



TECH PULSE

The Quarterly Newsletter by L. D. College of Engineering



AROUND THE INSTITUTE

Lalbhai Dalpatbhai College of Engineering endearingly known as L.D.C.E is Ahmedabad's premier engineering college situated at the heart of the city surrounded by elite organization Like PRL, ATIRA, ISRO, IIM and CEPT. Started in 1948 with an aim of imparting quality higher education in various fields of engineering, it has seen unprecedented growth. It is affiliated with Gujarat Technological University & administrated by Directorate of Technical Education, Government of Gujarat.



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OUR MILESTONES

VISION

To contribute for sustainable development of nation through achieving excellence in technical education and research while facilitating transformation of students into responsible citizens and competent professionals.



MISSION



- To impart affordable and quality education in order to meet the needs of industries and achieve excellence in the teaching-learning process.
- To create a conducive research ambiance that drives innovation and nurtures research-oriented scholars and outstanding professionals.
- To collaborate with other academic & research institutes as well as industries in order to strengthen education and multidisciplinary research.
- To promote equitable and harmonious growth of students, academicians, staff, society and industries, thereby becoming a center of excellence in technical education.
- To practice and encourage high standards of professional ethics, transparency and accountability.



FROM THE DESK OF PRINCIPAL

Dear Students and Faculty Members,

LDCE is moving ahead on many fronts. In this quarter the consistent efforts and hard work of all has resulted in getting accreditation of BE in Instrumentation and Control Engineering and Chemical Engineering. I congratulate and appreciate the efforts of all involved in the process. This is a welcome change as this year we have seen renewed interest in admission to branches like IC, and EC.

We have filed and published 04 patents and 05 patents have received grants in the last three months. Along with this the faculty members have published/presented 17 research papers.

The Online Orientation program for first year students has been done well by all departments and we hope it has made our new aspirants comfortable for online teaching-learning. I wish all the luck to the first year students!

With best wishes

- **Dr. R. K. Gajjar**

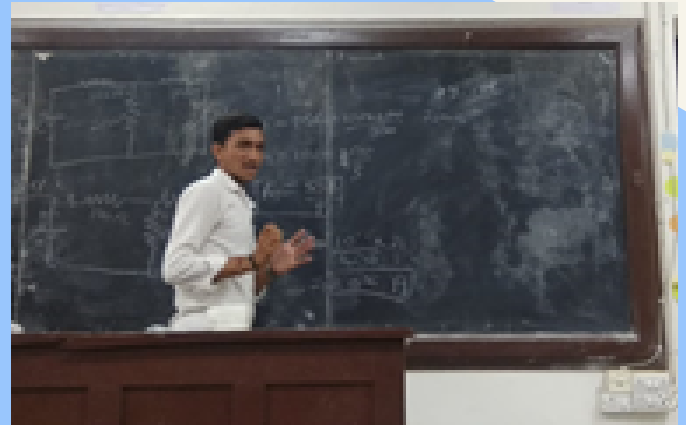
MAJOR EVENTS

(Institute level/Department level)

- LDCE has published 2 patents, filed 2 patents and 5 of its patents have received grants in the last 3 months.
- Dhruval Nai and Abhishek Ghoniya of Electrical Department along with Prakalpa Club worked on making a Go-To Telescope which specializes in real time tracking of helical objects.
- Monit Pal, the student of Civil Engineering, won the National Level Skit Competition organized by AIU.
- The Chemical Engineering and IC Departments are NBA accredited for 3 years for the UG courses.
- L. D. College of Engineering-Orientation 21, for newly admitted B. E. First semester students organized on 28/09/2021, consisting of an online programme that included a presentation about LDCE, Principal's message, virtual tour of the college, orientation of all the departments and sharing of Viewbook '21. The complete event was handled and managed by the students of Vox Populi Club - LDCE. Prof. D. R. Tarachandani and Prof. P. J. Mehta of Applied Mechanics Department coordinated the event at Institute level.
- The Institution of Engineers (India) Gujarat State Centre along with L. D. College of Engineering, Ahmedabad & Water Management Forum of IEI celebrated 54th Engineers' Day organizing an online Seminar/Webinar on "Engineers for Skill Development & Employment in Combating COVID" on 15-09-2021 at Visvesvaraya Hall, Applied Mechanic Dept. Dr. Rajul K. Gajjar (Principal, LDCE) and Dr. Bharat S. Patel (Council Member, IEI & COO & Founder Director-Yudiz Solution Pvt. Ltd.) were the Guest of Honour. Shri Navinchandra B. Vasoya, Past President & Council Member, The Institution of Engineers (India), Executive Council, World Federation of Engineering Organization, was the Chief Guest. Cap. Major Dr. C. S. Sanghvi, Professor & Head, Applied Mechanics Dept., gave concluding remarks on this occasion of 54th Engineers' Day. The Occasion ended with Shri Shyam Varghese, Hon. Secretary, Gujarat State Centre extending a vote of thanks. About 50 participants attended this webinar offline & about 40 participants attended online comprising mainly students, faculties, corporate members, non-corporate members, private organizations etc.

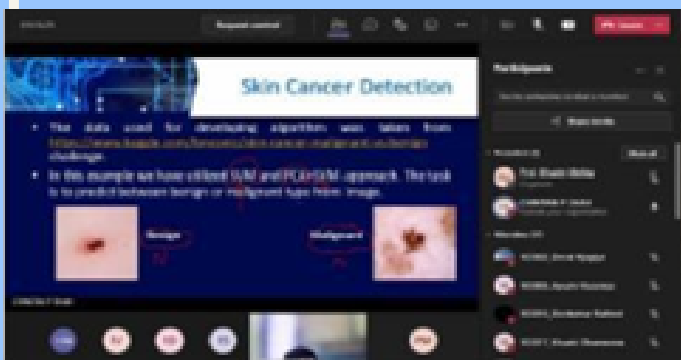
- The Applied Mechanics department celebrated the 54th Engineer's Day jointly with Ultra Tech Cement Pvt. Ltd. The dignitaries who graced the occasion included Dr. Rajul K. Gajjar, Major Dr. C. S. Sanghvi and from Ultra tech - Regional Head - Technical Customer Solutions - Mr. Nitin Chaudhary, Regional Head HR -Mr. Bharat Bhushan, Mr. Nalin Vyas, Mr. Mayur Bhandarkar and Mr. Keval Asher. The occasion was organized by Prof. Poonam I. Modi. The mainstay of the function was about sharing the success stories of the association of Ultra-tech cement Pvt. Ltd with L. D. College of Engineering. All the winners of various competitions organized by Ultra-Tech Pvt. Ltd such as Sparkling Star, the Quiz Competition-STIMULUS, Internship were invited on stage to share their experience. Taking care of the Covid protocol, the function was attended by 35 students and faculty members of the department. The pre-final year students who had attended the function were encouraged to participate in such Technical Events. Mr. Nitin Chaudhary from Ultra Tech apprised the audience of the way forward and various opportunities to be offered to our students. Mr. Sachin Pankaniya from Ultra Tech gave a live demonstration of some of the new & innovative building products launched by Ultra-tech.

- 6-Day Exclusive online Training Program for students "Soft skills, Life skills and Career Planning" during 4th August to 18th September 2021 was organised and conducted by the Civil Engineering Department, with participation of 170+ students of Civil Engineering.



On the occasion of Teacher's Day 06-09-2021, the Electrical Department thought of reversing roles. Our students conducted lectures on various topics like Block diagram reduction, Basics of Circuit Analysis, Probability, Digital Electronics and Network Theorems. They even presented a poem as an ode to Teachers. All the faculty members turned up to show their support and to motivate the students.

- The NBA Accreditation team visited the Chemical Engineering Department from 20/08/21 to 22/08/21.



- As a part of Ozone day celebration, the Environmental Engineering department had organized a webinar (Online) for UG & PG students under Institution of Engineers (India), Students Chapter on "Biomedical Waste Management " by Dr. Sandip Sharma from Nirma University on 16/09/2021.
- An online Technical Program was organized by the EC Department on completion of One Year of National Education Policy on 31st July 2021. 75 participants took part and benefitted from this program. India completed one year of the National Education Policy (NEP) 2020 on 29th July. The policy was revised after 34 years to meet the changing needs of Indian and International educational standards.

- CoE Welding – Keepsake welding Research and Skill Development centre (Mechanical Department) has organized 5 training programs titled ‘Fundamentals of Welding’ for the Students of Engineering colleges, IIT college and Industrial Personnel as per the below table.

<u>Sr. No.</u>	<u>Duration</u>	<u>No. of Students</u>	<u>Type of Organizations</u>
1	12th to 22th July, 2021	25	Engineering College’s Final and Pre Final Year students
2	26th July to 5th August, 2021	22	Engineering College’s Final and Pre Final Year students
3	11th to 21st August, 2021	14	Engineering College’s Final and Pre Final Year students
4	24th August to 11th September, 2021	29	IIT Saraspur
5	14th to 17th September, 2021	10	Industrial personnel

- Rubber Technology Department has successfully achieved 100% placement in B.E. batch-2021.

