

SALITER – CIVIL *INSIGHTS*



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I am pleased to congratulate Civil Department for issuing second issue of Departmental eNewsletter "SALITER-CIVIL INSIGHTS". Huge congrats to the editorial team. A wide number of readers are welcomed by the newsletter "SALITER-CIVIL INSIGHTS" perspectives from the Department of Civil Engineering. The faculty's job is to develop students' talents and skills for their future. Let this be a forum for professors and students to show their creative abilities and revolutionary ideas. The outside world will come to know about the achievements and extraordinary performances of the students and faculties through this online medium. My best wishes will always be with this type of good efforts of the Civil Department.

Editorial Team

Prof. V. G. Patel, H.O.D.
Prof. C. N. Patel
Prof. Bibhabasu Mohanty

Dr. Rupesh P. Vasani

Ph.D. Engg (WRM-Civil Engg),
 Ph.D. Mgt, Post Doctoral,
 Diploma in Bus. Entrepreneurship
 PGDIRPM, MBA

Message from Head of Department



I hereby very much happy with the second issue of department newsletter “SALITER-CIVIL INSIGHTS” & congratulations indeed to editors team, faculties of Department & Students also. This will act as mirror of department & will provide the platform to appreciate faculties & students both for their extra ordinary achievements. Newsletter really show the talents of newcomers and I hope one enjoy reading about our success to become one of the best team.

Without conventional classroom teaching we are more focusing on lively & more interesting classroom by using models, animations & simulations with the PPT presentations and digital media which ultimately gives us higher university exam results. During the COVID – 19 pandemic time we have taken more than 200 very effective online lectures with live interaction with the students. Also, more focusing on practical teaching & laboratory work provides students sound technical knowhow with deep understanding of concept to built confidence cannot be denied. We are going through this motto to take department on new height with the support of Director Sir & Management as well.

Prof. V. G. Patel

Head, Dept of Civil Engg.,
SAL Inst. of Technology & Engg. Research

Summary of Departmental Activity (July – December, 2020)	
Seminar/Workshop/Webinar organized by Department	1
Alumni meet Organized by Department	1
Paper Published/Presented by Faculties	2
Webinar attended by Faculties	77
Expert Talk delivered by Faculties	4

VISION OF CIVIL DEPARTMENT

To achieve *Excellence in Technology, Innovation and Research* in higher education of civil engineering in ethical way to Lead and Serve the Nation with integrity and credibility

MISION OF CIVIL DEPARTMENT

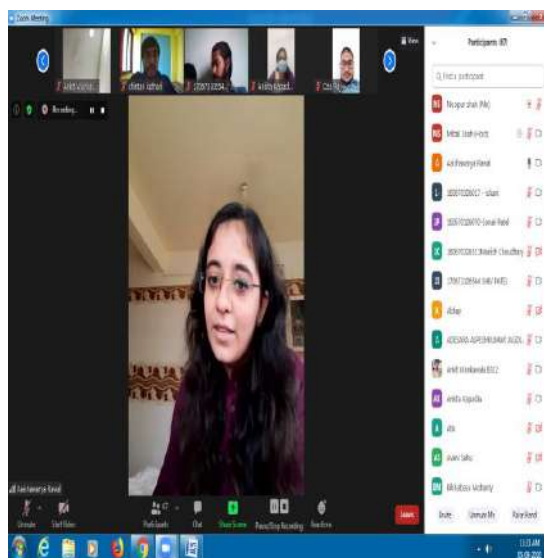
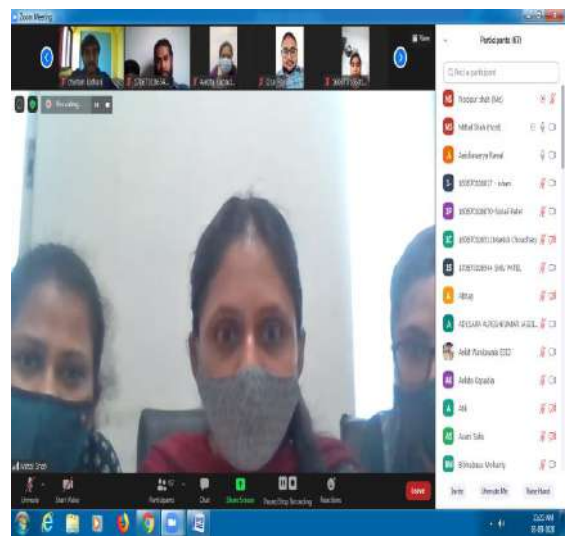
- ✚ Create and develop sustained environment of learning.
- ✚ To produce high caliber and dynamic Civil Engineers with due consideration of Economy, Ecology and Ethical issues of nation.
- ✚ To provide highly competent Civil Engineers to society and construction industry.
- ✚ To assist in developing nation capabilities globally with respect to Science, Technology and Research.

