

Resonance@GDEC

For limited Circulations Only

INTERNATIONAL YOGA DAY CELEBRATION

International Yoga Day is observed every year on June 21st to raise awareness about this ancient practice and to celebrate the physical and spiritual prowess that yoga has brought to the world. Yoga is a practice which plays an important role in relaxing the mind and body and boosting people's immune system.

GDEC Yoga club organized a yoga session on the occasion of International Yoga day on 21st June 2023. Students and faculties from all the Department have actively participated in a yoga session. The yoga session was coordinated by Prof. Bharat H. Gajera, Prof. Dharmik A. Patel, and Mr. Himanshu Patel.



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GDEC TEAM

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. Bhavin G. Patel,
Head, Civil Engg. Dept.

Prof. Archana Nayak,
Head, Computer Engg. Dept.

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

EDITORIAL TEAM

Prof. Toral Patel

Prof. Kenal Tandel

Prof. Aakash N Patel

MESSAGE FROM PRINCIPAL

It is a matter of pride to pen down the message for newsletter 'Resonance@GDEC', Volume X, Issue-II of July 2023. Fresh beginnings.... new hopes.... new aspirations...., I take this opportunity to welcome the new batch of students to join in various engineering programmes of our institute. GDEC gives an opportunity to the students to enhance their knowledge and develop their abilities and career with a social responsibility for the development of the state and the nation. We have very eco-friendly campus equipped with state-of-art infrastructure, well equipped labs, workshops and libraries to help students in attaining highest standards in academics, research and professional skills. I appreciate every student who shared the joy of participation in various co- curricular activities organised by the institute along with their commitment to curriculum. This newsletter highlights the achievements and activities of the institute in different spheres. In accordance with institute's vision and mission, the faculty and the students are doing their very best to reach high standards of outcomes based education. The institute has been a forerunner in incorporating the latest trend and technologies - efforts which have won acclaim in academic circles. I am confident that the institute will march ahead and add more achievements to its name. I would like to send my best wishes to the staff and students for showing commendable performance and give good account of themselves in worthwhile endeavours. I congratulate the editorial team on the excellent work done in bringing out this newsletter.

!With Best Wishes!

Prof. (Dr.) H. S. Patil

Professor MED and I/c Principal

UNNAT BHARAT ABHIYAN ACTIVITIES

Tree Plantation

UBA team of GDEC have organized Tree plantation program on 21st of April 2023 at allotted village with the team of students. Village coordinators and 13 students coordinated this program. Total 255 students (55 groups, each have 4 students) have participated and 55 trees were planted.



Blood Donation

UBA team of GDEC & Sneh-setu charitable trust organized Blood Donation program with the help of Red Cross society, navsari on 21st of april 2023 at allotted village. Village coordinators & 15 students have coordinated this program. Total 68 no. of blood bags were collected.



Azadi Ka Amrit Mahotsav Hackathon 2022

Gujarat Knowledge City (GKS) and Student Start-Up Innovation Policy (SSIP) Education Department, Government of Gujarat organized “Azadi Ka Amrit Mahotsav Hackathon 2022”. For this Hackathon, a Regional Round was organized at Veer Narmad South Gujarat University during 7th October and 8th October, 2022 (36 Hours continue). 13 Teams from all the Department, GIDC Degree Engineering College, Abrama have participated in this Regional Round of Hackathon. Each team has developed a prototype and Software/Hardware based on Problem Statement given by various departments for Hackathon.

After the regional round 5 teams have been shortlisted for the Grand Finale which were held during 10th February – 11th February, 2022. All the 5 teams have participated in Grand Finale of the event.

Team Details are as follows:

Shortlisted Team Details		
Students' Name	Name of Mentor	Venue
Dev U. Dange Harshit D. Rajput Bhawna Bhaduria Yashwardan D. Patil Drushti E. Sonwane	Prof. Brijesh Patel	Navrachana University, Vadodara
Nidhi D. Rudani Sejal S. Shukla Aneri K. Patel Bhagyesh V. Soni	Prof. Kushal Patel	Drs. Kiran and Pallavi Patel Global University (KPGU), Vadodara
Shinde Nehal P. Purbia Raju N. Bhaskar R. Nishad Nasit Sagar K. Thummar Ravikumar M.	Prof. Kushal Patel	Drs. Kiran and Pallavi Patel Global University (KPGU), Vadodara
Akash Chauhan Darshan Naik Dhvanit Maisurya Fenil Patel Siddharth Sukhiyajiwal	Prof. Ashish Jain Prof. Kenal D. Tandel	CVM Campus, VVnagar
Rathod Adityakumar Bhandari Shivang Tandel Sandhya Patel Riya Patel Chirag Biradar Khushal Ahir Yashmi	Prof. Pritesh Rathod Prof. Sunil Jaganiya	Anant National University, Ahmedabad