INDUSTRY - INSTITUTE INTERACTION

(Institute level/Department level)

- An Expert talk was organised for final and pre-final year students of the Civil Engineering Branch on “Employment opportunities for Civil Engineers in Government and Private Sector in Gujarat” on 17th July 2021.
- BioMedical Department had organized an online one day workshop on “Role of Machine Learning on Clinical Data Analysis” under the aegis of The Institution of Engineers (India) Students’ Chapter on 07-08-2021 for all undergraduate students of Biomedical engineering. This workshop gave an exposure to recent advances in clinical data analysis using machine learning techniques which are widely used in designing various AI-driven healthcare systems.
- An interactive webinar on “Analysis and Design of Transmission line Tower” was organized on 04-08-21 for the B.E & M.E. students in the Applied Mechanics department and was coordinated by Prof. P. G. Patel. The speaker of the webinar was Mr. Viral Kapadiya (Professional Structural Engineer)
- An interactive webinar on “Construction & Management Of Novel Indoor Vertical Farming System” was organized for second, third and final year students on 10-09-21. The Speaker of the webinar was Mr. Harshit K. Kothari (LDCE Alumnus & Project Engineer, Golden Palace Building Maintenance LLC, DUBAI, UAE). The webinar was coordinated by Prof. D. H. Raval and Prof. P. H. Andharia.
- An Expert talk on "Engineering Behaviour of Rock and Rock-masses: Case Studies" was organized on 15-09-21. It was organized under the aegis of The Dr. R. C. Sonpal Memorial Lecture series. The expert talk was delivered by Dr. K. S. Rao (Chair Professor, Civil Engineering Department, IIT Delhi). The webinar was sponsored by M. K. Soil Testing Laboratory, Ahmedabad, under the aegis of IGS Ahmedabad Student Chapter and was coordinated by Dr. M. V. Shah, Prof. Priti J. Mehta and Prof. Shalini R. Singh.

- An interactive webinar on “Concrete Mix Design (Philosophy & Hands-On Session)” was organized for the students of pre-final and final year on 16-09-21. The Speaker of the webinar was Mr. Mayur Bhandarkar (Territory Manager, Technical Customer Solutions, Ultra Tech Cement Ltd.). Webinar was coordinated by Prof. Poonam I. Modi and Prof. Bansal R. Patel. The webinar was conducted under the aegis of the Institution of Engineers (India), Student Chapter Civil Engineering, LDCE.

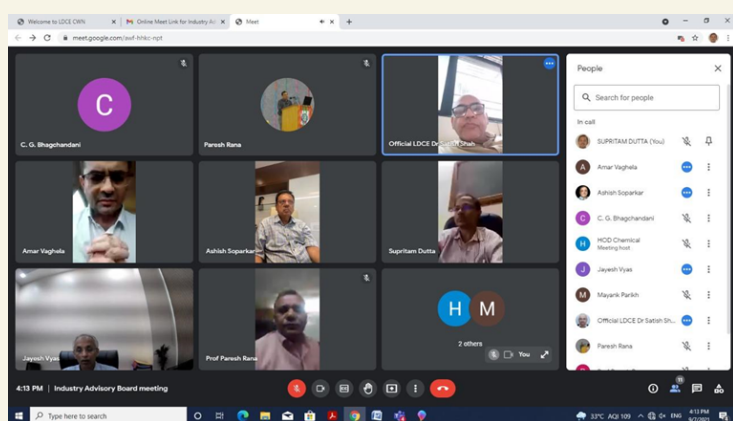
- Webinar on “Design of Experiment” was organized by the Automobile department on 18/09/2021. Mr. Kumar Abhishek of IITRAM was the expert where 410 students participated and took advantage. Prof. R J Jani and Prof. B H Kadiya coordinated the webinar.

- An interactive webinar on “Precast Construction – Design philosophy with Case-Studies of On-going projects” was organized for the B.E and M.E students on 18th September '21. The Speaker of the webinar was Mr. Parv Modh (Structure Design Engineer, BN Precast Pvt. Ltd.). Webinar was coordinated by Prof. Priti J. Mehta and Prof. Poonam I. Modi. The webinar was conducted under the aegis of the Institution of Engineers (India), Student Chapter Civil Engineering, LDCE.

- Webinar on “Electric vehicle with AI” was organized by the Automobile Engineering department on 29/09/2021. Mr. Zahir Laliwala, Business Strategy Specialist and Alumnus of LDCE was the expert and 74 students have taken advantage of it. Prof. R J Jani and Prof. B H Kadiya coordinated the webinar.

- The Civil Engineering Department signed 4 MOUs with industry namely MaRS Planning and Engineering Services Pvt. Ltd., Rajkamal Builders Pvt. Ltd., HRP Consultants Pvt. Ltd. and MAP Consultant Pvt. Ltd.

- Prof. Mehul Parikh, Information Technology Department and Prof. Bhavesh Parmar, Biomedical Engineering Department received Academic Hardware Grant for the project proposal “Capacity Building in Healthcare Diagnosis with AI” for edge computing. The sponsored industry NVIDIA has granted 20 Jetson nano 2 GB developer kits, with approximate value of the grant 2.0 lacs. (Each device costs 10,000/ INR).
- A meeting of the Industry Advisory Board of the Chemical Engineering Department with the Head of the Department and faculty members of the Chemical Engineering Department was held on 7th September 2021 at 4:00 pm in online mode.
- An expert lecture was arranged on “Introduction to polymeric materials and their applications” by Mr. Ankit Mishra, Institute for Molecular Systems Engineering, University of Heidelberg, for pre-final year students of the Chemical Engineering Department on 12/08/21.
- An expert lecture on “Challenges in the operation of Benzene Hydrogenation Catalyst” by Shri Digant Trivedi, Vice President, Gujarat State Fertilizers and Chemicals(GSFC) was arranged on 28/08/21 by the Chemical Engg. department for 3rd and 5th-semester students.
- An industrial visit for 5th-semester Chemical engineering students was arranged at Gujarat Vepari Mahamandal Sahakari Audyogik Vasahat Limited, Odhav on 16/09/21, in which 30 students took part where they visited the effluent treatment plant. Dr. P. H. Rana and Dr. S.M. Dutta coordinated the visit.





- An industrial visit for students of M.E. Chemical was arranged by the Chemical Engineering Department at CETP NTIEM (Narol Textile Infrastructure and Environmental Management) on 17/09/21 coordinated by Prof. T. S. Rajaraman.



- A one-day webinar on “Emerging Technologies: AR | VR | MR” was organized by the Department of Computer Engineering on 18th September 2021 under MoU with Exposit Immersive Solutions Pvt Ltd.



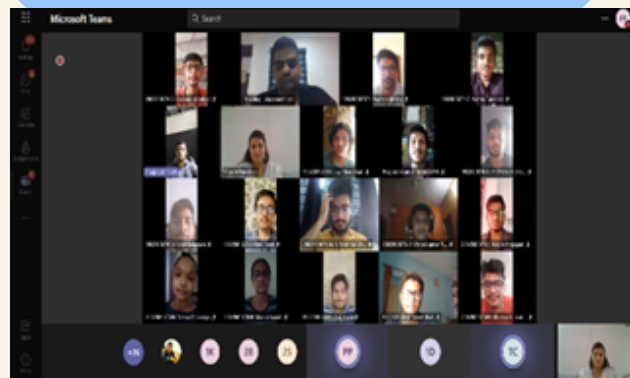
Total 142 students of Semester 3, 5, and 7 attended the webinar where the department had invited Mr. Roshan Rawal, LDCE alumni, and CEO of Exposit Immersive Solution Private Limited. Live demonstration of augmented and virtual reality was done along with detailed explanation which made the students come closer to emerging technologies.



- A one-day webinar on “Future technologies-XR, Crypto, NFT and scope beyond” was organized by the Department of Computer Engineering on 27th September 2021 under MoU with Reolo Holographics Pvt Ltd where the students were encouraged for the Startup and innovation. Total 96 students of Semester 3, 5, and 7 attended the webinar. Department had invited speaker Mr. Malav Shah, LDCE alumni and CEO of Reolo Holographics Pvt Ltd. Reolo is a student-initiated startup under the Gujarat government adapting to new upcoming futuristic technology hologram.

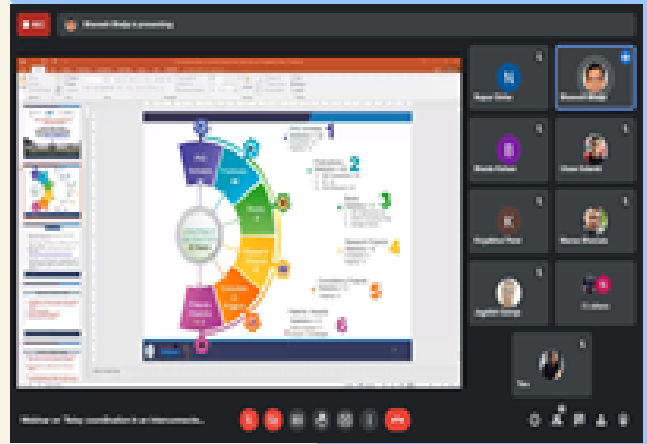


- The Computer Engineering Department organized a webinar on “GATE, Career opportunities & Internship” on 6th August 2021. Around 75 students participated in the webinar. An expert from ICE Gate motivated students to crack GATE. The webinar was coordinated by Prof Pragnesh Patel and Prof. Prachi Pancholi.



- An interactive webinar on “Precast Construction – Design philosophy with Case-Studies of On-going projects” was organized for the B.E and M.E students on 18th September '21. The Speaker of the webinar was Mr. Parv Modh (Structure Design Engineer, BN Precast Pvt. Ltd.). The webinar was coordinated by Prof. Priti J. Mehta and Prof. Poonam I. Modi. The webinar was conducted under the aegis of the Institution of Engineers (India), Student Chapter Civil Engineering, LDCE.
- The Computer Engineering Department organized a seminar on “Sensitization for SSIP and overall Grooming” on 18/9/2021 where around 65 students benefited from the seminar. Discussion regarding innovative ideas, team building, and preparing for speech was the key point. An interactive session was successfully conducted and coordinated by Prof. Hetal A. Joshiara and Prof. Parth Dave.

- An interactive webinar was conducted by Prof. (Dr.) Bhavesh R. Bhalja on “Relay Coordination in an Interconnected Power System Network” on 17/07/21.
- The Electrical Department organized a seminar on “Electrical Vehicle with AI” conducted by Expert Mr. Zahir Laliwala on 29/09/21.
- Prof U A Patel (Retired Professor- Nirma University)delivered an expert lecture on “Two port network” on 30/09/2021.