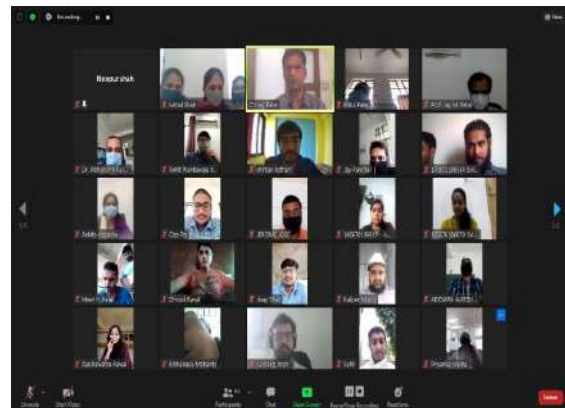
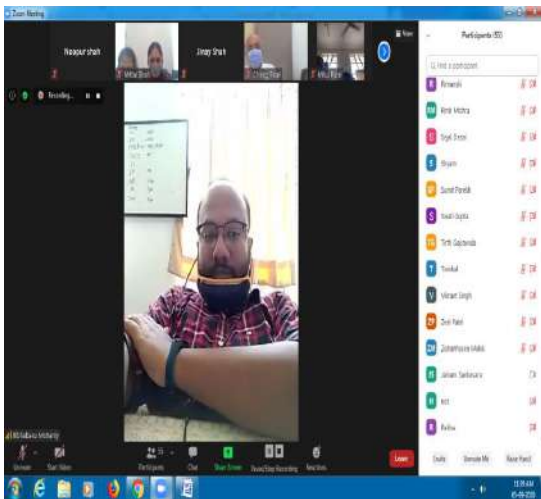
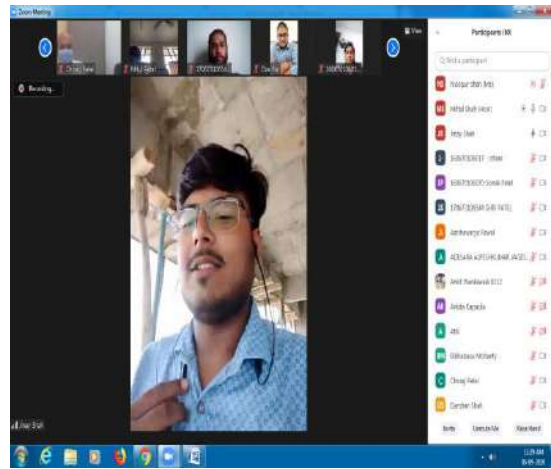
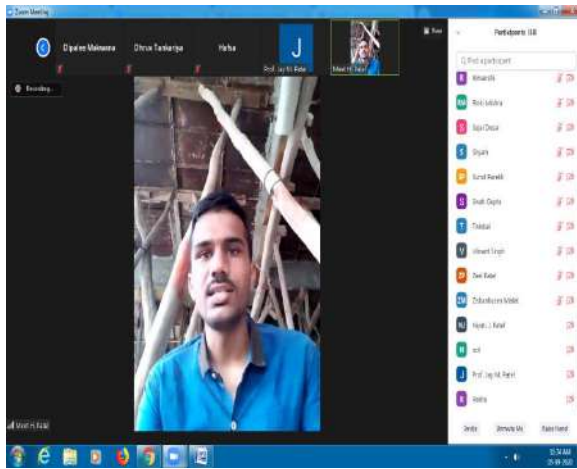
PROGRAMME EDUCATIONAL OBJECTIVES

- ✚ Graduates will able to apply fundamental principles of science, mathematics and engineering using modern tools to solve the societal and environmental problems.
- ✚ Graduates are able to use their practical, field survey, computer and analytic skills to build industry ready engineers to solve multi-disciplinary sustainable projects.
- ✚ Graduate applies innovative ideas to improve the technical competency in engineering decisions, lifelong learning, to equip leadership qualities in diverse teams, promote and practice appropriate ethical moral to become professional engineers.

