

Resonance@GDEC

75th Independence Day Celebration



75th Independence Day was celebrated with great pride and honour. Shri. Sanjay I. Desai was invited as a chief guest on the occasion. Honourable Principal, Dr. Neeraj D. Sharma has given a speech on the occasion of Independence day. All teaching and non-teaching staff as well as students were present.



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GDEC Team

Prof. Dr. Neeraj D. Sharma,
Principal

Prof. Dr. Hiralal S. Patil,
Head, Mechanical Engg. Dept.

Prof. Dr. Shailesh S. Patil,
Head, Applied Sci. & Huma. Dept.

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

Prof. 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. Archana M. Nayak
- Prof. Bhumika H. Patel
- Prof. Kushal D. Patel
- Mr. Nilesh G. Patel

Student Achievement

Computer Engineering Department

- Following student of Computer Engineering Department had secured 1st Position in GTU Intercollege Taekwondo Tournament during GTU Sport Festival Spirit-2021
 - Dev Patel (74 kg to 80 kg weight category)
 - Dev Dange (63 kg to 68 kg weight category)
- Dev Dange, student of Computer Engineering Department, had secured 2nd Position in GTU Intercollege Cross Country Championship during GTU Sport Festival Spirit-2021.
- Kushal Potdar, Student of Computer Engineering, played for Bilimora Football Club and Navsari Football Club at Rajkot. Navsari District Football Association (NDFA) had organized a Football Selection Camp at Bilimora Football ground. Several teams took part and 16 players were selected from 10 different teams and he was selected for the Gujarat SFA Seniors Men's Team which was held at Race Course Ground, Rajkot.

Electrical Engineering Department

- Electrical Engineering Department Student, Rana Rinkal is selected for internship under "CSIR Diamond Jubilee Research Intern Awards" at CSIR-CSIO, Chennai Unit on consolidated stipend of Rs. 24,000/-PM.



Principal Message

This was also a challenging year and ever since the mid of the year, being together with colleagues and co-workers, reconnecting, establishing new connections, the feeling of community was profound. It has encouraged me hopeful and looking forward to the next academic terms and inspired to move further in a year.

I would like to congratulate to passed out students as well as technocrats of institute for their best career and future. It is fact that education fraternity has also been affected during last two and half years due to unexpected ingress in lives of all of us. Although many alternatives of delivering education have been come forward on surface to support and continue education but as such tools , techniques were new for our conventional education system so many of beneficiary have taken its advantage effectively somewhere it could show its benefit with limited extent. Especially students are not that much equipped as well as habituated with online education which has also caused somewhere hindrance in education flow during this tenure , despite of this our institute has managed nicely the academics as well as all allied work engagement for that I would like to express my appreciation to staff members and also to management as they have also supported whenever and wherever necessary to maintain academic ecosystem.

Institute has also started its one of the most dignify undertaking in the direction of getting accreditation various departments of institute in coming time. Its really full attention seeking, dedicated task which institute and its departments are following earnestly. One of the attempt has also been implemented to get digitalized the institute routine academics and allied consideration by introducing Student ERP system which hopefully would make streamline and uniform many of the essential tasks of the institute. In line of university instruction and following to its guidelines final year students would carry out their internship with various industries which will definitely enhance their outcomes as well as boost them for reducing the gap between theory and practical teaching learning.

With previous couple of months one versatile view has been observed in institute to implement outcome based education and auditing the attainability of teaching learning system in students to make them efficient in their capacity building as well as to develop robust quality based education system in campus. I am sure that successful implementation of this would establish guide stone of teaching learning quality in institute.

I wish all endeavours of institute, staff members and students would colour the institute with shine of success and holistic development of students.