SAP Code Unnati Innovation Marathon 2023

120 teams were shortlisted for the 2nd round of mentoring support by the technical experts from Edunet Foundation. Out Of these, 51 teams who were mentored showcased their project ideas at the semi-final round held on 17th & 18th March resulting in top 25 teams making it to the final showcase event that was held on 28th of March 2023 organized at the campus of Gujarat Technological University, Ahmedabad.

The final round presentations were judged by the experts from SAP India, Gujarat Technological University, Tata Consultancy Services, Spark to Ideas and Silver Touch Technologies.

Out of the 25 enthusiastic teams from 17 institutes across the state of Gujarat who presented their project ideas, 3 teams were declared the top performers.

Second runner up title was secured by the team from GIDC DEGREE ENGINEERING COLLEGE, NAVSARI comprising of Harshit Rajput, Dev Dange, Yashvardhan Patil and Drushti Sonawane who showed an SOS Provision for Violent Crime using the AI based technology as part of their project presentation.



EVENTS ORGANIZED @GDEC

ONE DAY SEMINAR WORKSHOP OF SOLIDWORK

Mechanical Engineering Department organized 1 day seminar workshop of Solidwork for 3rd year students on 4th March 2023. Seminar was conducted by Khodiyar CAD Center India Pvt. Ltd. Surat. The Overview of the solidwork was first discussed by the expert and then hands on practice was carried out for modeling. Around 50 students of Mechanical Engineering Department were participated in 1 day seminar workshop.



EXPERT LECTURE ON PROBLEM SOLVING TOOLS

Mechanical Engineering Department organized expert lecture on “Problem Solving Tool” for the 2nd year students of Mechanical Engineering Department on 13th April 2023. The theme of the lecture was for the subject “Mechanical Measurement and Metrology” from 4th Semester Mechanical Engineering.

Mr. Manish Chauhan (Corporate HR of NHB Ball & Roller Ltd, Amalsad, Navsari) was the speaker of the session. To give industrial touch to student’s knowledge about limit, Fits and Tolerance and different techniques used in Industry. Dr. D. C. Patel, Head of Mechanical department has introduced and welcomed Mr. Manish Chauhan, corporate HR, NHB with bouquet and college memento. Mr. Manish Chauhan introduced the students with problem solving tools in industries. He had covered following problem-solving tools: PDCA cycle, 5 Why technique, Fishbone technique, FMEA and Brain Storming Technique. Total 54 students of 4th Sem Mechanical Branch were present during the session.



EVENTS ORGANIZED @GDEC

AWARENESS PROGRAMME FOR GATE EXAM PREPARATION

Mechanical Engineering Department organized “Awareness Programme for GATE exam Preparation” for 2nd year students of Mechanical Engineering department on 15th April 2023. Mr. Mukesh Rai (Master Trainer, ACUMEN GATE ACADEMY) was the speaker of the session. GATE (Graduate aptitude test in Engineering) exam is a national-level test organised for aspirants who want admission to Master’s programmes or postgraduate engineering (ME/ M.Tech) or analysis courses at top institutes in India such as IITs, NITs, IIITs, etc.. It is also arranged a screening test for various engineering and science jobs in the public sector undertaking in India. The motive of the seminar was to motivate and career awareness through GATE exam for 4th Semester Mechanical Engineering. Dr. D. C. Patel, Head Mechanical has introduced and welcomed Mr. Mukesh Rai, Master trainer at acumen gate academy with bouquet and college memento. Mr. Mukesh Rai addressed the students for GATE exam for the following key points, Exam Eligibility criteria, Exam syllabus/ subjects and patterns, Benefits for master Programme in M. Tech, MBA and overseas study and Benefits for PSU jobs. Total 42 students of 4th Sem Mechanical Branch were present during the session.



GDEC YOGA CLUB ORGANIZED EXPERT SESSION ON “HEALTHY DIET FOR HEALTHY LIFE”

GDEC Yoga club organized expert session on “Healthy Diet for Healthy Life” on 11th May 2023 for the students. Dr. Charmi Shah (Diabetic Reversal Health Coach & Clinical Nutritionist Gold Medalist (Fit Bharat Mission)) shared valuable knowledge regarding health and diet with participants. Event was coordinated by Prof. Bharat Gajera, Prof. Dharmik Patel and Mr. Hemanshu Pate. Around 120 students and Faculty participated in seminar.