Departmental Events (Alumni meet)

The Alumni Association of Civil Engineering Department - Sal Institute of Technology and Engineering Research organized **"Virtual Annual Alumni Meet – 2020"** on **05-09-2020**- a programmed to facilitate and encourage, consolidate and coordinate Graduated class Activities at Sal Institute of Technology and Engineering Research(online mode). The arranged objective was to associate with the graduated class, arranging future occasions, conducting Graduated class Fulfillment Study, Taking Graduated class Criticism etc was conducted successfully.

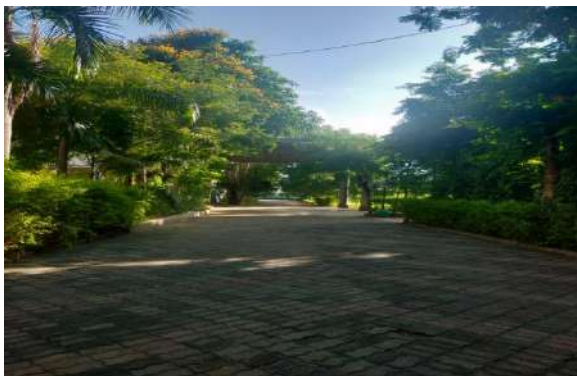




Departmental life at a glance



(Corona time activity by students of Civil engineering department)



(Morning view of the institute)



(Farewell to Dr. Abhiitsinh Parmar)



(Photo of graduating students)



Faculty Achievements

- Prof. Bibhabasu Mohanty has written reference book “Water and Wastewater Engineering” by LAMBERT Publication, Germany. (ISBN NO. 9786202917643) September 2020.
- Prof. Bibhabasu Mohanty has successfully completed 12 weeks Faculty Development Program NPTEL certification course by AICTE on “Integrated waste management for a smart city” Sept- Dec 2020.
- Prof. Bibhabasu Mohanty has become reviewer in international journal, Journal of agricultural science and technology, USA from 30th October 2020.
- Prof. Bibhabasu Mohanty has participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Environmental Geotechnology" from 14-09-2020 to 18-09-2020.
- Prof. Bibhabasu Mohanty has participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Waste Technology" from 12-10-2020 to 16-10-2020.
- Prof. Rekha Patel working on “EngInnes” ERASMUS+ project as project co-ordinator on behalf of SALITER. EngInnes Project is of 3 year tenure from jan 2020 to dec 2022, with an objective to develop innovative Systems linking Academic Education in Engineering and Informatics with Labour Market's Needs (Co-funded by European union).
- Prof. Jigar Zala has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Concrete Technology and Sustainable construction Practices" from 21-9-2020 to 25-9-2020.
- Prof. Jigar Zala has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Earthquake Engineering" from 1-12-2020 to 5-12-2020.
- Prof. Jigar Zala has secured First Rank in E-Paper Presentation event at State Level Virtual TechFest on Engineer’s Day, September 2020.
- Prof. Jigar Zala has secured Second Rank in E-Poster Presentation event at State Level Virtual TechFest on Engineer’s Day, September 2020.
- Prof. Deep Patel had completed QGIS training by Central University of Karnataka by online mode.

Webinar Organized

- Prof. Mitul Patel coordinated five days national webinar series on “Prospects in civil engineering in current scenario” organized by Department of Civil Engineering on date 21st to 25th September, 2020.

Expert Talk Delivered

- Prof. Bibhabasu Mohanty has delivered an expert talk (Online) on “How to write a good research paper” Department of Civil Engineering, Sankalchand Patel College of Engineering, Visnagar on 25th October, 2020.
- Prof. Bibhabasu Mohanty has delivered an expert talk (Online) on “Green Economy in sustainable development” in five days national webinar series on “Prospects in civil engineering in current scenario” organized by Department of Civil Engineering on date 21st to 25th September, 2020.
- Prof. Chirag Patel has delivered an expert talk (Online) on “Smart building” in five days national webinar series on “Prospects in civil engineering in current scenario” organized by Department of Civil Engineering on date 21st to 25th September, 2020.
- Prof. Kunj Patel has delivered an expert talk (Online) on “Basics of Valuation-Indian scenario” in five days national webinar series on “Prospects in civil engineering in current scenario” organized by Department of Civil Engineering on date 21st to 25th September, 2020.