Dr. Neeraj D. Sharma

Dynamic Management

Name of the Member	Designation in the GES	Current Position/Organization
Shri M. Thennarasan, IAS	Chairperson	Hon. Vice Chairman & Managing Director , GIDC, Gandhinagar
Shri B. C. Warli (B.E Civil)	Member Secretary	I/c. Director (Notified Area), I/c. Chief Engineer & Superintending Engineer (Public Health) & I/c. Superintending Engineer (Project) GIDC, Gandhinagar
Shri Ashok G. Dhodi	Member	I/c. Superintending Engineer-Surat
Dr. V. S. Purani (M.E Civil, Ph. D.)	Member	Principal, GEC, Valsad
Smt. Harshaben H. Naik (Bachelor of Arts with Economics)	Member	Social Worker and Ex Chairperson, Gujarat Women Economic Dvelopment Corporation LTD., Govt of Gujarat.
Shri. Sanjay I. Desai(B.E. Civil)	Member	Syndicate Member, VNSGU, Surat & Consulting Engineer
Shri Hiren R. Vepari Chartered Accountant (CA)	Member	Practicing Chartered Accountant
Ar. Shivarao R. Channapattan B.Arch., M.Arch(Urban Design, CEPT, Ahmedabd), M.Sc. (City design & Social Science, London School of Economics, UK)	Member	Architect, Ex-Associate Professor at VNSGU, Surat

Placement Drive organized by Sahajanand Medical Technologies Ltd.

Sahajanand Medical Technologies Ltd. organized placement drive at GIDC Degree Engineering College on 7th December, 2021. Students of the Mechanical Engineering department have participated in this placement drive. This placement is very helpful for candidates from various region of South Gujarat.

Placement Update

Sr. No.	Name of Organization	Student Name	
Computer Department			
1.	Astound Commerce India Private Limited, Mumbai	Shivshankar Shukla	
2.	1 Rivet	Sana Mohammad Arif Moosa	
3.	Goldenmace it solutions	1. Twinkle Rana 2. Lubna Shaikh 3. Hritik Pandey 4. Shivkant Shukla 5. Nidhi Rudani 6. Harsh Dudhat 7. Meet Kahar 8. Devyani Solanki	9. Vaksha Tandel 10. Hardik Patel 11. Dwani Tailor 12. Priyanshu Tandel 13. Patel Manish 14. Bhaskar Nisad 15. Harshit Rajput
4.	Xcellence-IT	1. Kushal Potdar 2. Adarsh Dubey 3. Drashti Patel	4. Yogesh Bagul 5. Harshil Patel 6. Shailesh Prajapati
5.	1 Rivet	1. Jigish Contractor 2. Hetvi Bharatkumar Patel 3. Ruchi Kansara	
Mechanical Department			
1.	Sona Extrusion Pvt. Ltd.	1. Patel Priyankumar Manishbhai	2. Hetul Hasmukhbhai Patel
2.	HLE, maroli	1. Patel Vishalkumar Mukeshbhai	2. Kevin Ahir
3.	Naranlala Pvt Ltd	1. Mehta Harsh Rajeshkumar	2. Jigar Dipakbhai Patel
4.	Jinal Engineering, Vejalpore	Dharmang Patel	
5.	Emmbi Industries Ltd, Silvassa	Arya Manish Jaysinh	
6.	SML Films Limited, Ichhapore, Hazira Road	Piyush Prajapati	
7.	Flair luminaries (Panasonic subsidiary in Damman)	Prajapati Ridhamkumar Harshadbhai	
8.	Shanti Krupa Sales	Sachin Patel	
9.	Hilti	Aiyar Nidhi	
Electrical Department			
1.	Sanket power systems, Sachin-Surat	1. Rana Rinkal Anilkumar 2. Patel Mukund Manharbhai 3. Patel Dhaval Umeshbhai 4. Bhoga Venkatesh Shriharibha 5. Desai Dhairya Jiten	6. Dhimmar Hardik Vinodbhai 7. Patel Meet Mukeshbhai 8. Patel Riya Umeshbhai 9. Patel Panthi Bharatbhai
2.	Narayanlala Pvt. Ltd	Patel Jigar Maheshbhai	
3.	Hilti Manufacturing India Pvt. Ltd	Dishant Umeshkumar Patel	

Industrial visit

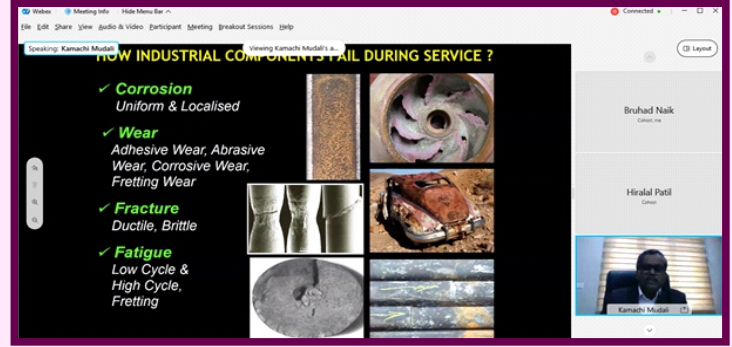
J P Ice Factory, Laxmi cine Magic and Himganga Cold Storage