EVENTS ORGANIZED @GDEC**NATIONAL LEVEL TECH-FEST UDAAN-2023**

National Level Tech-Fest UDAAN Sky has no Limit -2023 a Technical Event took place in GDEC on 17th & 18th ,March 2023 at GIDC Degree Engineering College (GDEC).During this festival, students from various engineering colleges actively participated. The tech fest had several technical and non- technical events along with many fun filled games and stalls.

In these 2 days the technical events included – Expert speech on technical topics in each department, Innovative Prototype Development, Sherlock, Mech-Mania, Electro-Extreme, Autokriti, Technical Paper Presentation, Robot Race etc. while non-technical events were treasure hunt, Lan game, Lazer maze etc. All the events were a huge success with active participation of students from various colleges. There were also few games which was a huge attraction for everyone. In this event more than 800 participants from institute as well as outside the institute participated enthusiastically.

The Chief Guest Jatin Mehta Chief executive Officers, Vapi Green Enviro Ltd. encourage the student for right use of technology for the progress in their life.The Guest of Honour Mr. Keshav Khernar Head of the Power plant Navsari, Head of the Power plant emphasis on quality of education and encourage them to come out of defined circle by innovation.The Guest of Honour Dr. Harnish Naik Owner Synergy Navsari, advised to follow the path of hardwork than there is no need of motivational speech for success.



EVENTS ORGANIZED @GDEC

GUNJ-2023

GIDC Degree Engineering College celebrated 11th GDEC Annual Festival from 24 March 2023. The chief guest for the program was Dr. Karan Vaghela (SP Navsari). He shared his college memories with the students. He guided and motivated students for various competitive exams. Students participated in events like Dance, Garba, Music, Drama, Rangoli, Mehndi, Art, Sketching, Photography, etc. Event was graced by the presence of various dignitaries. This event provides a platform to the students for expressing their talents which are far apart from their studies. Talented students of college enthralled the audience with their performances and the atmosphere was charged up by their youthful presence.

AIKYAM-23

An Annual sports meet of GDEC was celebrated on 20th to 23rd of March. The Total 13 number of events was organised by faculty of sports for students. An outdoor games are cricket, football, volleyball, handball, tug of war, kho kho, Kabaddi, strongest man and women. An indoor games are chess, carrom, badminton and table tennis. To make the event successful, Faculty of various departments also including with total 115 number of student co-ordinators. Total number of students participants of various games were 707.



WOMEN DEVELOPMENT CELL (WDC) ACTIVITIES

ONE DAY NATURE CAMP

Nature camp was arranged under Women development cell (WDC). Around 16 female staff had participated in this camp. Camp was designed with the theme “Fit India”. An initiative taken by Government of India. Also fulfilling the aim of developing the spirit of adventure in a credit and fondness towards nature. The one day Adventure camp was held at Vanvaso Nature Campsite at Saputara. The journey started on Saturday 4th March 2023 all-female staff reported to the Nature Campsite at 9:30 am.

The basic structure of the camp being nature trails punctuated with spaces for reflection through nature games and activities. The campsite had different and unique types of plants. They were introduced and given information about all of them by the head of the Nature campsite. The campsite had very peaceful and earthly nature to it, one could feel close to nature there. It had many different kind of adventure activities like Cammondo Bridge and watch tower even fun activities like seesaw, swing and slide. Demo for how each activity should be performed and the safety measures to be taken while performing them were given to all. The activities really challenged the Staff to give their best and push their limits to greater heights. It also thought them the importance of physical fitness. The campsite was gifted with a pool which was surely the most fun activity for all the staffs. They have played volleyball in the pool. The campsite had a big canteen area to have lunch. As the motto of WDC is Unity and Discipline, All the staff have surely learned the meaning of Unity there. This camp allowed them to have a stronger bond with every other. Departure time from the venue was 4:30pm. It was a wonderful experience.