Paper Published/presented

- Prof. Bibhabasu Mohanty has published a paper “Removal of color from domestic and industrial treated effluent by using aluminium sulphate as a coagulant and sodium hydrosulphite as reducing agent”, Aegaeum Journal, Volume 8, Issue 3, 2020.
- Prof. Jigar Zala has presented a paper “A Study on Strength Enhancement and Properties of Concrete with and without Magnetized Water” State level Virtual TechFest on September, 2020.

Seminar/Webinar/Conference attended

- Prof. Bibhabasu Mohanty had attended a webinar on “Urban water management with a case study of 24x7 water supply” organized by Department of Civil Engineering, Sankalchand Patel College of Engineering, Visnagar on 3rd November, 2020.
- Prof. Bibhabasu Mohanty has actively participated in the One Day National Webinar On “Intellectual property: know your rights to stride into “ATMANIRBHAR BHARAT” held on 27th August 2020, under the aegis of Department of Computer Science in collaboration with WB-MPHEQIP’s “Academic Excellence” Initiative & under the UMBRELLA of IQAC.
- Prof. Bibhabasu Mohanty has successfully attended 05 days Faculty Development Programme on “Performing Experiments on Virtual Labs” from 10th to 14th August 2020 organized by Baba Farid College of Engineering and Technology, Bathinda in collaboration with College of Engineering Pune.
- Prof. Bibhabasu Mohanty has successfully participated International Webinar on ‘Green & Sustainable Building Materials and Utilization of C&D Waste’ organized by Department of Civil Engineering, JUET Guna (MP), India on December 05, 2020.
- Prof. Jigar Zala has attended a webinar on “Water Resources Management” organized by The Institution of Engineers (India), Gujarat State Center, Ahmedabad, L.D.College of Engineering, Ahmedabad & Water Management Forum on 29th Aug, 2020
- Prof. Jigar Zala has attended a webinar on “National Education Policy 2020 – The Brighter Future of Education” organized by ASSOCHAM National Council on Education on 3rd September, 2020.
- Prof. Jigar Zala has attended a webinar on "Inspiring Engineering Innovation" Organized by Dr. S. & S. S. Ghandhy Government Engineering College, Surat on 31st August 2020.
- Prof. Jigar Zala has attended a webinar on "TAKE THE RIGHT STEP FORWARD - An insight to CAREER PATH post-Civil Engineering" Organized by Civil Engineering Department, Dr. S. & S. S. Ghandhy Government Engineering College, Surat on 5th September 2020
- Prof. Jigar Zala has attended a webinar on “Durability of Concrete” Concrete Day Celebration in Association with Indian Concrete Institute, Surat & UltraTech Cement Limited Organized by SVNIT on Sep 10, 2020.
- Prof. Jigar Zala has attended a webinar on "Virtual Concrete Day Celebration" organized by Indian Concrete Institute Western UP Centre Ghaziabad & UltraTech Cement Limited dated on Sat, Sep 12, 2020.

- Prof. Jigar Zala has attended a webinar on "Scope of Civil Engineering in European Countries: A Discussion on Myth Vs Reality" Organized by the Civil Engineering Department, Dr. S. & S. S. Ghandhy Government Engineering College, Surat on 12th September 2020.
- Prof. Jigar Zala has attended a webinar on "The Blessings of river Narmada - A National Historical Perspective" organized by VGEC dated on 15th September, 2020.
- Prof. Jigar Zala has attended a webinar on "The Role of Engineer's In Sustainability" organized by GTU on 15th September, 2020.
- Prof. Jigar Zala has attended a webinar on "NEP 2020 KNOWLEDGE SERIES: Transforming Higher Education- Financial Aspects" Hosted by ASSOCHAM INDIA dated on Sep 16, 2020.
- Prof. Jigar Zala has attended a webinar on "Modern Measures on Corrosion of Concrete Structures" organized by Applied Mechanics Department, Dr. S. & S. S. Ghandhy Government Engineering College, Surat on 22nd September 2020.
- Prof. Jigar Zala has attended a webinar on "Digital Revolution in Professional Practices" Organized by the Civil Engineering Department, of Dr. S. & S. S. Ghandhy Government Engineering College, Surat on 9th October 2020.
- Prof. Jigar Zala has attended a webinar on "Repair, Rehabilitation and Retrofitting of RCC Structures" Organized by the Civil Engineering Department, of Dr. S. & S. S. Ghandhy Government Engineering College, Surat on 10th October 2020.
- Prof. Jigar Zala has attended a webinar on "AICTE-IDEA Lab" Organized by AICTE Delhi on 1st January 2021.
- Prof. Alpesh Adesara has attended National Level webinar on topic "Development of Prefabricated Dry Construction Technology in Building" organized by A.J. Institute of Technology and engineering, Manglore on dated 8th July, 2020
- Prof. Alpesh Adesara has attended National Level webinar on topic "Structural Analysis" organized by St Joseph college of engineering, Chennai on dated 1th July, 2020
- Prof. Alpesh Adesara has attended National Level webinar on topic "Why Academic journal Publication is important" organized by Thiruvalluvar University, Tirapattur on dated 4th July, 2020
- Prof. Alpesh Adesara has attended 1-week International eFDP on "ICT based Teaching and Learning Process" organized by Roorkee College of Polytechnic, Roorkee from 1st July to 5th July, 2020
- Prof. Alpesh Adesara has attended National Level webinar on topic "Emerging Trends in Electrical Vehicles" organized by Francis Xavier Engineering College, Tirunelveli on dated 10th July, 2020