On 29th October, 2021, 20 students of 7th semester of Mechanical Engineering Department visited J P Ice Factory, Laxmi cine Magic and Himganga Cold Storage Navsari. The visit was coordinated by Prof. Daksh R. Tandel, Prof. Bruhad S. Naik and Prof. Akash A. Patel. The visit became very useful for students to enhance the knowledge of their subject Refrigeration and Air Conditioning.



FDP on “Metallurgical Testing and Failure Analysis of Metals”

Mechanical Engineering Department organized 1 week FDP on “Metallurgical Testing and Failure Analysis of Metals” during 13th – 17th September 2021, Sponsored by ATAL Academy, Bhopal.



Expert Talk on "PLACEMENT AFTER GRADUATION"

Training and Placement Cell organized an online session on "Higher Study Guide to Canada for International Students" delivered by experts on Saturday 10 July 2021.

College is going to tie-up with Larsen & Toubro (L &T) and under their CSR activity L &T is going to setup Digital Hub Centre at GIDC Degree Engineering College. This Hub will facilitate value added courses enhancing skills to deliver industry ready students.

Seminar on "Cyber Security Awareness"



One day seminar on Cyber Security awareness was organized by Computer Engineering Department. Mr. Abhash Singh from FUAI TECHNOLOGIES, Valsad was invited as an expert. He has worked with Silvassa Police for solving many cybercrime case. In this session he explained various precautions that should be taken while using social media as well as digital transaction. Furthermore, he explained various

kind of hacking doing by hackers. Students from computer Engineering department had participated in this session enthusiastically.

Voter awareness program

GIDC Degree Engineering College has successfully conducted a Voter awareness campaign on October 13, 2021.

The program was organized under the guidance of Hon'ble Deputy Mamlatdar Shri Jignesh Patel and Hon'ble deputy mamlatdar Mrs Smita Chaudhary from Collector Office, Navsari. In this program, first year students of each branch participated.

During the program, information about the National Voter Services Portal (website) www.nvsp.in and regarding the voter helpline app was delivered. Honorable Deputy Mamlatdar Shri. Jignesh Patel and Honorable Deputy Mamlatdar Smt. Smita Chaudhary addressed students' questions and suggested steps for new voter card (epic card) applications as well as how to update their voter details online through service portals or apps.

The program was organized by Prof. Sunil Khokhar, Prof. Bhavin Trivedi, Prof. Bharat Gajera, Prof. Kushal Patel, Prof. Jaldeep Patel and Mr. Darshan Shukla.