WOMEN DEVELOPMENT CELL (WDC) ACTIVITIES

EXPERT SESSION ON SELF DEFENCE FOR GIRLS/FEMALES BY INNERWHEEL CLUB OF NAVSARI

Women empowerment is very necessary to make the bright future of the family, society and country. Women need fresh and favourable environment so that they can take their own right decisions in every area whether for themselves, family, society or country. Self-defence program was organized on 07th March, 2023 for all the Girls students and female staff. Self-defence provides women with personal power and skills that may help prevent future violence and abuse. With this GIDC Degree Engineering has made a significant footstep towards women empowerment. Under the guidance of expert trainer Ashvin Barot (Founder/Chief Trainer & Patron : Indian civilian reserved defense force (I.C.R.D.F)), college successfully organized self-defence training, which was designed to “help women identify their risks and evaluate their strengths, and to explore their options for dealing with the threat of violence.”

All the co-ordinators supported the event with great enthusiasm which lead to the gain of awareness for various karate activities among all the girls students and female staff of the college. With this GIDC Degree Engineering has made a significant footstep towards women empowerment.

ઈનરવ્હીલ ક્લબ નવસારી દ્વારા સેલ્ફ ડીફેન્સ સેમીનાર યોજવામાં આવ્યો



૪૮૫૮ ન્યુઝ નવસારી તા. ૧૦ જી. અ. ઇ. ટી. સી. પ્રેન્સીપલ કોલેજ, અબ્રામામાં તા.૦૭-૦૩-૨૩નાં રોજ સ્વચ્છ અર્થે સેલ્ફ ડીફેન્સ બંને સેમીનાર કોલેજની ડાક્ટ્રાઓ માટે યોજવામાં આવ્યો હતો. શહેરના જાણિતા લાઇફ ચેન્જર મોટીવેટર અને કરાટે ગ્રાન્ડ માસ્ટર શીલાન અશ્વિનભાઈ બારોટ દ્વારા કન્યાઓને સેલ્ફ ડીફેન્સ ગુડ ટચ-બેડ ટચ વગેરેનું સુંદર માર્ગદર્શન આપવામાં આવ્યું હતું. કલ્પ પ્રસીડન્ટ અંજના નાયક, સેક્રેટરી નુતન શાહ, સીસી પીટીસી બીનાબેન દેસાઈ, કલ્પ મેમ્બર દિનાજ પટેલ તથા અન્ય બહેનોએ હાજર રહી કન્યાઓનો ઉત્સાહ વધાર્યો હતો.



WOMEN DEVELOPMENT CELL (WDC) ACTIVITIES

GDEC FINE AND ARTS CLUB MEHNDI COMPETITION UNDER WDC

The GIDC Degree Engineering College organised a Mehndi competition on the college premises on Tuesday 21st March, 2023 under Women Development cell(WDC) with the help of GDEC Fine and arts club. Students of all the semester of Engineering participated with enthusiasm. They created beautiful designs on different themes. Irrespective of the exposure and experience, they adorned their hands with mehndi designs which helped them boost their confidence in the art. The competition was held under the direction of Prof. Dharmik Patel and Prof. Hemina Patel. Students and all the faculty members were present in this competition. Ms. Jigna Desai (Fac. Admin dept), Priyanka Kher(GDEC Librarian) and Divya Patel(Fac . ASH dept) were the judges in the competition.



GDEC FINE AND ARTS CLUB RANGOLI COMPETITION UNDER WDC

Rangoli is an ancient art and timeless tradition that is followed all over India. The word „Rangoli“ is said to have been derived from the words „rang“ and „aavalli“ which refers to a row of colours. Rangoli is a fabulous hand drawing art, originating in the Indian subcontinent, in which patterns are created on the floor using materials such as colours, diyas, flower petals, glitters etc. It is a way to express imagination. “By organising such competitions, students are introduced to our Indian culture. At the same time, skills of aesthetics, creativity and innovation can be developed amongst them” The students of GDEC, participated with fervor in the Rangoli Competition under Women Development Cell (WDC) with the help of GDEC Fine and arts club on 22nd March,2023 in the college premises. In these days students must come to know the true culture of India and by conducting these kinds of events will certainly let them know the culture of India and more over skills of aesthetics, creativity and innovation can be developed amongst them. All the students participated with great zeal and enthusiasm.



TECHNICAL VISITS

INDUSTRIAL VISIT IN NAIK ENGINEERING, AMBHETA, NAVSARI.