- Prof. Alpesh Adesara has attended National Level webinar on topic “Low cost Rural Housing Construction Practice” organized by V.R.S. College of engineering and Technology, Arasur on dated 11th July, 2020
- Prof. Alpesh Adesara has attended National Level webinar on topic “Art of Writing Research Articles in Scopus Index Journals” organized by M.M.E.S. Arts and Science College, Melvisharam on dated 12th July, 2020
- Prof. Alpesh Adesara has attended National Level webinar on topic “Writing a Research Proposal” organized by St Joseph Engineering College, Mangaluru on dated 17th July, 2020
- Prof. Alpesh Adesara has attended National Level webinar on topic “Eigenvalue Problems in Civil Engineering” organized by KPR Institute of Engineering and Technology on dated 16th July, 2020
- Prof. Alpesh Adesara has successfully attended National Level Quiz on topic “Structural Analysis” organized by Ramaiah University of Applied Sciences on dated 19th July, 2020
- Prof. Alpesh Adesara has attended 1-week International eFDP o “Application of ICT Tools for Enhancement of E-Learning and Teaching Pedagogy” organized by Integral University, Lucknow from 8st July to 14th July, 2020
- Prof. Alpesh Adesara has attended National Level webinar on topic “Special Concretes” organized by St Joseph college of engineering, Chennai on dated 21st July, 2020
- Prof. Alpesh Adesara has attended National Level Virtual Quiz on topic “Tech Intellect 2020” organized by Parul Institute of technology and Engineering, Baroda on dated 24th July, 2020
- Prof. Alpesh Adesara has attended National Level Quiz on topic “Strength of Materials” organized Vishnu Institute of Technology, Bimavaram on dated 24th July, 2020
- Prof. Alpesh Adesara has attended National Level webinar on topic “Pushover analysis and Retrofitting of RC structures” organized by S J M Institute of Technology Chitradurga on dated 27th July, 2020
- Prof. Alpesh Adesara has attended 1week International eFDP o “One week online national faculty development program on E-Contents and ICT tools for innovative and Effective teaching” organized by KS Jain Institute of Engineering and Technology, Ghaziabad from 15st July to 21th July, 2020
- Prof. Alpesh Adesara has attended National Level webinar on topic “Artificial Intelligence an Digital Twins+ BIM+ Computer Vision” organized by ASCE-USWER in association with K.D.K. College of Engineering, Nagpur on dated 28th July, 2020
- Prof. Alpesh Adesara has attended National Level webinar on topic “Utilization of Polyester fiber for Improved properties of Concrete” organized by Girirajbai Sal Institute of Technology, Karwar on dated 2nd August, 2020