FDP/Webinars/Conferences/STTPs/Workshop/Course Attended/Participated

Faculty Name	Event Name	Organized By	Organized Date/s
Civil Department			
Prof. Vikunj Tilva	Design, Technology and Innovation	Swayam MOOC course	
Prof. Nilesh R. Parmar	Advances in Special Civil Engineering Structures and Materials (ASCESM-2021)	Civil Engineering Departments of Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat, (Gujarat) and Madan Mohan Malaria University of Technology (MMMUT) Gorakhpur (Uttar Pradesh)	9th - 13th March, 2021
Prof. Hemina Z. Patel	Structural Equation Modeling on Smart-PLS		10th - 12th July, 2021
Prof. Vikunj Tilva	Advances in Earthquake Engineering	LBS College of Engineering, Kasaragod	26th - 30th July, 2021
Prof. Nilesh R. Parmar	Evolution of Reinforced Concrete Design Philosophy from IS 456-2000 to IRC 112-2140	Department of Civil Engineering NITTRK	28th August, 2021
Prof. Vikunj Tilva	Fundamentals of Geotechnical and Structural Engineering for Sustainable infrastructural Development	Government Engineering College, Dahod	30th August - 3rd September, 2021
Prof. Nilesh R. Paramr	Microstructural characterization techniques and mix design of special concrete	CSIR-SERC Chennai	15th -17th September 2021
Prof. Hemina Z. Patel	Current State of Arts: Smart Cities and its challenges with an Indian scenario	Parul University jointly with L&T - S&L, NASSCOM, NIRVEDHA-Tech	6th December, 2021
Prof. Krutika Chauhan	Condition Survey Monitoring and Rehabilitation of Multi-Storeyed Building	Ultra Tech Cement Ltd.	18th December, 2021
Computer Department			
Prof. Brijesh Patel	Sensor Technology In Lifestyle Enrichment	Easwari Engineering College and AICTE Training And Learning (ATAL)	2nd - 6th August, 2021
Prof. Kushal Patel	Technology Trends in Smart City	Indian Institute of Management Kashipur and AICTE Training And Learning (ATAL)	9th - 13th August, 2021
Prof. Kushal Patel	Teacher Workshop on Assessment for Speaking	Society for Creation of Opportunity through Proficiency in English (SCOPE)	6th September, 2021
Automobile Department			
Prof. Ashish Jain	Tools and Software for Researchers	Department of Computer Science and Applications, Sri Sathya Sai College for Women, Bhopal	17th August, 2021
Prof. Ashish O. Jain	How to Conduct the Student Induction (SIP) Program	All India Council for Technical Education (AICTE)	21st September, 2021
Prof. Ashish O. Jain, Prof. Mayur Jalanapurkar	Metallurgical Testing and Failure Analysis of Metals	GIDC Degree Engineering College, Abrama, Navsari and AICTE Training And Learning (ATAL) Academy	13th - 17th September, 2021
Prof. Ashish O. Jain	Alternative fuels : Biofuels	P D A College of Engineering, Kalaburagi and AICTE Training And Learning (ATAL) Academy	4th - 8th October, 2021
Prof. Ashish O. Jain	Developing Consciousness	Dayalbagh Educational Institute, Agra and AICTE Training And Learning (ATAL) Academy	26th - 30th October, 2021
Prof. Toral V. Patel, Prof. Ashish O. Jain, Prof. Ankit K. Patel	Alternative fuel	Government Engineering College, Modasa and AICTE Training And Learning (ATAL) Academy	22nd - 26th November, 2021
Electrical Department			
Prof. Jay R. Desai	Deep Learning & Computer Vision in Image & Video Data Analysis	EduxLabs(Esoir Business Solution LLP) in Association with E-Cell IIT Hyderabad	12th - 27th July, 2021
Prof. Ketan K. Lad	Applied machine learning, AI and its application using python	EduxLabs in association with E-cell IIT Hyderabad	9th - 24th August, 2021
Prof. Dhaval Patel, Prof. Ketan K. Lad	Solar Power for Electric Vehicle Charging Station	Gujarat Energy Research and Management Institute (GERMI)	10th - 14th August, 2021
Prof. Dhaval Patel, Prof. Ketan K. Lad	Deep Learning & Applications (Parallel Architectures)	Electronics and ICT Academies at IIT Guwahati, IIT Kanpur, IIT Roorkee, MNIT Jaipur, NIT Patna, NIT Warangal and PDPM IIITDM Jabalpur	23th August- 3rd September, 2021
Prof. Ankur P. Desai	How to conduct the AICTE student Induction Program (SIP)		20th September, 2021
Prof. Ketan K. Lad	Emerging Research Topics in Engineering 2021	IEEE Gujarat Section	1st - 3rd October, 2021
Prof. Ankur P. Desai	Embedded C for ARM Cortex M4 Microcontrollers	Electrical Engineering Department, SVNIT, Surat	25th -29th, October-2021
Prof. Ankur P. Desai	Creating firmware for Electric Motor Drive uses Auto Code Generation		9th November, 2021

Faculty Name	Event Name	Organized By	Organized Date/s
Prof. Dhruvang Gayakwad	Analytics of Power Systems		29th November - 3rd December, 2021
Prof. Bhavin Trivedi	Foundation of Electric Vehicle Technology	AICTE Training and Learning (ATAL) Academy	6th -10th December, 2021
Prof. Dhruvang Gayakwad	Micro Grid: Integration and Power Quality Issues	AICTE/ ISTE Refresher Program	7th - 13th December, 2021
Prof. Bhavin Trivedi, Prof. Khyati Naik, Prof. Dharmishtha Patel	Industrial Training on SCADA	EE department, Sigma institute of Engineering, Vadodara	