Automobile Engineering Department, GDEC has organized an industrial visit for 3rd year students at NAIK ENGINEERING, Ambheta, Navsari on 2nd March, 2023. 15 students along with two faculty members, Asst. Prof. Ashish Jain and Asst. Prof. Mayur Jalanapurkar have visited. Students got technical knowledge pertaining to Farm Tractors, relative concepts of engine, systems, transmission lines, servicing and maintenance of Farm Tractors etc. during the visit. As a part of curriculum for the subject “Special Purpose Vehicles” in 6th Semester, the students are required to undertake Industrial Training and Technical Visits for Additional knowledge and implement theory knowledge practically.



INDUSTRIAL VISIT IN 3J THE BULLET SHOP, CHIKHLI.

Automobile Engineering Department, GDEC has organized an industrial visit for 3rd year students at 3J THE BULLET SHOP, Chikhli on 2nd March, 2023. 15 students along with two faculty members, Asst. Prof. Ashish Jain and Asst. Prof. Mayur Jalanapurkar have visited. Students got technical knowledge pertaining to Two Wheeler Vehicles, relative concepts of engine, systems, transmission lines, servicing and maintenance of Bullets, Yezdi, Yamaha, electric bikes etc. during the visit. As a part of curriculum for the subject “Vehicle Maintenance & Garage Practices” in 6th Semester, the students are required to undertake Industrial Training and Technical Visits for Additional knowledge and implement theory knowledge practically.



INDUSTRIAL VISIT IN GSRTC CENTRAL WORKSHOP, NARODA, AHMEDABAD

Automobile Engineering Department, GDEC organized an industrial visit to Gujarat State Road Transport Corporation (GSRTC) central workshop for 6th semester and 4th semester Automobile engineering students (20 students). Gujarat State Road Transport Corporation is a passenger transport organization providing bus service both within Gujarat and neighbouring states. GSRTC Workshop is managed by GSRTC and it is Asia’s largest bus body building workshop.



TECHNICAL VISIT

MADHUBAN DAM, SILVASSA

Prof. Jaldip Patel, Prof. Rajan Lad, Prof. Hemina Patel and Dr. Bhavin Patel organized one day technical visit on 27th February 2023 at Madhuban dam, Silvassa for 6th semester students of civil engineering department. The visit organized in prospective of 6th semester subject “Water Resources Engineering and Hydrology (3160610)”.



VAPI GREEN ENVIRO LTD.

Prof. Hemina Patel, Dr. Bhavin Patel, Prof. Jaldip Patel and Prof. Rajan Lad organized one day technical visit on 27th February 2023 at VAPI GREEN ENVIRO LTD. for 6th semester students of civil engineering department. The visit organized in prospective of 6th semester subject “Environmental Engineering (3160611)”.

TWO DAY TRAFFIC SURVEY

Prof. Rajan Lad and Prof. Krutika Chauhan organized Two day Traffic survey (spot speed survey & determination of signal timings at intersection) on 29/04/2023 and 12/05/2023 at Navsari near Luncikui ground and Bilimora near bili-naka for 6th semester students of civil engineering department. The survey organized in prospective of 6th semester subject “Traffic engineering and Management (3160615)”.



INDUSTRIAL VISIT AT 100 MLD DESALINATION PLANT, DAHEJ GUJARAT

Mechanical Engineering Department organized industrial visit at Dahej for 100 MLD Desalination Plant on 12th May 2023 for third year students of Mechanical Engineering Department. Around 25 students of Mechanical third year benefited from the visit. The Visit was coordinated by Prof. Daksh Tandel and Prof. Krunal Hathiwala.



TECHNICAL VISIT

ADANI PORT PVT. LTD. (HAZIRA)

The Electrical Engineering Department organized an industrial visit to Adani Port Pvt. Ltd. at Hazira (AHPPL) under the Project UDAAN by Adani Foundation. The main objective of this industrial visit was to encourage young would-be engineers to develop an interest in all sorts of enterprises and gain an insight into the engineering operations undertaken for the management and automation of a large-scale port. The visit was commissioned on 27th March 2023. A total of 49 students of B.E. II (Electrical Engineering) benefited from the visit. The students were accompanied by faculty members Mr. Bhavin S Trivedi 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 (ADTPS)

The industrial visit was organized for Department of Electrical Engineering students to learn about different sections of a thermal power plant and practically observe the concepts they have learnt in theory. Adani - Dahanu Thermal Power Station (ADTPS), consisting two units of 250 MW, is one of the best power generation plants in the country, which commenced its commercial operations in January 1996. Recognized within numerable awards, this power plant is known for its distinctive features that set it apart from others in terms of technological innovation, superior performance and continuous sustainability for a longer period. Adani - Dahanu Thermal Power Station has implemented integrated management systems (IMS) in its processes and is certified for quality management, environment management, occupational health and safety assessment studies, social accountability management, information security management, energy management and accreditation for ADTPS coal testing laboratory. The visit was commissioned on 7th February, 2023. A total of 37 students of B.E. IV (Electrical Engineering) benefited from the visit. The students were accompanied by faculty members Prof.. Rohit B Damor, Prof. Khyati Naik and Prof. Ankur Deasai. This visit was planned under the guidance of Dr. Rakesh J Motiyani, H.O.D. of the Electrical Engineering Department.