- Prof. V B Babariya, Retired Prof. (Electrical.) L D C E, Ahmedabad delivered an expert lecture on “Generator Protection” on 30/09/2021.
- Mr. Sumeet Mishra, Application Engineer, Megger India Pvt.Ltd. delivered a webinar on “Basics of Earth testing (ii) Enhance Electrical safety at workplace” on 24/09/2021.
- Prof. G. H. Ban delivered an expert lecture on “Overview of Environmental Clearance (online)” on 16/09/2021 to the final and pre final year students of Environmental engineering department, Government Engineering College (GEC), Valsad.



- Prof. M. J. Pandya delivered an expert lecture on “Wastewater Treatment Challenges” on 16/09/2021 organized by NTIEM, Ahmedabad

- Expert Lecture: Environmental Engineering department had organized following expert lectures of eminent speakers to enhance subject knowledge & get industrial exposure.

EXPERT LECTURE TOPIC	NAME OF EXPERT	NAME OF DEPT. COORDINATOR	DESIGNATION & ORGANIZATION	DATE
1. Electrodialysis for Wastewater Treatment	Prof. Bina Sheth	Prof. M. J. Pandya	Associate Professor, GEC, Valsad	12/08/2021
2. Treatment of High Strength Wastewater	Mr. Darrel Merchant	Prof. D. P. Shah	Director, Engino Private Limited	12/08/2021
3. Chromatography in Environmental Laboratory	Ms. Shital Goyal	Prof. Y. S. rami	Mahatma Gandhi Labour Institute	23/08/2021

- Prof. Swati Patel from Information Technology Department had a discussion for training proposal and state of art laboratories in the area of AR/VR with Yudiz Pvt Ltd on 15/9/2021, in which discussion regarding 5-day Training on subject AR/VR for Faculty of Engineering colleges was done with Mr. Bharat Patel and Mr. Dodiya.

- On 25th July, IC Department organized an expert talk on “Placement Guidance and Opportunity” by our Alumni Jinay Shah (CAIRN India), Mayank Patel (CAIRN India), Yash Dalmia (CAIRN India), Janvi Dubal (L & T), Aninda Dey Sarkar (L & T), Shalin Panchal (Aarti Industries) and Burhanuddin Bharmal (Aarti Industries). The basic objective of this event was to guide students about Placement Preparation.



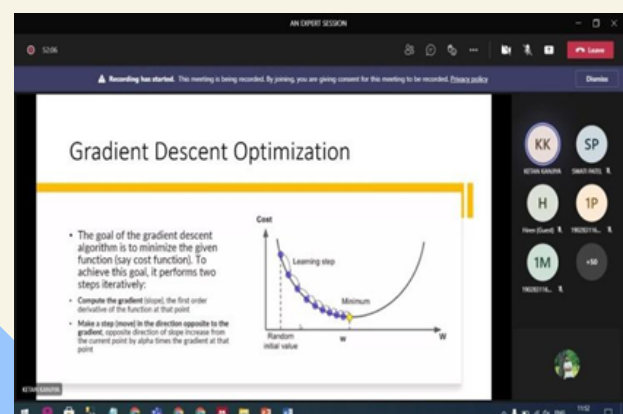
- Dr. Purvi Ramanuj from the Information Technology Department conducted an IAB meeting on 18/09/2021. The following points were discussed with IAB members:

1. Activities - Design Engineering, SSIP, projects(Kaizen final semester project exhibition).
2. Internship opportunities for 2nd year, 3rd-year students(focus on 15 days internship between 6th and 7th Semester).
3. 8th sem full-time project/Training.
4. Webinar about trends in the industry, Infrastructure support, and Mentoring
5. Other agenda suggested by IAB members.
6. Syllabus overview and inputs in the syllabus.

- Prof. Jaimin Chavda from the Information Technology Department organized an event for Internship opportunities with Sameeksha Capital on 10th and 11th September 2021 where 38 students participated in the event while Internship opportunities were discussed with Mr. Bhavin Shah and a test for the selection of students for internship was conducted.

- Dr.H.M.Diwanji and Prof. Mittal Panchal from Information Technology Department had a discussion on Industry-Academia Connect with Cloud Counseling Pvt. Ltd on 10/8/2021, where discussion on the feedback of the students in the previous Internship Program and discussion regarding improvement to connect Industry with Academia was conducted with Mr. Apoorva Jathar and Mr. Harshada Topale.

- An expert talk on Tensorflow with MNIST Image classification Problem was organized by the Information Technology department under the faculty coordinators Dr.M.C.Parikh and Prof.S.J.Patel and student coordinators Mr. Parmanand Patel and Ms. Hinal Patel on 23-09-2021 on the online platform. The experts Mr. Ketan Kanjiya and Mr. Hiren Patel delivered the talk to nearly 100 participants.



- The Plastic Technology department organized an online expert talk on “Speaking & Writing Skills in IELTS” by experienced IELTS Coach Smt. Prabha Soni on 17th July 2021 where final year students of Plastic Technology attended this lecture.
- Rubber Technology department arranged a Webinar on “Placement Guidance & Opportunity: Rubber Technology” jointly organized by the Training & Placement Cell and the department on 7th August, 2021. Prof.R.N.Desai & Prof. S.J.Padhiyar coordinated and all faculties of the department participated along with final year students of Rubber Technology department.
- A webinar on “Classification of ASTM D 2000” was organized by Rubber Technology Department under the aegis of the Institute of Engineers (India) Students’ chapter of Rubber Technology on 2nd August 2021 by Mr. Nikunj Thakkar, Assistant Manager, marketing at GP Petroleums Ltd.
- An online placement awareness webinar was organized by the Placement team, Rubber Technology department on 13th August 2021 by Mr. Sawant and Sr. G M Technical at BKT tires.



- An expert lecture was organized on “Recent developments in rubber based adhesives” by Mr. Darshan Shah, MD of Rubber Concept on 14th July 2021.
- An expert lecture was organized on “Eco-friendly rubber compound ENR” by Mr. Atul Shah, Rubber alumni & MD, Pioneer Rubbers on 9th August 2021.
- An expert lecture was organized on “Method for producing recycled thermoplastic rubber masterbatch with improved green strength and tack” by Mr. Prakash Patel, MD of Agile Rubber Products on 19th August 2021.
- An expert lecture series was organized by the Rubber Technology Department on “Reclaimed rubber technology” by Mr. Ronak Panchal, MD of Pravin Rubber & Engineering works during August 2021.

- The Rubber Technology Department arranged 6 pedagogy meetings with industry personnels on various topics in the last 3 months. All the faculty members of the department attended these meetings, coordinated by Prof. R N Desai. Details are as follows:
- Mr. Joel Lalucherian, Technical head, Ami Polymers on “Significance of Rubber for Pharmaceutical Applications”
- Mr. Vinay Pandey, Business Development Manager at Ami Polymer on “Widespread Applications of Silicone Stoppers”

- Mr. Parin Sheth, MD of Shreenath Rubber Products on “Rubber Composition for Tire Tread”
- Mr. Atul Shah, Rubber alumni & MD, Pioneer Rubbers on “Advancement in Rubber Plant Process Layout”.
- Mr. Darshan Shah, MD of Rubber Concept on “Rubber Compositions Containing Carbon black and Whey protein”
- Mr. Mehul Bagadiya, MD of Harsh Industries on “Thermoplastic Elastomers: properties & applications”

RESEARCH & CONSULTANCY

(EX. SSIP/SOIC/PATENT FILLED ETC.)

- The Chemical Department has 4 SSIP Projects going on with a total grant of Rs 4,12,000. The department is conducting an environmental audit of three companies.
- Computer Engineering Department's SSIP project "eDost" led by Mr. Dhruvit Patel has received a grant of Rs. 50,000/-. "eDost" is working under the guidance of Prof. Hetal A. Joshiyara.
- Professor Dr. Milind V Rane and HOD of Mechanical Department Dr. N M Bhatt were granted a PATENT on "Solar Fluid Heater" by the Patent Office India.
- Professor R. N. Desai & Professor B. D. Patel is doing research work on "Biodegradation of NR latex gloves and its utility in Agriculture field".
- Professor B. G. Basantani is currently doing research on "Development of Compostable Plastics".
- Prof. Sunil Padhiyar is currently doing research on "Lignin use in rubber industries".
- The Computer Department successfully registered Startup "IBOTIKS INNOVATIONS" on the DPIIT Startup India platform. Current team members of the start-up include Mumukshu Shah (Computer Department), Naishal Vora (EC department), Anu Aggarwal (Electrical department), Harshil Mistry (Mechanical department), Arvind Prajapati (Mechanical Department). The whole process is successfully supported, coordinated and guided by HOD Dr. S. M. Shah, SSIP Coordinators Prof. Hetal Joshiyara, Prof. Parth Dave and mentor Prof. Maitrik Shah respectively.
- Prof. M. S. Gadhavi, Prof. Z. R. Chhaya, Prof. S. H. Kazi and Prof. S. S. Dixit of the Civil department participated as jury members in the "Smart Gujarat for New India hackathon" state-level grand finale event organized on 10th - 11th August 2021.
- Prof. Anal Bhatt is currently doing research on "Rubber property modification by green solvent".



- Environmental Engineering department UG students (team ID: SGH000298) were awarded in Smart Gujarat for New India Hackathon year 2019-20 (winner declared in September 2021 & event held at Gujarat University in August 2021) with the second rank in Public Entities (Problem ID: SGH060) category worth prize money of 35,000/- rupees under the mentorship of Assistant professor Vishwa H. Shukla.



- 7th Sem E.C. student Ankit Singh along with 7 other students filed a PATENT titled "FLOATING TRASH COLLECTING DEVICE" on 11th May 2021 which has been PUBLISHED on 13th August 2021 by Patent Office India.
- Dr. Bhavin S. Sedani, Dr. N.A. Kotak along with 7th Sem E.C. students Sarda Kinjal and Vatsal Bhavsar filed a PATENT titled "METHOD AND SYSTEM FOR MOVING OBJECT DETECTION AND SENSING" on 5th August 2021 and has been PUBLISHED on 27th August 2021 by Patent Office India.