Mechanical Department

Prof. Akash A. Patel	Module 1: Orientation towards Technical Education and Curriculum Aspect	National Initiative for Technical teacher Training (NITTT)	February 2021
Prof. Hariketan B. Patel	Outcome Based Education and Accreditation	National Board of Accreditation, New Delhi and Education Department, Government of Gujarat for the Engineering Colleges and Universities in Gujarat	6th March 2021
Prof. Bharat H. Gajera, Prof. Hitesh C. Rana, Prof. Krunal A. Hathiwala, Prof. Dhaval S. Chaudhari	Metallurgical testing and Failure Analysis of Metals	GIDC Degree Engineering College Navsari and AICTE Training and Learning (ATAL) Academy	13th – 17th September, 2021

Achievement

Mechanical Engineering Department

- Department received grant of Rs. 5,04,900/- for research work on “Design and Development of Low-Cost Coriolis Meter” Under the Scheme for Supporting R & D in Emerging Fields of S & T on State Priority Areas under STI Fund from Gujarat Council on Science and Technology (GUJCOST), Department of Science Technology, Gandhinagar for 2 Years from April 2021.
- Department did consultant work for NARAN LALA PVT. LTD. Navsari on Pre-fabricated steel structure design as per ISB00 in STAAD PRO dated 29/08/2021 (Rs.50, 000).

Faculty Achievement

Automobile Engineering Department

Life Membership

- Prof. Ashish Jain has joined Centre for Education Growth & Research (CEGR) which is the leading and only education think tank in India, credited with four innovations; as a Life Member in October 2021.

Industrial Training

- Prof. Ashish Jain has successfully completed Industrial Training of 2 Weeks at Rudra Packaging, Palsana from 10th – 27th April, 2021.
- Prof. Ashish Jain has successfully completed Industrial Training of 2 Weeks at Ruchika Colours, Jaipur from 22nd May – 5th June, 2021.

Mechanical Engineering Department

- Two Ph. D. research scholar registered under the guidance of Prof. Dr. H. S. Patil.
- Prof. Bruhad S. Naik and Prof. Dhaval S. Chaudhari are enrolled as Ph. D. research scholar from academic year 2021-21.
- Prof. Daksh r. Tandel, Prof. Hariketan B. Patel and Prof. Akash A. Patel has completed 15 days industrial training at Hariom Aquaculture Pvt. Ltd in November 2021.
- Prof. Bharat H. Gajera and Prof. Hitesh C. Rana has completed 15 days industrial training at LEISTERTECH, Ahmedabad during 6th - 20th November, 2021.

Book Publication

- Dr. Bhavin G. Patel has published a book on Environmental Science (Code: 310007) for first year Engineering students (Gujarat Technological University) in 2021 with Tech –Neo Publication, Pune.
- Prof. (Dr.) H. S. Patil has published a book on “Design of Machine Elements” with ISBN/ISSN No.:978-93-90904-90-7 for Mechanical Engineering Students of Gujarat Technological University in July 2021 in association with Tech-Neo Publication.
- Prof. Mihir Mishra had Published a book with Title "Electronic Commerce" First Edition at Technical Publication with ISBN : 978-93-90041-29-9

Paper Publication/Presentation

- Prof. Vikunj Tilva has Publish A research Paper entitled “High Strength Concrete with Pond-Ash as Partially Replaced by Fine Aggregate and Fine Fly-Ash, Alccofine as Cement” in Turkish Online Journal of Qualitative Inquiry (TOJQI) volume 12 issue 7, July 2021:9327-9339.
- Prof. Nilesh Parmar has participated and presented research Paper entitled “A review on Microstructure study of metakaolin concrete under oral presentation category in ICSBMC-2021 Organized by Civil Engineering Department, SVNIT Surat, Gujarat, India in Association with ICI Surat Centre during 4th - 6th February, 2021.
- Prof. Nilesh R. Parmar has publish A research Paper entitled “High Strength Concrete with Pond-Ash as Partially Replaced by Fine Aggregate and Fine Fly-Ash, Alccofine as Cement” in Turkish Online Journal of Qualitative Inquiry (TOJQI) volume 12 issue 7, July 2021:9327-9339.