ESTABLISHMENT OF STANDARDS CLUB AT GDEC

The Standards Club's idea is initiated by Bureau of Indian Standards, which will carry out a variety of programmes involving students, providing them opportunities for creativity, quality and standardization. BIS intends to support such activity by providing learning opportunities to young talents in the field of quality and standardization through mutually beneficial collaboration in the form of Standards Clubs in Educational Institutions. Standards Clubs in Educational Institutions are to help improving the learning experience of students and provide opportunities to better their professional and personal growth.

GIDC Degree Engineering College aims to produce well-rounded and ethical professionals. To this end, the institute has established the Standards Club in the department of Automobile Engineering, Civil Engineering, Electrical-Computer Engineering, and Mechanical Engineering which will promote and uphold standards of professional conduct, ethics and excellence amongst students.

For Establishment and Inaugural of "STANDARDS CLUB" at GDEC on 22/06/2023, the chief guest of the event was SHRI SATYENDRA KUMAR PANDEY, Scientist D & Joint Director, Surat Bis Branch Office. The event started with floral welcome and felicitation, then the address of Prof. (Dr.) H.S.Patil, Principal, GDEC who shared the concept of opening the Standards Club in GDEC, then SHRI SATYENDRA KUMAR PANDEY shared his valuable experiences and given the very relevant examples of standards we come across in our daily lives without even knowing them and motivated the participants with the invaluable knowledge.

More than 100 students from Mechanical, Electrical, Civil, Automobile, and Computer engineering department of GIDC DEGREE ENGINEERING COLLEGE have actively attended the interaction session.

The primary objectives of establishing the Standards Club are:

- To create awareness among students about the importance of industry standards in engineering.
- To provide a platform for students to explore and discuss various standards, codes, and practices relevant to the field.
- To enhance students' technical knowledge and skills by organizing workshops, seminars, and guest lectures by industry experts.
- To encourage students to actively participate in research and development activities related to standardization in engineering domain.
- To establish collaboration with industry professionals and organizations to bridge the gap between academia and industry practices.



Sr No	Department Club	No of member	Faculty Mentor
1	Automobile Engineering	11	Prof. Ashish jain
2	Civil Engineering	29	Prof. Sunil Jaganiya
3	Electrical-Computer Engineering	56	Prof. Dhaval Patel
4	Mechanical Engineering	28	Dr.Hariketana Patel

STUDENT ACHIEVEMENTS

- Team of Yashvardhan Patil, Dev Dange, Rajput Harshit, students of 3rd Year Computer Engineering department has been selected as a Winner in the “Hackathon” event held in “EKATRA - A National Level Techfest” at Laxmi Institute of Technology on 20th and 21st April, 2023.
- Team of Govind Sinh Rajpurohit, Ritik Pandey, Sagar Parmar, students of 3rd Year Computer Engineering department has been selected as a First Place Team in the “Hackathon” event held in “Hacktivate 2k23” at JIMS Engineering Management Technical Campus, Greater Noida on 5th and 6th May, 2023.
- Rishi Naik, Student of 1st Year, Computer Engineering department selected for the Reliance Inter-District Men U-19 multi-day cricket tournament-2023, organized by Gujarat Cricket Association (GCA).
- Jaynesh Sondarva of Automobile Engineering Department Selected For The Internship At Defence Research and Development Organisation (DRDO), Pune