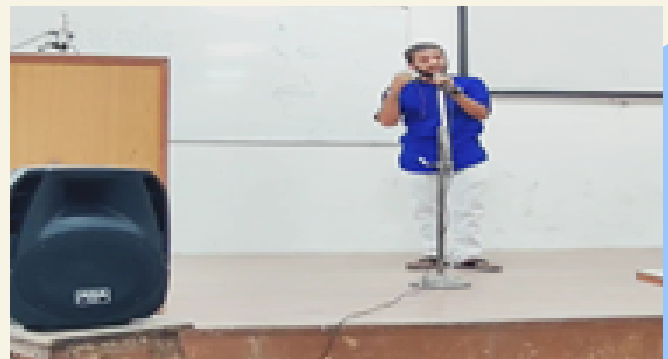


- 7th Semester Students (Bhatt Kirtan, Dave Parth, Dave Jatush, Dave Nilay, and Pinakpani Saha) of the IC Department participated in the final round of "SMART GUJARAT FOR NEW INDIA HACKATHON", which was held at L.J. College of Engineering on 10th - 11th, August 2021. Their topic was "Underground Cable Fault Detector". They have designed a kit/prototype for it, which focuses on short circuit fault and the open circuit fault detection and location through simulation in proteus.

STUDENT'S ACCOMPLISHMENTS

- Manthan Patel, Student of B.E. Sem 7th was declared Zonal Champion from West Zone in the UltraTech India Next Stimulus – an exclusive quiz competition designed for the Civil Engineering students across India by Ultra Tech Pvt. Ltd under the guidance of Prof. C. D. Patel. . This year's quiz had participation from 492 institutes, with over 2000 students from 22 states and 4 Union Territories.
- Sushil Patel (B.E. Sem V) and Hetavi Mandal(B.E.sem VII) were featured in the List of the Top performers for a “State-level Quiz on the occasion of the concrete Day” on 07-09-21. The Quiz was organized by the ICI student chapter and Department of Civil Engineering, Nirma University. The coordination & the mentoring of the same was done by Prof. Poonam I. Modi.
- LDCE Motors Sports team participated in virtual BAJA 2022, A national level motorsports event on 05/09/2021.
- Kamani Hardik and Bhaktik Kumar, 3rd semester students of Chemical Engg. Dept secured 1st Position in “Chem-O-Hunt ” at Lakshya2021: Perception a national Level Edu-Tech Fest organized by Team Robocon LDCE on 10-14 August 2021 at L.D. College of Engineering.
- Biomedical Engineering Alumni Mr. Krunal Prajapati (2020 Batch) registered a startup “BRAINIAC HEALTHCARE” with DIPP and startup India. The startup was also selected for NIDHI grant, MSME, and working under incubation at IIM Ahmedabad incubation center. Website: <https://www.brainiachealthcare.com/>
- Ashutosh Mishra, 7th-semester student of Chemical Engg. Dept. secured 2nd position in “Unfold” competition organized in Lakshya 2021: Perception, a national Level Edu-Tech Fest organized by Team RoboconLDCE on 10-14 August 2021 at L.D. College of Engineering.

- Mitra Om Umesh of the 3rd-semester Electrical Engineering department stood first in College Level singing competition where participants performed songs, poems and lokgeet of Shri Zaverchand Meghani



- Plastic Technology Students (8 students) of the final year participated in a training on “Mold flow Analysis of Injection Molding Parts” at CIPET Vatva, from 13-09-2021 to 24-09-2021 under KCG-RUSA



- Mitacs Globalink Research Internship is a competitive program that pairs top international students with specific research expertise with faculty. Ishika Tailor, a student of BE Semester 7, Information Technology Department had a 3 Month Research Internship of Mitacs Globalink in Athabasca University- Edmonton, Canada under the guidance of Professor Maiga Chang from May-2021 to Aug-2021. This research project was co-supervised by Professor Ninan-shing Chen from National Yunlin University of Science, Taiwan.

- Google Summer of Code is a global program focused on bringing more student developers into open source software development. Students work with an open-source organization on a 10-week programming project. Vishv Patel, a student of Information Technology Department was one of the 1291 students selected as a Student developer at Google summer of code worldwide.
- Janvi Thakkar, student of BE semester 5, Information Technology Department has been selected as Microsoft student learn ambassador. Student Ambassadors get access to unique resources like our global student network on Microsoft Teams and a Microsoft 365 account, and can earn badges for activities and contributions to unlock additional benefits such as cloud credits.
- Students of IC Department Herak Patel, Kush Dadiyala and Gaurav Mishra participated in The Agro Challenge 2021 and were shortlisted in the second round.
- Pratik Panchal(IC Dept) received SSIP funding for his PoC Development – Digital Control based 3D Printer with support of 1,20,000/- from student startup and Innovation Policy of GoG.
- 7th Sem E.C. students Sarda Kinjal and Vatsal Bhavsar filed a PATENT titled as “METHOD AND SYSTEM FOR MOVING OBJECT DETECTION AND SENSING”on 5 August 2021 and has been PUBLISHED on 27 August 2021 by Patent Office India.
- 7th Sem E.C. student Ankit Singh along with other 7 students filed a PATENT titled as “FLOATING TRASH COLLECTING DEVICE” on 11 May 2021 and was PUBLISHED on 13 August 2021 by Patent Office India.

- 7th Sem E.C. student Jay Bhuptani along with Disha Gajjar, Priyank Oza, Ronak Sukhvani, Pranav Kotadia, Prapti Jain, Tanushree Shah and Kavan Dhamsania has presented project named “KNOWTICE” in the “ Smart Gujarat for New India Hackathon 2019-20” on 10th & 11th August 2021 and secured 2nd RANK in the Government Department Category
- Daxit Soni, Shyam Chauhan and Denis Savaliya students of BE Rubber Technology successfully completed CIPET short-term training program on “Moldflow analysis of injection molding plastic parts” sponsored by Gujarat Knowledge Society from 13th September to 24th September 2021.
- Jay Mavani, Manthan Sonani, and Milan Gondaliya, students of Rubber Technology BE Sem 5, successfully completed the SCOPE English Proficiency Quiz-15 with a passing score of 100%, organized by SCOPE-Department of Education on 8th August 2021.
- Maulik Chauhan, the student of Rubber Technology BE Sem 5, successfully participated in Gillette Guard “Safalta apni mutthi mein” grooming workshop.
- Jatin Nakum, a student of Rubber Technology BE Sem 5 successfully participated in a live poetry recitation and storytelling competition organized by Paryavaran Mitra.
- Mihir Kyada, 5th semester student of Chemical Engg. Dept. secured 3rd Position in “Stocks Street ” at Lakshya 2021: Perception a national Level Edu- Tech Fest organized by Team RoboconLDCE on 10-14 August 2021 at L.D. College of Engineering.



COMMUNITY

NCC Activities

- On 24th of July NCC cadet of 1 Gujarat CTC gave Guard of Honour to honourable Governor of Gujarat Shri Acharya Devvrat. Guard consisted of 6 guard cadets with 1 santri and 1 Guard commander.



- On 13th August 2021, 30 to 35 trees were planted behind Hostel B Block in LD College of Engineering by NCC cadets.

- On the occasion of 72nd DISTRICT LEVEL FOREST FESTIVAL-2021 on 14th August NCC cadet of 1 Gujarat CTC were invited. Cadets helped to organize the crowd and to guide all guests. Unit CPL Rajkumar Rajpara and CPL Abhay Marakana are the pilots of the chief guest honorable Home Minister of Gujarat Shri Pradipsingh Jadeja.



- Our 75th Independence Day, 15th August 2021 was celebrated with the theme of "Azadi ka Amrut Mahotsav". Chief Guest for the function was Mr. Keyur Sampat (IAS). Pilots were Cpl Rajkumar Rajpara and Cpl Abhay Marakana. All the HoDs and faculties, NCC cadets, NSS volunteers and GISF guards with chief guest Mr. Keyur Sampat and our principal Dr. R K Gujar enjoyed the function.

ENGAGEMENT

NSS Activities

Tree Plantation July 16, 2021

- The Volunteers of NSS LDCE along with the support of the faculty members of the Applied Mechanics Department had successfully completed the Plantation Drive at the Applied Mechanics Department. The Covid protocols were strictly followed during the drive.

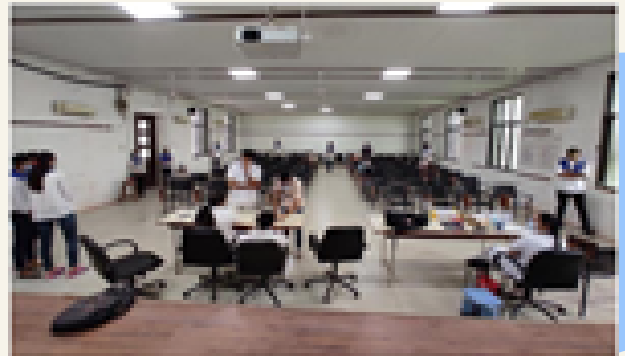


Alumni Meet - July 18, 2021

- The alumni meet was conducted successfully. Top 50 alumni of LDCE were invited. The main aim of the event was a Brainstorming session on the topic of "How to make LDCE a better place." NSS Volunteers in association with LAA prepared plants potted in LD's soil as a gift to the guests.

Walk-in Vaccination Camp July 23, 2021

- A walk-in vaccination camp has taken place in the campus of LD College of Engineering where any citizen can get vaccinated in the premises.



Gyan Shakti Diwas August 1, 2021

- NSS LDCE organized and volunteered for Gyan Shakti Diwas in L. D. College of Engineering's campus that had taken place at State Level and our honorable CM Mr. Vijay Rupani was a keynote speaker in the event.