- Prof. Dr. H. S. Patil, Dr. D. C. Patel published a research paper with title "Age hardening heat treatment behavior of as-cast Mg-Zn-Al alloys" in International Journal Fratturaed Integrità Strutturale (Fracture and Structural Integrity), Vol.15 No. 57, 350-358 in July-21.
- Prof. Dr. H. S. Patil, Dr. D. C. Patel published a research paper with title "The effect of surface texturing in the sliding surface on tribological characteristics of alloy steel under wet condition" in International Journal Fratturaed Integrità Strutturale (Fracture and Structural Integrity), Vol. 15 No. 57,1-13 in July 2021.
- Prof. Dr. H. S. Patil, Prof. M. J. Jalanapurkar presented research paper with title "An effect of surface texturing and composite coating on tribological characteristics of I.C engine components: A Review" in International e-Conference on Recent Advancement in Mechanical Engineering and Technology, Department of Mechanical Engineering, AVIT, Kancheepuram, June (2021).
- Dr. D. C. Patel, Prof. Dr. H. S. Patil, Prof. Raj Dabholkar presented research paper with title "An Investigation on Effect of Coriolis Flow Meter Tube Shape and Size on Oscillation Modes Using a Parametric Finite Element Model" at Fluid Power Technical Seminar, Organized by Fluid Power Society of India Bangalore, (June 2021).
- Research Paper entitled "Employability Skills of Engineering Graduates - A Continuously Evolving Set For Sustainable Synergy Between Industry and Institute Objectives" submitted by Dr. R J Motiyani is accepted for publication in Volume 14 Issue 4, October, 2021 of Pacific Business Review (International) ISSN: 0974-438X.
- Dr. R J Motiyani, Prof. Ankur P. Desai have published a research paper entitled "Speed control of Three-Phase Induction Motor using Sinusoidal Pulse Width Modulation" in GRADIVA REVIEW Journal, Paper ID GRJ/2792, DOI:10.37897.GRJ.2021.V7I11.21.418, on November 2021.
- Prof. Toral V. Patel, Prof. Ankit K. Patel has published a paper entitled "Experimental analysis of temperature control of Lithium-Ion Battery by utilize Heat Pipe" in Vidyabharati International Interdisciplinary Research Journal 13(1), Page 302-309, ISSN NO. 2319-4979 in September 2021.
- Prof. Hetal Patel, Prof. Bhumika Patel had published a paper on "Various Methods of Image Mosaicing", at International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET), Online ISSN : 2394-4099, Print ISSN : 2395-1990, Volume 8 Issue 5, pp. 195-201, September-October 2021
- Prof. Hetal Patel, Prof. Bhumika Patel had published a paper on "Clustering Algorithms for WSNs", at International Journal of Innovative Research in Technology, ISSN: 2349-6002, Volume 8 Issue 4, September 2021.

Resource facilitation Centre/Consultancy Work

Computer Engineering Department

GIDC Degree Engineering College (GDEC) is in agreement with various reputed company like NSEIT Ltd., Tata Consultancy Services Ltd. etc. Under this agreement Computer Engineering Department has successfully hosted multiple online examinations. Computer Engineering Department continues to play significant role to generate revenue for the GIDC Degree Engineering College.



Sr. No.	Name of Examination / Exam Conducting Authority	Host Company	Date/s	Candidate Count
1	ITI - DGVCL	NSEIT Ltd.	15-Jul-2021	86
2	JEE - NTA	TCS	20,22,27-Jul-2021	325
3	MGVCL	NSEIT Ltd.	30-Jul-2021	270
4	Venue Booking	NSEIT Ltd.	26,27-Aug-2021	360
5	JEE - NTA	TCS	31-Aug,1,2-Sep-2021	285
6	Apprentice	NSEIT Ltd.	05-Sep-2021	226
7	ITI	NSEIT Ltd.	12,13,14-Oct-2021	908
8	ITI	NSEIT Ltd.	18,19-Oct-2021	337
9	UGC NET	Symlink	20,24-Nov-2021	225
10	UIDAI	NSEIT Ltd.	15,16-Dec-2021	100
11	ITI	NSEIT Ltd.	27 to 30-Dec-2021	1210
Total				4332

Civil Engineering Department

Civil Engineering department conducted various consultancy activities like conditional assessment, proof checking and design of different structure in GIDC Vapi and Daman areas.

This News Letter is published on behalf of GIDC Degree Engineering College by Dr. Neeraj. D. Sharma, Principal

