Ltd and Indian Concrete Institute- Ghaziabad Centre on date 8th August 2023.
- Prof. Pritesh Rathod has participated & successfully completed One-week online FDP on "Emerging Trends in Construction Practice" during 3-7th October 2023 organized by Civil Engineering Department of C. K. Pithawala College of Engineering & Technology, Surat in association with The Institution of Engineers (India) South Gujarat Local Centre, Surat.
- Prof. Sunil Jaganiya has successfully completed the FDP Programme On "Emerging Trends in Construction Practice" from 3rd Oct 2023 to 7th Oct 2023, organized by C.K. Pithawala college of engineering and Technology, surat in association with "The Institution of Engineers (India)".
- Prof. Sunil Jaganiya has successfully completed SAP India supported FDP Program from 11th Dec 2023- 15th Dec 2023 on "Machine Learning, Internet of Things and SAP ABAP" under the Code Unnati Program at GIDC Degree Engineering College, Navsari.
- Prof. Rajan Lad has successfully completed the FDP Programme On "Emerging Trends in Construction Practice" from 3rd Oct 2023 to 7th Oct 2023, organized by C.K. Pithawala college of engineering and Technology, surat in association with "The Institution of Engineers (India)".
- Prof. Jaldip Patel has successfully completed the FDP Programme On "Emerging Trends in Construction Practice" from 3rd Oct 2023 to 7th Oct 2023, organized by C.K. Pithawala college of engineering and Technology, surat in association with "The Institution of Engineers (India)".
- Prof. Rajan Lad & Prof. Jaldip Patel has successfully completed SAP India supported FDP Program from 11th Dec 2023- 15th Dec 2023 on "Machine Learning, Internet of Things and SAP ABAP" under the Code Unnati Program at GIDC Degree Engineering College, Navsari.
- Prof. Mittal Wadia has successfully completed 12 weeks (July-Oct 2023) NPTEL Online certification course (SWAYAM) of Urban Governance and Development Management (UGDM) on 28th October, 2023.
- Prof. Kushal D. Patel attended the International Conference on "Recent Advances in Health, Agriculture and Environmental Sciences" organized by Association of Professionals in Biotechnology and Pharmaceutical Research (APBPR) on 28-10-2023 by virtual platform.
- Prof. Kushal D. Patel attended an online webinar on "Artificial Intelligence in Power Systems" organized by Skill Activate, and technically sponsored by the IEEE Ethiopia section on 18th November, 2023.
- Prof. Kushal D. Patel attended an online webinar on "Applications of IoT in day to day life" organized by Skill Activate on 18th November, 2023.
- Prof. Chetan Sudam Patil (Mechanical Engineering department) from GIDC Degree Engineering College, Abrama, Navsari has attended Workshop "DRONE Design and Analysis using ANSYS Simulation Solutions" held from 06th to 10th November, 2023 organized by the Department of Mechanical Engineering of S. V. National Institute of Technology, Surat.





## FACULTY ACHIEVEMENTS

### FDP/STTP/E-COURSE/WEBINAR/SEMINAR/WORKSHOP ETC

- Dr. D. C. Patel, Dr. Hariketan B. Patel, Prof. Bharat H. Gajera, Prof. Hitesh C. Rana, Prof. Mitesh H. Patel and Prof. Chetan S. Patil have successfully completed 5 Days Faculty Development Program on Machine Learning, Computer Vision, IOT, SAP ABAP by Edunet Foundation under Code Unnati Program 2.0 scheduled from 11th - 15th December, 2023.
- Dr. Hariketan B. Patel, Prof. Bharat H. Gajera, Prof. Hitesh C. Rana, Prof. Dharmik A Patel and Prof. Mitesh H. Patel have successfully completed one-week FDP on Machine Learning Applications for Mechanical Engineers organized by Departments of Mechanical Engineering and Computer Science Engineering of CVR College of Engineering during December 18th to 23rd, 2023.
- Dr. Hariketan B. Patel successfully completed 12 week NPTEL Online Certification course on " Scientific Computing using Python from July - Oct 2023 with course credit of 4.
- Prof. Ankurkumar Pramodbhai Desai has attended a one week STTP approved by ISTE and CTE on "Application of Power Electronics in Power Systems" held from 19th to 23 June, 2023, organized by the Electrical Engineering Department (NBA-accredited), Dr.S & S.S. Ghandhy College of Engineering & Technology, Surat.
- Prof. Ankurkumar Pramodbhai Desai has attended a one week NaMPET Phase-III sponsored Short-Term Course (STC) on "Control of Power Electronics Converters in Renewable and Transportation Applications," held from 28th September to 2nd October, 2023, organized by the Department of Electrical Engineering, SVNIT, Surat.
- Prof. Bhavesh Patel has attended Five days Faculty Development Programme on "Realization of Community Microgrid Using OPAL-RT". Organized by Centre for Smart Grid Technologies & Electrical Engineering from 31st July to 4th August, 2023.
- Prof. Dhruvang Gayakwad and Prof. Dharmishtha Patel have completed SAP India supported 5 days FDP from 11th to 15th December, 2023 on "Machine Learning, Internet of Things and SAP ABAP" at GDEC, Navsari.
- Prof. Bhavesh Patel has attended a 5 days Master Class on "Solar PV System Design" Organized by Skilldzire Technologies Pvt Ltd Hyderabad from 18th December to 22nd December, 2023.
- Prof. Dhruvang Gayakwad has attended 3 Day Symposium on Emerging Research Topics in Engineering 23 (ERTE -2023), with the theme of 'Smart Energy Systems' organized by the Sarvajnik College of Engineering and Technology, Surat from 15th to 17th September, 2023.
- Prof. Mayur Jalanpurkar, Prof. Ashish Omprakash Jain, Prof. Ankit Patel has participated & completed successfully One Week Online FDP on " Effective Strategies for Hyflex Teaching and Learning Environment " organised by Gokul Global University from 1st July to 7th July "23.
- Prof. Ashish Omprakash Jain has successfully completed the following modules organized by the Researcher Academy, Elsevier in July 23.
- Prof. Ashish Omprakash Jain has successfully participated in the Webinar on "Finishing & Deburring for NEXT GEN Automotive EV Parts" on 18 th July, "23; organised by SAEINDIA Western Section.
- Prof. Ashish Omprakash Jain has successfully participated in the Webinar on "Bamboo Applications for Sustainable Mobility – ESG - An Innovative Approach" on 21 st July, 23; organised by SAEINDIA Western Section.
- Prof. Ashish Omprakash Jain has successfully participated in the Seminar on Tribology in TENG" by Dr. Joshua Armitage, University of Leeds, UK on 21 st July, "23; organised by Tribonet.
- Prof. Ashish Omprakash Jain has successfully participated in the Webinar on "Rejected manuscripts: Next steps and finding the right fit" on 28 th July, "23; organised by Elsevier Researcher Academy.
- Prof. Ashish Omprakash Jain has successfully participated in the 2 day live webinar on "Ansys Value Proposition for Startups: EV/Drones/Healthcare" and "Demonstration of Ansys Medini and SCADE tool"