Independence Day August 15, 2021

- NSS LDCE joyfully celebrated 75th Independence Day with 'Badhega India' as its theme in our college. Shri Keyur Sampat (IAS), Managing Director, GLPC was invited as our chief guest. This was followed by a delightful cultural event where NSS Volunteers performed on various patriotic songs. At the end of the event a group photo session was organized. Whole ceremony was carried out while keeping a check on guidelines issued by the Government for the Covid-19 pandemic.

Special Camp August 15 - 21, 2021

- NSS unit of LDCE organised Special Camp 2K21 at Naaz village, Daskroi from August 15, 2021 to August 21, 2021. Entire camp unit strictly complied with Covid-19 SOPs issued by authorities. NSS volunteers conducted and performed various tasks such as organizing early morning PRABHAT PEHRI, a brief

survey from people living in the village about awareness of cancer and hygiene.

- Apart from it campaigning about the seminar took place at Naaz primary school with Sanjeevani- Life Beyond Cancer where talk about menstrual hygiene, cancer awareness and healthy lifestyle and puberty was given. Not only that but also books regarding puberty were distributed among the girls of age 11-13 with the help of The Lions Club of Ahmedabad. The volunteers conducted a Tree Plantation Program at Andhjan Mandal Campus and Mahadev Mandir by planting native trees such as Peepal, Neem, Banyan, and many more. Followed by a campaign to raise awareness about Nasha Mukta Naaz and dance performances for the same. In collaboration with the Lions Club of Ahmedabad, volunteers organized a Health check-up camp in Naaz, providing free check-ups for eyes, bones, teeth, blood pressure, and physical therapy to nearly 250 villagers.



- After the Check-up, at various locations, a skit was performed by the volunteers highlighting Importance of Cleanliness in preventing any kind of illness. Later, volunteers assisted widows with the Vidhva Sahay Pension Yojna application. Volunteers conducted self-defence seminars for children in which they were taught how to defend themselves in a variety of situations. Further, the officials who supported the NSS LDCE throughout the camp were welcomed, including the Sarpanch of Naaz Village, the MSM-BPA Campus In charge, and the Principal of Naaz Primary School.

Alumni Meet September 5 & 25, 2021



- NSS LDCE in association with LD Alumni Association had organized an 'Alumni Meet' where prominent alumni of our college were invited for a brainstorming session on the topic, 'LDCE Platinum Jubilee Year celebrations'. Many important ideas were discussed thoroughly which may be incorporated in the future.

Teacher's Day - September 6, 2021

- NSS LDCE cheerfully celebrated Teachers' Day on September 6, 2021. Tilak Puja was performed for all the faculty members of LDCE along with a gratitude letter for the efforts they put in to educate, mentor, and shape us. Cards made by students for their favorite professor were also delivered to them.

Pre - Republic Day Parade Selection September 7, 2021



- Volunteers' of NSS LDCE participated in intra-state Pre - Republic Day Parade Selection showcasing their remarkable skills. It was held at Gujarat Vidyapith, Ahmedabad on September 7, 2021.

Debate/Quiz Competition September 15, 2021

- NSS Unit of LDCE completed its nine glorious years on September 15, 2021, and Engineer's Day falling on the same date made it even more special. In order to make this occasion more joyful, NSS LDCE invited all the students to celebrate it by participating in a quiz and debate competitions.

Quiz Competition September 18, 2021

- A quiz competition on our Freedom Fighters took place under Azaadi ka Amrut Mahotsav where 600+ students participated across India.

State NSS Day Celebrations September 22, to September 24, 2021

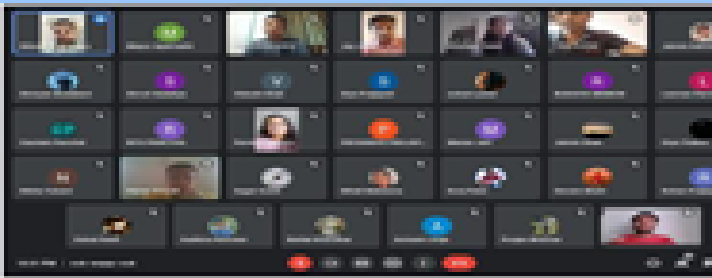
- Volunteers' of NSS LDCE participated in State NSS Day Celebrations held at Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj from September 22, 2021 to September 24, 2021. 15 competitions were organized where volunteers of different NSS Units from all over Gujarat participated. NSS LDCE grabbed 3 trophies for Poster Making, Group Singing and Group Dance. All events were carried out while keeping a check on guidelines issued by the Government for the Covid-19 pandemic.

Tiranga Yatra - September 15, 2021

- A Tiranga Yatra under Azaadi ka Amrut Mahotsav was done by volunteers of NSS LDCE where they held the Tiranga and walked around the campus.

Azaadi ka Amrut Mahotsav September 24-25, 2021

- NSS LDCE had organized various activities based on the theme of 'Azaadi ka Amrut Mahotsav' and a webinar on Sadbhavna Diwas where Shri Nilesh Chaudhary, Campus Coordinator, MSM-BPA school was there as a key speaker. Events undertaken for Azaadi ka Amrut Mahotsav are:



- Speech Competition
 - Painting Competition
 - Poster Competition
 - GIF Creativity Competition
 - Slogan Competition
- Prof. Riyaz Y. Modan participated in Cyber Sanjivani Competition organized by Surat City Police in collaboration with Cyber Suraksha Setu.

FACULTY ACHIEVEMENTS

- A Patent entitled “Sand-Free unfired bricks and manufacturing method thereof” 372690, was granted for a period of 20 years to Prof. Poonam I. Modi & Dr. Rajul K. Gajjar (Principal, LDCE) on 26-07-21.
- Major Dr. C. S. Sanghvi has delivered a lecture on “Earthquake & Infrastructure” during program on Disaster Resilient Infrastructure by GIDM, Gandhinagar on 22-07-2021
- Major Dr. C. S. Sanghvi has delivered lecture on “Effect of Cyclone on Hospital Infrastructure” during program on Disaster Resilient Hospital Infrastructure by GIDM, Gandhinagar on 24-09-2021.
- Major Dr C S Sanghvi is appointed as Member of Advisory Board of Civil Engineering at IPS Academy, Indore.
- Major Dr. C. S. Sanghvi is appointed as member of Special Technical Committee for Tall Structures having height more than 100m by the Government of Gujarat. This committee will approve the construction of Tall Buildings in Gujarat.
- Prof. Sulay Patel, Automobile Dept., has delivered an expert lecture on “Power Train for electric vehicles” in a webinar organized at Parul Institute of Tech. on 17/07/2021.
- Prof. Bhavesh Parmar, Biomedical Engineering Department was invited for an expert lecture on “Architectures of Deep-Learning and its application in Health Care” on 04-09-21 by Government Engineering College, Gandhinagar.

- Dr. P. H. Rana delivered an expert lecture on “Catalyst and Characterization techniques” at Chemical Engineering Department, L E College, Morbi on 21/9/2021.
- Dr. P. H. Rana delivered an expert lecture on “Catalyst for conversion of Bio-platform molecules” at Chemical Engineering Department, VGEC, Chandkheda during online training on 'Challenges and Emerging Trends in Catalysis' on 18/9/2021.
- Dr. P. H. Rana chaired a technical session on “Separation and Purification” at an international conference on “Advances in sustainable research for energy and environment management” organized by SVNIT, Surat on 8/8/2021.
- Dr. N. M. Bhatt is appointed as a member of a committee constituted by DTE to decide the expenditure during NBA expert visits.
- Dr. N. M. Bhatt, Professor and Head-Mechanical Department, is appointed as mentor for Dr. S & S Gandhi College, Surat under ‘Visheshagya’ scheme by GTU.
- Dr. N. M. Bhatt conducted MOCK NBA accreditation of GEC Bharuch on 16th September 2021.
- Dr. N. M. Bhatt is appointed as a member of the Faculty of Engineering at GTU.
- Dr. N. M. Bhatt is appointed as Chairman - Board of studies for Mechanical and Allied branches by GTU.
- Offline lecture was delivered by Prof. R. N. Shukla on “Road Safety and Introduction to RSA” Organised by Staff Training College, Roads & Building Department, New Sachivalaya, G'nagar on 15th July 2021 & 26th Aug 2021 morning session.
- Prof. Bhakti D. Patel and Prof. Sunil J. Padhiyar were appointed as jury members at a Hackathon organized at Indus University during 10th and 11th August, 2021.

- Offline lecture was delivered by Prof. R. N. Shukla on “Curve & Junction Improvement” Organised by Staff Training College, Roads & Building Department, New Sachivalaya, G’nagar on 15th July 2021 & 26th Aug. 2021 noon session.
- Expert talk by Prof. R. N. Shukla was delivered on “Employment opportunity for Civil Engineers in Government and Private Sector” organised by Civil Engineering Department at L.D.C.E, Ahmedabad on 17th July 2021 from 1.20 pm to 3.20 pm.
- Expert talk by Prof. R. N. Shukla was delivered on “Scope of Civil Engineers in Government Job” during An Exclusive 6-day Training on Soft Skills, Life Skills and Career Planning organized by Civil Engineering Department, L. D. College of Engineering, Ahmedabad on 16th August 2021.
- Prof. Jay Dave of the Computer Engineering Department has received a Ph.D. degree from MNIT, Jaipur in September 2021. His area of research was Cloud Computing and Data Reduplication.
- Expert talk by Prof. R. N. Shukla was delivered on “Opportunities for Civil Engineers to make a career in the private sector” during An Exclusive 06-day Training on Soft Skills, Life Skills and Career Planning organized by Civil Engineering Department, L.D.C.E, Ahmedabad on 16th August 2021.
- On the occasion of completion of one year of the launch of "National Education policy", Dr. Hiteishi Diwanji, head of the Information Technology department delivered a talk on "Ranking- a perspective" on 31-07-2021 which was organized in L.D.C.E. Parameters and Case studies of various ranking formats were discussed.
- Dr. M. C. Chudasama, of L. D. College of Engineering, Ahmedabad, Gujarat contributed as Resource Person in AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Role of Renewable Energy Sources in Power System" from 05/07/2021 to 09/07/2021 at Government Engineering College, Patan .