FACULTY ACHIEVEMENTS

PAPER PUBLISHED

- Prof. Ankit K. Patel and Prof. Sunil R. Khokhar had published a paper on “Construction and Design of Safer Braking systems for Automatic Transmission” in the Indian Journal of Natural Sciences (ISSN: 0976 – 0997), Vol.13 (Issue-76), Pg. 15231-15236 with Impact Factor 2.452 in February 2023.
- Prof. Ashish Omprakash Jain, Assistant Professor of GIDC Degree Engineering College has published a paper entitled “Oil Processing Machine” with Design No. 367358-001, class 15-99, in The Patent Office Journal No. 11/2023, dated 17/03/2023 Page 27620, in March 2023.
- Prof. Ketan K. Lad has published “Chapter: Continuous Blood Glucose Monitoring Using Explainable AI Techniques” In Mehul S Raval, Mohendra Roy, Tolga Kaya& Rupal Kapdi (Editors) Book: Explainable AI in Healthcare: Unboxing Machine Learning for Biomedicine. CRC press, newyork. Doi: <https://doi.org/10.1201/9781003333425>.
- Prof. Ankurkumar Pramodbhai Desai has published a research article on "Design and Analysis of High Gain DC to DC Converter" in the 2023 IEEE Renewable Energy and Sustainable E-Mobility Conference (RESEM) organised at Maulana Azad National Institute of Technology, Bhopal, from May 17–18, 2023. The conference is sponsored by the IEEE MP Section.

SUBJECT EXPERT

- Prof. Toral V. Patel was invited as Subject Expert for University Interview of Faculty selection at BVPIT, Umrakh-Bardoli in May 2023.

PATENT

- Dr. D. C. Patel has registered a design patent for a “Fixture for estimating tensile properties of adhesive”, Design Number: 374457/001.
- A Design Patent with the Title “Fixture for lap joint bonding” by Dr. D. C. Patel, has been successfully accepted.

FACULTY ACHIEVEMENTS

INDUSTRIAL TRAINING

- Prof. Ashish Omprakash Jain, Assistant Professor of GIDC Degree Engineering College has successfully completed Industrial Training of 3 Months at Shree Laxmi Brightbar Mfg., Padgha-Navsari from November, 22 to June, 23.

E-COURSE

- Prof. Ashish Omprakash Jain, Assistant Professor of GIDC Degree Engineering College has participated & completed successfully NPTEL-AICTE (Funded by the MoE, Govt. of India) 4 Weeks Online Certification Course on "Patent Drafting for Beginners" organised by IIT-Madras during Jan-Feb, 23 and scored 63% Elite Certification.
- Prof. Dhruvang Gayakwad has attended one week Short Term Course on "EV Charging Technology and Infrastructure Development" (EVCTID-2023) organized by Department of Electrical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat from 30th March 2023 to 3rd April 2023.
- Prof. Hitesh Rana successfully completed NITTT module 6: Student Assessment and Evaluation.
- Prof. Dharmik Patel successfully completed NITTT module 3: Communication Skills Modes & Knowledge Dissemination and Module 4: Instructional Planning and Delivery.

RESEARCH PAPER REVIEWER

- Prof. Ankurkumar Pramodbhai Desai has reviewed the manuscript that has been submitted to the Journal of the Institution of Engineers (India): Series B in the month of April-2023.

Ph.D. AWARDED

Prof. Hariketan B. Patel awarded with the degree of "Doctor of Philosophy" (Ph.D) of Gujarat Technological university, Ahmedabad under the guidance of Dr. H. S. Patil.

Title of Thesis:

- Tribological Performance Based Machinability Investigations on Ceramic Cutting Tool Material



GIDC Degree Engineering College
Joint Venture of Govt. of Gujarat & GIDC Managed by GIDC Education Society, Gandhinagar
 PPP Mode Institution, Approved by AICTE & Affiliated to Gujarat Technological University



Congratulations



Prof. Hariketan B Patel,
Mechanical Engineering Department

Awarded with the Degree of
"Doctor of Philosophy" (Ph.D)
 of Gujarat Technological University, Ahmedabad
 Under The Guidance of Dr. H.S. Patil.