- Prof. Alpesh Adesara has attended National Level webinar on topic “Construction Project Mgmt with Innovative tools and techniques” organized by SRM institute of Science and Technology on dated 10th August, 2020
- Prof. Alpesh Adesara has attended National Level webinar on topic “Improve your Time Mgmt” organized by RITE, Bhubaneswar on dated 29th August, 2020
- Prof. Alpesh Adesara has attended National Level webinar on topic “Vastu Solutions – A Scientific Approach” organized by Rajiv Gandhi Proudyogiki Vishwavidhalaya, Bhopal on dated 5th September, 2020
- Prof. Alpesh Adesara has attended National Level webinar on topic “Improve your Time Mgmt” organized by RITE, Bhubaneswar on dated 29th August, 2020
- Prof. Alpesh Adesara has attended National Level webinar on topic “Green Sustainable Building materials and utilization of C & D waste organized by Jaypee University of Engineering and Technology, Guna, MP on dated, 5th December 2020.
- Prof. Ankita Kapadia had attended a webinar on “Road safety considerations for Indian road traffic conditions” organized by Department of Civil engineering, NNRESGI, Hydrabad on 18th July 2020.
- Prof. Ankita Kapadia had attended a webinar on “Research Methodology and Technical Writing “organized by Department of civil engineering Dr. S.&S.S. Ghandhy Government College, Surat during 1st to 5th December,2020.
- Prof. Ankita Kapadia had attended a webinar on “Quantity Surveying” organized by Department of Civil engineering, Mohammed Sarthak College of Engineering, Chennai, on 12th December, 2020.
- Prof. Ankita Kapadia had attended a webinar on “Application of GIS and Remote Sensing in Civil Engineering” organized by Department of Civil Engineering, LD. College of Engineering, Ahmedabad, during 15th to 19th December ,2020.
- Prof. Darshan Shah had attended 5 days National webinar series on organized by Department of Civil Engineering, SAL Institute of Technology & Engineering Research, Ahmedabad on 21st – 25th September, 2020.
- Prof. Jay Panchal had attended webinar on “Importance of System Formwork in Construction Industry” organized by Department of Civil Engineering, LDRP Institute of Technology & Research, Gandhinagar on 21st July, 2020.
- Prof. Rekha Patel attended one-week online short term training programme(STTP) on “outcome-based education and NBA accreditation process” organized by Department of Civil Engineering, L.D. College of Engineering, Ahmdabad from 28 dec 2020 to 02 jan 2021.

- Prof. Kunj Patel had attended a webinar on “The essence of Markets in Valuation Analysis” organized by Prof. Aswath Damodaran organised by RBSA advisors on 23rd July, 2020.
- Prof. Kunj Patel had attended a webinar on “Approach in identifying cracks in civil constuction” organized by The Indian Institute of Insurance Surveyors and Loss Assessors on 18th August, 2020.
- Prof. Kunj Patel had attended a webinar on “Structural Audit in Civil Works” organized by The Indian Institute of Insurance Surveyors and Loss Assessors on 22th August, 2020.
- Prof. Kunj Patel had attended a webinar on “The essence of Markets in Valuation Analysis” organized by Prof. Aswath Damodaran organised by RBSA advisors on 23rd July, 2020.
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- Prof. Kunj Patel had attended a webinar on “Structural Audit in Civil Works” organized by The Indian Institute of Insurance Surveyors and Loss Assessors on 22th August, 2020.
- Dr. Sejal Desai has completed one week training program on, “SWAT Modelling” organized by National Institute of Hydrology (NIH) Roorkee, during 21st to 25th September 2020.
- Dr. Sejal Desai has attended one week Short Term Training Program on, “Research Methodology and Technical Writing” organized by Department of Civil Engineering, Dr. S. S. Gandhi Government Engineering College, Surat, during 1st to 5th December 2020.
- Dr. Sejal Desai has attended one week Short Term Training Program on, “Application of GIS & Remote Sensing in Civil Engineering” organized by Civil Engineering Department, L. D. College of Engineering, Ahmedabad, during 15th to 19th December 2020.
- Prof. Hettal M Tokle had attended a webinar on “Research Methodology” organized by Department of Civil Engineering, Sankalchand Patel College of Engineering, Visnagar on 25th October, 2020.
- Prof. Hettal M Tokle had attended a webinar on “Dharoi Dam: A life line of North Gujarat” organized by Department of Civil Engineering, Sankalchand Patel College of Engineering, Visnagar on 28th October, 2020.
- Prof. Hettal M Tokle had participated the in the GUJCOST Sponsored One week Online Short Term Training Program (STTP) on “Application of GIS & Remote Sensing in Civil Engineering” organized by Department of Civil Engineering, L. D. College of Engineering, Ahmedabad from 15th December 2020 to 19th December 2020.
- Prof. Hettal M Tokle had participated in the GUJCOST Sponsored One Week Online Short Term Training Programme on "Research Methodology and Technical Writing" organized by Department of Civil Engineering, Dr. S. & S S Ghandhy Government Engineering College, Surat from 1st December 2020 to 5th December 2020.