- Dr. Manish Thakker – Head, IC Engineering Department was felicitated by the Lion's Club on Engineers Day.



- Dr. M. D. Chaudhari delivered an expert talk at Centre of Excellence - Welding, L. D. College of Engineering on 17th July, 2021 on the topic of “Welding Metallurgy and Heat Treatment” as a part of 10 days program “Fundamentals Of Welding” organized for students.
- Dr. M. D. Chaudhari delivered an expert talk on 2nd August, 2021 on the topic of “Optical and Electron Microscopy” for students, engineers and professionals organized by Government Engineering College Gandhinagar, Student Society of Metallurgy Engineering Gandhinagar and Indian Institute of Metals Baroda Chapter.

- Dr. M. D. Chaudhari delivered an expert talk at Centre of Excellence - Welding, LDCE on 16th August 2021 on the topic of “Welding Metallurgy and Heat Treatment” as a part of 10 days program “Fundamentals Of Welding” organized for students.
- Dr. M. D. Chaudhari delivered an expert talk at Centre of Excellence - Welding, LDCE on 15th September 2021 on the topic of “Welding Metallurgy of Stainless Steels” as a part of 4 days program “Advance Welding Training for Experienced Engineers” organized for professionals and engineers from industry.
- Dr. Ashwin Thakkar was awarded the Engineers Day Award by the Lions Club of Ahmedabad during the Engineers day celebration on 18th September, 2021.
- Dr. Ashwin Thakkar chaired a seminar on “Prevention and Minimization of Pollution with Innovative Technology” organized at The Textile Association India, Ahmedabad unit on 11th September, 2021.

- Dr. Mihir V. Shah has contributed as an external expert for the promotional review of Scientific Officer-D in “Scientific Review and Promotion Committee” (SRPC-I) arranged at IPR on 21.09.2021 .
- Dr. Anilkumar J. Kshatriya delivered an expert talk on “Free Space Optical Communication” at Charotar Institute of Science and Technology, CHARUSAT campus, Changa, Gujarat on 06-09-2021.
- An article by Prof. Hiren Jaiswal on Braiding Technology was published in The Textile Association India Baroda Unit Newsletter in September 2021.
- Prof. Gnanu Bhatt has been awarded a certificate of appreciation for reviewing a research paper under IBSSC-2021, an international conference organized by IEEE Bombay Section and ABV-IIITM Gwalior, India during September, 2021.



PAPERS PRESENTED/PUBLISHED

- Prof. R. J. Jani, Head of Automobile department, has published a paper on "EXPERIMENTAL INVESTIGATION OF SPARK PLUG GAP ON PERFORMANCE AND EMISSION OF SINGLE CYLINDER 4S SI ENGINE WITH HYDROXYGEN AS AN ADDITIVE" online on 13th July 2021, Proceedings of the Indian National Science Academy (2021) 87:393–407, <https://doi.org/10.1007/s43538-021-00040-7> Scopus indexed journal and published by springer.com.
- Dr. D. D. Mandaliya published a research paper on "IN SITU MICROBIAL AND PHYTO REMEDIATION OF CRUDE OIL CONTAMINATED SOIL BY CYNODON SP." in Int. Journal of Phytoremediation, 2021.
- Dr. Rajesh Jain, A. S. Lodhi, G. Olivero and Manish Pandey have published a technical paper titled "INFLUENCE OF COHESION ON SCOUR AT PIER FOUNDED IN CLAY-SAND-GRAVEL MIXTURES" in the Journal of irrigation and drainage Engineering, ASCE, volume 147, issue 10, ISSN 0733-9437
- Dr. P. J. Gundaliya, Meet D. Ajudiya and Dr. Yogeshwar D. Navandar, have presented a technical paper titled "CAPACITY ANALYSIS FOR ELECTRONICALLY OPERATED TOLL PLAZA UNDER MIXED TRAFFIC CONDITION" at the 8th Online International Conference on Transportation Systems Engineering and Management -2021 held on 26-27th August 2021.
- Ms. R. N. Shukla, Harsh Mer and Dr. Mohan presented a technical paper titled "INTERSECTION SAFETY INVESTIGATION USING SURROGATE SAFETY ASSESSMENT MODEL" at the 8th Online International Conference on Transportation Systems Engineering and Management -2021 held on 26-27th August 2021.
- Ms. R. N. Shukla, Binal Vasoya and Dr. Minal presented a technical paper titled "GIS BASED MODEL FOR OPTIMUM LOCATION OF ELECTRIC VEHICLE CHARGING STATIONS" at the 8th Online International Conference on Transportation Systems Engineering and Management -2021 held on 26-27th August 2021.

- Ms. R. N. Shukla and Ushir Vahia have presented a technical paper titled “DESIGN OF FEEDER SYSTEM FOR METRO: A REVIEW” at the International Conference (online) of Intelligent Infrastructure in Transportation & Management organized by the Institute of Infrastructure, Tech., Research and Management, Ahmedabad during 10-11 July 2021
- Ms. R. N. Shukla and Harsh Mer have presented a technical paper titled “CALIBRATION AND VALIDATION OF MICROSIMULATION MODEL FOR INDIAN HETEROGENEOUS TRAFFIC FLOW-A CASE STUDY” at the International Conference (online) of Intelligent Infrastructure in Transportation & Management organized by the Institute of Infrastructure, Tech., Research and Management, Ahmedabad during 10-11 July 2021.
- Prof. Toral Vyas and Rohitkumar have presented a paper titled “COMPARATIVE STUDY OF IRC AND AASHTO STANDARDS FOR INDIAN ROAD DESIGN: A REVIEW” at the 8th International Conference on Transportation Systems Engineering & Management (CTSEM 2021) organized online by the Centre for Transportation Research, CED, NIT Calicut, during Aug. 26 - 27, 2021.
- Prof. Toral Vyas and Rohitkumar have presented a technical paper titled “COMPARATIVE STUDY AND PARAMETRIC ANALYSIS OF IRC AND AASHTO STANDARDS FOR URBAN ROAD DESIGN” at the International Conference (online) of Intelligent Infrastructure in Transportation & Management organized by Institute of Infrastructure, Tech., Research and Management, Ahmedabad during 10-11 July 2021.
- Prof. Gaurangkumar H. Ban from Environmental Engineering Department published a research paper titled “STUDIES ON DEVELOPMENT OF ONLINE MEASUREMENT OF PM_{2.5} AND PM₁₀ RELEASING FROM INDUSTRIAL FLUE GAS STACK” in ADBU-Journal of Engineering Technology, Volume-10, Issue-2, July- 2021 (UGC-CARE Listed journal).
- Prof. Pradip Patel and Dr. Narendra Patel have published a research paper on “TRANSFORMATION INVARIANT REAL-TIME RECOGNITION OF INDIAN SIGN LANGUAGE USING FEATURE FUSION” in International Journal of Next-Generation Computing, VOLUME 12, ISSUE 3, JULY 2021 on 01-08-2021.

- Dr. Komal G. Dave, Dr. J. L. Ramdatti and Dr. A. V. Gohil have published a technical paper on the title “EXPERIMENTAL INVESTIGATION ON ELECTRO-DISCHARGE SURFACE MODIFICATION PHENOMENON OF P20+NI DIE STEEL USING GREEN P/M COMPOSITE ELECTRODE” in the journal of mechanical engineering and science (JMES) ISSN: 2289-4659 e-ISSN: 2231-8380 VOL. 15, ISSUE 3, 8390 – 8404 DOI: <https://doi.org/10.15282/jmes.15.3.2021.16.0660>, on 19th September 2021.
- A. J. Sheth and Dr. U. A. Patel published a paper on DESIGN AND IMPLEMENTATION OF PASSIVE DYNAMIC VIBRATION ABSORBER FOR VIBRATION CONTROL OF ROTATING MASS UNBALANCED AIR BLOWER in Journal of Engineering Research, ICIP PSD Special Issue DOI: [10.36909/jer.ICIPPSD.15523](https://doi.org/10.36909/jer.ICIPPSD.15523)
- Dr. P. B. Shukla published two research papers in peer-reviewed journals.
- Dr. H. M. Gajera, Dr. D. R. Shah, Dr. N. H. Pancholi and Parth Sakshena published a paper on “EFFECT OF SLM PROCESS PARAMETERS ON HARDNESS AND MICROSTRUCTURE OF STAINLESS STEEL 316 MATERIAL” in Materials Today Proceedings, Elsevier in Sept. 2021
- Dr. D. R. Shah has presented a paper in International Conference on Functional Materials, Manufacturing and Performances ICFMMP – 2021, 17-18 September 2021 organized by LPU, Jalandhar on “INVESTIGATION OF CUTTING TEMPERATURE, CUTTING FORCE AND SURFACE ROUGHNESS USING MULTI-OBJECTIVE OPTIMIZATION FOR TURNING OF TI-6AL-4 V (ELI)”
- Dr. D. R. Shah, Dr. N. H. Pancholi, Dr. H. M. Gajera and Dr. B. K. Patel published a paper on “INVESTIGATION OF CUTTING TEMPERATURE, CUTTING FORCE AND SURFACE ROUGHNESS USING MULTI-OBJECTIVE OPTIMIZATION FOR TURNING OF TI-6AL-4 V (ELI)” in Materials Today Proceedings, Elsevier in September 2021.