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

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FACULTY ACHIEVEMENTS

FDP/STTP/WEBINAR/SEMINAR/WORKSHOP ETC

- Prof. Ashish Omprakash Jain, Assistant Professor of GIDC Degree Engineering College has participated & completed successfully NPTEL-AICTE (Funded by the MoE, Govt. of India) 4 Weeks Online FDP on "Patent Drafting for Beginners" organised by IIT- Madras during Jan-Feb, 23.
- Prof. Sunil R. Khokhar, Assistant Professor of GIDC Degree Engineering College has participated & completed successfully 3 days Online FDP on "Recent Advance Manufacturing Trends" held during 15th March to 17th March 2023 organised by DKTE Society's Yashwantrao Chavan Polytechnic, Ichalkaranji.
- Prof. Toral V. Patel and Prof. Kenal D. Tandel, Assistant Professors of GIDC Degree Engineering College has participated & completed successfully One Week Online FDP on "Research Awareness: Publication Database and Journal Selection" organised by Gokul Global University from 26th June to 30th June '23.
- Prof. Sunil V. Jaganiya 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 & Indian Concrete Institute- Ghaziabad Centre on March 4, 2023.
- Prof. Sunil V. Jaganiya attended the Webinar on " High Strength Fiber Reinforced Concrete - Its Behavior and Application" by Er. Brijesh Singh, Group Manager (Scientist D), Programme Leader-Construction Technology & Management-I, NCB-Ballabgarh, Haryana, India, on April 15, 2023.
- Prof. Sunil V. Jaganiya attended the Webinar on "Common Causes of Distresses in the Concrete Bridges" by Er. G. K. Sahu, Chief Scientist, CSIR- Central Road Research Institute, New Delhi, on April 8, 2023.
- Prof. Sunil V. Jaganiya attended the Webinar on "Expansion Joints and Bearing of Bridges" by Er S. S. Gaharwar, Chief Scientist & Former Head, Bridge Engineering & Structures Division; CSIR-Central Road Research Institute, New Delhi, on March 25, 2023,
- Prof. Sunil V. Jaganiya attended the Webinar on "Constructing High Performance Concrete Floor & Suitable Treatment for Performance Enhancement" by Mr. Susanta Kumar Mallick, Head- Flooring and Business Development of TremcoCPG India Pvt. Limited, Mumbai , on March 11, 2023.
- Prof. Sunil V. Jaganiya attended the Webinar on "Construction of 440m Long Dobra Chanthi Suspension Bridge" by Er. S. K. Rai, Retd. Superintending Engineer, PWD Uttarakhand, on December 31, 2022
- Prof. Krutika Chauhan had successfully attended a webinar on "Modern assessment Tools for Di-Risking of project Cost" organised by Ultra Tech Cement Ltd. on 4th March, 2023.
- Prof. Mittal Wadia 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 & Indian Concrete Institute- Ghaziabad Centre on 4th March 2023.
- Prof. Ankurkumar Pramodbhai Desai attended the online webinar on "In-sensor monitoring with intelligent MEMS sensors".
- Prof. Dhruvang Gayakwad has attended 6 days Workshop on Emerging Trends, Challenges and Opportunities in Wireless Charging of Electric Vehicles organized by Electric Vehicle Charging Research Centre, Department of Electrical and Electronics Engineering, SRM Institute of Science and Technology, Kattankulathur from 20.02.2023 to 25.02.2023

FACULTY ACHIEVEMENTS

EXPERT LECTURES

- Prof. Ashish Omprakash Jain, Assistant Professor of GIDC Degree Engineering College has delivered an expert talk along with Dr. D. C. Patel on “Career Awareness Program” for 12th Science students of SETT RJJ High School, Junathana-Navsari under SSIP organised by GIDC Degree Engineering College, Navsari on 23rd January 2023.
- Prof. Kenal D. Tandel delivered expert talk on “Basics of Control System and Sensors in Robotics” at Automobile Engineering Department, GIDC Degree Engineering College, Navsari on 3rd February 2023.
- Prof. Ashish Omprakash Jain, Assistant Professor of GIDC Degree Engineering College has delivered an expert talk on “Industry 4.0” for 6th semester students at Automobile Engineering Department, GIDC Degree Engineering College, Navsari on 4th February 2023.
- Prof. Ashish Omprakash Jain, Assistant Professor of GIDC Degree Engineering College has delivered an expert talk on “Special Purpose Vehicles” for 6th semester students at Automobile Engineering Department, GIDC Degree Engineering College, Navsari on 4th March 2023.
- Prof. Kenal D. Tandel was one of the speakers on “Career Awareness Program” for 10th & 12th pass students organised by Shree Nayaka Samaj Seva Mandal, Amalsad on 30th April 2023.
- Prof. Dharmik Patel delivered an expert lecture on “Design of Shell and tube Heat Exchanger” for Mechanical Engineering student on 28th April 2023.
- Prof. Krunal Hathiwala delivered an expert lecture on “Pulsating Heat Pipe” for Mechanical Engineering student on 3rd April 2023.
- Prof. Mitesh Patel delivered an expert lecture on “Introduction to PV Elite software” for Mechanical Engineering student on 2nd May 2023.
- Prof. Arjun Patel delivered an expert lecture on “Facility Layout Techniques” for Mechanical Engineering student on 4th June 2023.