- Prof. Hettal M Tokle had participated in the DTE Approved One-week Online (STTP) Short Term Training Programme on “Outcome-Based Education and NBA Accreditation Process” organized by Department of Civil Engineering, L. D. College of Engineering, Ahmedabad from 28th December 2020 to 2nd January 2020.
- Prof. Hiren Patel had attended a webinar on ‘53rd Engineer’s Day Celebration on the theme “Engineers for Self – Reliant India” organized by The Institute of Engineers (India), Vallabh Vidyanagar Local Centre, on 15th September, 2020.
- Prof. Hiren Patel had attended International Webinar on “Road Safety Considerations for Indian Road Traffic Conditions” organized by Dept. of Civil Engineering, NNRESGI, on 18/07/2020.
- Prof. Hiren Patel had attended one week Online Short-Term Training Program (STTP) on “Recent Advances in Transportation Research” organized by Civil Engineering Department, IITE, Indus University, during 21st December 2020 - 25th December 2020.
- Prof. Hiren Patel had attended one day webinar “Research Methodology” organized by Department of Civil Engineering, Sankalchand Patel College of Engineering, Sankalchand Patel University, Visnagar on 25th October, 2020
- Prof. Hiren Patel had attended attended 5 days national webinar series on “ Prospects in Civil Engineering Current Scenario” organized by Department of Civil Engineering, SAL Institute of Technology & Engineering Research from 21st to 25th September, 2020.
- Prof. Hiren Patel had attended one week online STTP from 28th Dec to 1st Jan 2021 “Building Energy efficiency: And approach towards sustainable development” sponsored by GUJCOST organized by department of civil, mechanical and electrical engineering IITE Indus University Ahmedabad.
- Prof. Jay M. Patel had attended a Short-term training Program (STTP) on “Challenges and Remedies in Various fields of Civil Engineering Constructions” Conducted by School of Civil Engineering, Vellore Institute of Technology, Chennai during 21-26 September, 2020.
- Prof. Jay M. Patel had attended a full day webinar on “Virtual Industry Conclave (Civil Engineering Industries Prospective)” Conducted by School of Civil Engineering, Vellore Institute of Technology, Chennai on 18th December, 2020.
- Prof. Jerome Jose had attended a webinar on “Advanced numerical modelling of ground improvement – Applications on brittle concrete model” organized by Bentley webinar systems on 16th December, 2020.
- Prof. Dr. Mittal Bhavik Shah had attended a webinar on “Urban water management with a case Study of 24x7 water supply” organized by Department of Civil Engineering, Sankalchand Patel College of Engineering, Visnagar on 3 rd November, 2020.

- Prof. Dr. Mittal Bhavik Shah had attended a webinar on “Research Methodology and Technical Writing (RMTW- 2020) organized by Department of civil engineering, Dr. S & S.S. Gandhi Government Engineering College, Surat on 1-5 December, 2020.
- Prof. Dr. Mittal Bhavik Shah had attended a webinar on “Application of GIS & Remote Sensing in Civil Engineering” Organized by Department of Civil Engineering, L. D. College of Engineering, Ahmadabad on 15 to 19 December, 2020.
- Prof. Noopur Shah had attended a webinar on ““Research Methodology” Organized by Department of Civil Engineering, Sankalchand Patel College of Engineering, Visnagar on 25th October, 2020.
- Prof. Deep Patel had attended a webinar on “Perspective on Government Tendering & Contracts Managements” organized by Easwari Engineering college, Chennai on 11th September, 2020.
- Prof. Rinki Mishra had attended a webinar on “Solid waste management” organized by Department of Civil Engineering, Multani Mal Modi College, Patiala on 10rd November, 2020.
- Prof. Rinki Mishra had attended short term training Programme on “Outcome based education and NBA Accreditation process” organised by L.D. college of Engineering Ahmadabad on 28/12/2020 to 02/01/2021

Student Achievements

- PG Student Dhattiwala Vadid has secured First Rank in E-Paper Presentation event at State Level Virtual TechFest on Engineer’s Day, September 2020.
- PG Student Puthawala Mohd Yamin has secured Second Rank in E-Poster Presentation event at State Level Virtual TechFest on Engineer’s Day, September 2020.