PROFESSIONAL DEVELOPMENT

(STTP/FDP/Workshop/Conference etc. attended only)

Sr. No.	Title	Name of Faculty	Department	Organized by	Duration
1	Designing New Experiments in Civil Engineering	Prof. A. J. Shah Prof. P. J. Mehta	Applied Mechanics	NITTTR, Bhopal	26/07/2021 to 30/07/2021
2	Biofuels a Clean Green Alternative fuel for IC Engine	Prof. V. G. Trivedi	Automobile Engineering	NITTTR, Bhopal	12/07/2021 to 16/07/2021
3	Buried Energy for Conservation and Energy Management.	Prof. V. G. Trivedi		BBIT, VV Nagar (ATAL) Academy	06/09/2021 to 10/09/2021
4	Train the trainer for Machining	Prof. J. P. Vasani		IACE, Gandhinagar	20/09/2021 to 24/09/2021
5	Induction Phase – I	Prof. Yogita Parikh	Biomedical Engineering	NITTTR Bhopal	02/08/2021 to 13/08/2021
6	Induction Phase - II	Prof. Pooja Gohel		NITTTR Bhopal	21/06/2021 to 02/07/2021
7	Induction program phase 1 training	Prof. N. J. Ambegaonkar	Chemical Engineering	NITTTR, Bhopal	15/07/2021-19/07/2021
8	Emotional Intelligence	Dr. P. B. Shukla	Chemical Engineering	NITTTR, Bhopal	12/07/2021-16/07/2021
		Prof. V. J. Chitaria	Civil Engineering		
9	Induction Program Phase -II	Prof. T. S. Rajaraman	Chemical Engineering	NITTTR Bhopal	27/09/2021-08/10/2021
10	Work Life Balance and Stress Management	B. B. Panchal	Information Technology	by NITTTR Bhopal	6/9/2021 to 10/9/2021 (One Week)
11	Programming in JAVA	A. C. Patel P. R. Patel M. B. Patel		MOOC Training(Online)	26/07/2021 to 15/10/2021 (Two weeks)
12	Personal Effectiveness	Jalpa P. Modi Toral Vyas	Civil Engineering	PDPM IIT, Design & Manu. Jabalpur	23/9/2021 to 27/9/2021
13	Question Paper Authoring and Student Evaluation	Prof. V. J. Chitaria		Swayam Course	09/09/2020 to 30/11/2020
14	Accreditation of Undergraduate Engineering Programmes	Prof. V. J. Chitaria		Swayam Course	14/09/2020 to 14/12/2020
15	Fundamentals of Outcome-Based Curriculum in Engineering Education	Prof. V. J. Chitaria		Swayam Course	14/09/2020 to 30/11/2020

<u>Sr. No.</u>	<u>Title</u>	<u>Name of Faculty</u>	<u>Department</u>	<u>Organized by</u>	<u>Duration</u>
16	Industry 4.0 and Manufacturing: Factory of Future Perspectives	Prof. D. R. Shah	Mechanical Engineering	L. E. College, Morbi	05/07/2021 to 09/07/2021
17	Innovative Teaching Techniques for Mechanical Engineering	Prof. G. N. Sutaria		NITTTR Bhopal	12/07/2021 to 16/07/2021
18	Emotional Intelligence	Dr. M. D. Chaudhari			12/07/2021 to 16/07/2021
19	Induction Phase II	Prof. J. P. Dataniya			20/09/2021 to 01/10/2021
20	Orientation Training for NITTT mentors	Prof. V. J. Chitaria	Civil Engineering	NITTTR, Chennai	26/07/2021 to 30/07/2021
21	Life Skills for Self-Discovery, Competency & Productivity	Prof. V. J. Chitaria		ATAL, AICTE	09/08/2021 to 13/08/2021
22	New Age Materials for Civil Engineering Applications	Prof. (Dr.) P. J. Gundaliya		DR. S. & S. S. GHANDHY, GEC, Surat	20/9/2021 to 24/9/2021
23	ATAL FDP on Air Pollution and climate change (APCC-2021)	Z. J. Chovatiya		AICTE- ATAL SVNIT, Surat	20/9/2021 to 24/9/2021
24	Academic Paper Writing and Technical Research Methodology	Prof. R. M. Jadav		NITTTR, Bhopal	30/8/2021 to 3/9/2021
25	Recycling Materials in Highway Construction	Jitisha S. Kamble		Indo Global College of Engineering, Chandigarh	23/8/2021 to 28/8/2021
26	Innovation Ambassador Training	Jitisha S. Kamble		MHRD, IIC	30/6/2021 to 30/7/2021
27	Assessment and Utilization of Renewable Energy Resources	Dr. K. A. Bhatt	Electrical Engineering	GEC Palanpur	13/9/2021 to 17/9/2021
28	Induction Programme Phase-II	Amruta S. Kuhikar, Vishwa H. Shukla	Environmental Engineering	NITTTR, Bhopal	25/07/2021 to 06/08/2021 (Online)

<u>Sr. No.</u>	<u>Title</u>	<u>Name of Faculty</u>	<u>Department</u>	<u>Organized by</u>	<u>Duration</u>
29	Webinar on “Evolution of Plastic Waste Policy”	Prof. Hetal C. Shah, Prof. Stuti R. Shah	Plastic Technology	AIPMA	02/07/2021
30	“Online training for the effective Utilization of Web of Science”	Prof. Hetal C. Shah, Prof. Stuti R. Shah		LDCE	17/07/2021
31	“Challenge Yourself for Developing Self Confidence”	Prof. Hetal C. Shah, Prof. Stuti R. Shah		LDCE, under AICTE –DCP scheme-2021	31/07/2021
32	“How to achieve our Institutional goal in COVID 19”	Prof. Stuti R. Shah		CED, Govt. of Gujarat	07/08/2021
33	Curtain Raiser of Plastics in Packaging: materials Enhancing Marketability”	Prof. Stuti R. Shah		AIPMA	27/08/2021
34	Workshop on “How to Conduct the AICTE Student Induction Program(SIP) 2021	Prof. Kintu P. Jain, Prof. Stuti R. Shah		AICTE	20/9/2021
35	“Work life balance in stressful life”	Prof. Bharati G. Basantani, Prof. Hetal C. Shah, Prof. Stuti R. Shah		Women’s Development Cell, LDCE	22/9/2021
36	“How to conduct student induction program in college”	Prof. R. Y. Modan	Rubber Technology	AICTE	21/09/2021
37	Design and Development of E-content for moocs	D. B. Shah	Science and Humanities	NITTTR, Bhopal	19/07/2021 to 23/07/2021
38	Work Life Balance and Stress Management	D. B. Shah		NITTTR, Bhopal	06/09/2021 to 10/09/2021
39	Using ICT tools in teaching and learning	V. A. Adhwaryu	Science and Humanities	NITTTR, Bhopal	23/8/2021 to 27/8/2021

M. E. DISSERTATION

<u>Sr. No.</u>	<u>Name of Student</u>	<u>Title</u>	<u>Name of Guide</u>
1	Utsav Prajapati	Effective utilization of road space on the selected road links of the Ahmedabad city	Prof. V. J. Chitaria
2	Harsh Ketubodar	Optimization of queue clearance for dudheshwar 3-leg and dafnala 4-leg intersection	Prof. V. J. Chitaria
3	Dhaval Jalalpara	Study of traffic signal coordination on selected stretch of Ahmedabad	Prof. V. J. Chitaria

MEDIA COVERAGE

પહેલા રાઉન્ડ બાદ 10151 બેઠક ખાલી, કુલ 50293 પૈકી 31401 બેઠક ખાલી

ડિગ્રી ઈજનેરીમાં 28750ને કોલેજની ફાળવણી પછી 18599 પ્રવેશ કન્ફર્મ

નવગુજરાત સમય > અમદાવાદ

18599 ભરાયેલી બેઠકની સામે 31401 બેઠક ખાલી

ડિગ્રી ઈજનેરીમાં પ્રવેશ માટે પહેલા રાઉન્ડમાં વિદ્યાર્થીઓને પ્રવેશ આપ્યા બાદ આ પ્રવેશ કન્ફર્મ કરવા માટે આપવામાં આવેલી મુદત પૂરી થઈ ચૂકી છે. પ્રવેશ સમિતિ દ્વારા હાલ પહેલા રાઉન્ડમાં ખાલી પડેલી બેઠકની વિગતો પણ જાહેર કરવામાં આવી છે. જેમાં પહેલા રાઉન્ડ બાદ કુલ 31401 બેઠક ખાલી પડી છે. પહેલા રાઉન્ડમાં પ્રવેશ ફાળવવામાં આવ્યા તે પૈકી 10151 બેઠક ખાલી પડી છે. આમ, માસ પ્રમોશન પછી બેઠક કુલ થવાના બદલે મોટા પાયે બેઠક ખાલી આપી હતી તે પૈકી પ્રવેશ સમિતિએ પડતા વિચિત્ર સ્થિતિ જોવા મળી રહી છે. 28750 વિદ્યાર્થીને કોલેજની ફાળવણી કરી હતી. ફી ભરવા માટે 26મી સપ્ટેમ્બર સુધીની મુદત આપવામાં આવી હતી. પ્રવેશ સમિતિએ જાહેર કરેલા શિશ્યુલ પ્રમાણે 28મીએ ખાલી બેઠકની વિગતો પ્રવેશ સમિતિની વેબસાઈટ પર જાહેર કરવામાં આવી છે. જે પ્રમાણે 28750

ઘો.12માં માસ પ્રમોશનના કારણે પરીક્ષા આપનારા તમામ પાસ થયા હોવાથી બેઠક કુલ થઈ ગયો તેવું માનવામાં આવતું હતું. પહેલા રાઉન્ડ બાદ આ ગણતરી ઉઠી પડી છે. હાલમાં ભરાયેલી બેઠક કરતાં ખાલી બેઠકની સંખ્યા અનેકગણી વધારે છે. બીજા રાઉન્ડમાં હજુ વધુ પાંચ હજાર વિદ્યાર્થીઓ પ્રવેશ મેળવે તો પણ 50 ટકા બેઠક ખાલી પડશે તે નક્કી છે.

આમ છતાં અનેક સ્વનિર્ભર કોલેજોએ પોતાની મેનેજમેન્ટ ક્વોટાની બેઠક પૈકી અનેક બેઠક ભરવા માટે પ્રવેશ સમિતિને સોંપી દેવામાં આવી છે. જેના કારણે પ્રવેશ સમિતિએ કુલ 50293 બેઠક માટે પ્રક્રિયા શરૂ કરી હતી. પહેલા રાઉન્ડમાં ચોઈસ થવાના બદલે મોટા પાયે બેઠક ખાલી આપી હતી તે પૈકી પ્રવેશ સમિતિએ પડતા વિચિત્ર સ્થિતિ જોવા મળી રહી છે. 28750 વિદ્યાર્થીને કોલેજની ફાળવણી કરી હતી. ફી ભરવા માટે 26મી સપ્ટેમ્બર સુધીની મુદત આપવામાં આવી હતી. પ્રવેશ સમિતિએ જાહેર કરેલા શિશ્યુલ પ્રમાણે 28મીએ ખાલી બેઠકની વિગતો પ્રવેશ સમિતિની વેબસાઈટ પર જાહેર કરવામાં આવી છે. જે પ્રમાણે 28750

Nav Gujarat Samay

29/09/2021

ડિગ્રી ઈજનેરીમાં પ્રથમ રાઉન્ડના અંતે ૩૨ હજારથી વધુ બેઠકો ખાલી

અમદાવાદ, મંગળવાર

ડિગ્રી ઈજનેરીની આનલાઈન સેન્ટ્રલાઈઝડ પ્રવેશ પ્રક્રિયામાં પ્રથમ રાઉન્ડ પૂર્ણ થઈ ગયો છે અને પ્રથમ રાઉન્ડના અંતે ૩૨ હજારથી વધુ બેઠકો ખાલી પડી છે. પ્રવેશ સમિતિએ ભરવાની થતી કુલ ૫૦૨૯૩ બેઠકોમાંથી પ્રથમ રાઉન્ડમાં ૨૮૭૫૦ બેઠકો પર સીટ એલોટમેન્ટ થયું હતું. આમ પ્રથમ રાઉન્ડની સીટ ફાળવણીમાં ૨૧૫૪૩ બેઠકો ખાલી રહી હતી અને જે વિદ્યાર્થીઓને પ્રવેશ મળ્યો હતો તેમાંથી ૧૮૨૨૪ વિદ્યાર્થીએ જ ફી ભરીને પ્રવેશ કન્ફર્મ કરાવ્યો છે.

૫૦,૨૯૩ બેઠકમાંથી ૨૮,૭૫૦ વિદ્યાર્થીને એલોટમેન્ટ બાદ ૧૮૨૨૪ વિદ્યાર્થીએ જ પ્રવેશ કન્ફર્મ કરાવ્યો

ડિગ્રી ઈજનેરીની ૬૭ હજારથી વધુ બેઠકોમાંથી ખાનગી કોલેજો-યુનિ.ઓની ૫૦ ટકા મેનેજમેન્ટ ક્વોટાની બેઠકોને બાદ કરતા આ વર્ષે પ્રવેશ સમિતિએ ભરવાની ૫૦૨૯૩ બેઠકો માટે પ્રથમ રાઉન્ડમાં સીટ એલોટમેન્ટ કરવામાં આવ્યું હતું. આ વર્ષના મેરિટમાં સમાવિષ્ટ ૩૪૬૧૬

વિદ્યાર્થીમાંથી ૩૧૭૫૫ વિદ્યાર્થીએ પ્રથમ રાઉન્ડમાં ભાગ લઈને ચોઈસ ફિલિંગ કર્યું હતું. જેમાંથી ૨૮૭૫૦ વિદ્યાર્થીને મેરિટ અને ચોઈસ મુજબ બેઠક મળી હતી.

પ્રવેશ મેળવનારા ૨૮૭૫૦ વિદ્યાર્થીમાંથી ૧૮૫૮૮ વિદ્યાર્થીએ ફી ભરી પ્રવેશ કન્ફર્મ કરાવ્યો હતો. જેમાંથી પણ ૩૭૫ વિદ્યાર્થીએ ૨૮મી સુધીમાં ફી ભરી બાદ એડમિશન કેન્સલ કરાવ્યું હતું. આમ પ્રથમ રાઉન્ડમાં માત્ર ૧૮૨૨૪ વિદ્યાર્થીનો જ પ્રવેશ કન્ફર્મ થયો છે. હવે ખાલી પડેલી ૩૨ હજારથી વધુ બેઠકો માટે ૩૦મીથી બીજો રાઉન્ડ શરૂ થશે. ૩૦મીએ જેઈઈ મેઈનના આધારે મેરિટ જાહેર થશે અને માત્ર જેઈઈ મેઈન જ આપનારા અને મેરિટમાં સમાવિષ્ટ વિદ્યાર્થીઓ બીજા રાઉન્ડમાં ઉમેરાશે.

Gujarat Samachar

29/09/2021

બીજા રાઉન્ડના એલોટમેન્ટ સાથે ઓલ ઈન્ડિયા રેન્કના વિદ્યાર્થીઓને કોલેજ મળશે ડિગ્રી ઈજનેરીમાં પ્રથમ રાઉન્ડના અંતે ૩૧,૬૮૪ સીટ ખાલી પડી, ૩૦મી સપ્ટેમ્બરે બીજો રાઉન્ડ

માત્ર ૧૮,૫૮૮ વિદ્યાર્થીઓએ જ રિપોર્ટિંગ કરાવ્યું, ૮,૭૭૬ સારી કોલેજની રાહમાં

અમદાવાદ

ડિગ્રી ઈજનેરીમાં એસીપીસી દ્વારા આજે ખાલી સીટના આંકડા જાહેર કરવામાં આવ્યા છે. એસીપીસી હસ્તકની ૫૦,૨૯૩ સીટ પૈકી ૨૮,૭૫૦ સીટનું એલોટમેન્ટ કરવામાં આવ્યું હતું. તે પૈકી ૧૮,૫૮૮ વિદ્યાર્થીઓએ રિપોર્ટિંગ કરતા ૩૧,૬૮૪ સીટ ખાલી પડી છે. ૩૭૫ વિદ્યાર્થીઓએ સીટ કન્ફર્મ કર્યા પછી સીટ ૨૬ કરાવી હતી. ગત વર્ષ કરતા આ વર્ષે ૫૦૦ જેટલા વધુ વિદ્યાર્થીઓએ રિપોર્ટિંગ કરાવ્યું છે.

કમિટીએ ૨૮,૭૫૦ વિદ્યાર્થીઓને સીટ ફાળવી હતી પરંતુ તે પૈકી પ્રથમ રાઉન્ડ પછી ૧૮,૫૮૮ વિદ્યાર્થીઓએ જ રિપોર્ટિંગ કરાવ્યું છે. ૩૭૫ વિદ્યાર્થી એવા હતા કે તેણે એડમિશન કન્ફર્મ કરાવ્યા પછી ૨૬ કરાવ્યું હતું. બાકીના ૮,૭૭૬ વિદ્યાર્થીઓને જે કોલેજ મળી હતી ત્યાં જવાની તેમની ઈચ્છા

નહોતી. તેના કારણે તેમણે રિપોર્ટિંગ કરાવ્યું નહોતું. બાકીના વિદ્યાર્થીઓ હજુ ઈચ્છી ચોઈસ પર જવા માંગે છે. હવે કમિટી દ્વારા ૩૦મીએ બીજા રાઉન્ડનું એલોટમેન્ટ કરવામાં આવશે. ત્યારે ઓલ ઈન્ડિયા રેન્કના વિદ્યાર્થીઓને પણ એલોટમેન્ટ કરવામાં આવશે.

હજુ મેનેજમેન્ટ અને એનઆરઆઈ ક્વોટામાં પ્રક્રિયા ચાલી રહી છે. તેમાં કેટલા વિદ્યાર્થીઓ એડમિશન મેળવે છે તેના આધારે ખાલી સીટનો આંકડો વધતો જશે. જે કોલેજોને મેનેજમેન્ટ ક્વોટામાં વિદ્યાર્થીઓ મળી શકે તેમ નથી તેવી કોલેજો કમિટી સમક્ષ સીટ સરેન્ડર કરશે તે તબક્કો હજુ બાકી છે. આ વર્ષે માસ પ્રમોશન હોવા છતાં પણ એ સુપના વિદ્યાર્થીઓની સંખ્યા સતત ઘટતી જાય છે. તેના કારણે ઈજનેરી કોલેજોમાં ખાલી સીટનો આંકડો વધતો જાય છે.

આ વર્ષે પણ ૩૨,૦૦૦ કરતા વધુ સીટ

ભરાય તેવી શક્યતા છે. કોલેજો કદાચ વધુ જોર કરે તો પણ ૩૪,૦૦૦ જેવી સીટ ભરાય તેમ છે. તેના કરતા વધુ સીટ ભરાય તેવી કોઈ શક્યતા નથી. ૨૦૧૫થી ઈજનેરીમાં સીટ ભરાવાનું પ્રમાણ ઘટતું ચાલ્યું છે. જે સિલસિલા આજ પર્યંત ચાલુ રહ્યો છે.

શિક્ષણ વિભાગે અગાઉ એ સુપમાં અને ઈજનેરી અભ્યાસક્રમ તરફ વિદ્યાર્થીઓ આકર્ષાય તે માટે યોજના ઘડી હતી. પરંતુ ત્યારબાદ શું થયું? તેની કોઈને ખબર નથી. પરંતુ હાલમાં આ અંગે કોઈ કાર્યવાહી આગળ વધી નથી. તેના કારણે નવી નવી કોલેજો ખૂલે છે પરંતુ તેમને પુરતા પ્રમાણમાં વિદ્યાર્થીઓ જ મળતા નથી. તેના કારણે ખાલી સીટની સંખ્યા વધતી જ જાય છે.

Sandesh

29/09/2021

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Ujwal Gupta

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