



SALITER – CIVIL

INSIGHTS



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Editorial Team

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

From Director's Desk



I am pleased to congratulate Civil Department for issuing fourth issue of Departmental e-Newsletter "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.

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 the Department



I hereby very much happy with the fourth 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 aswell.

Prof. V. G. Patel

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

Summary of Departmental Activity (Jan – June, 2021)	
Seminar/Workshop/Webinar organized by Department	2
Expert Talk delivered by Faculties	2
Paper Published/Presented by Faculties	2
Webinar attended by Faculties	37

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 (Seminar Organized)

- Prof. Jigar Zala has coordinated one day Expert Talk on “**Interesting Structures of Special Project**” organized by Department of Civil Engineering, SALITER dated on 11th December,2021.
- Prof. Jigar Zala, Alpesh Adesara, and Noopur Shah coordinated seminar on “**Where Practice Meets Theory**”.

SAL
EDUCATION

**SAL INSTITUTE OF TECHNOLOGY &
ENGINEERING RESEARCH**
EXPERT TALK ON

“INTERESTING STRUCTURES OF SPECIAL PROJECT”
BY
MR. HRUSHIKESH PATEL
HEAD, PTC CONSULTANTS, AHMEDABAD

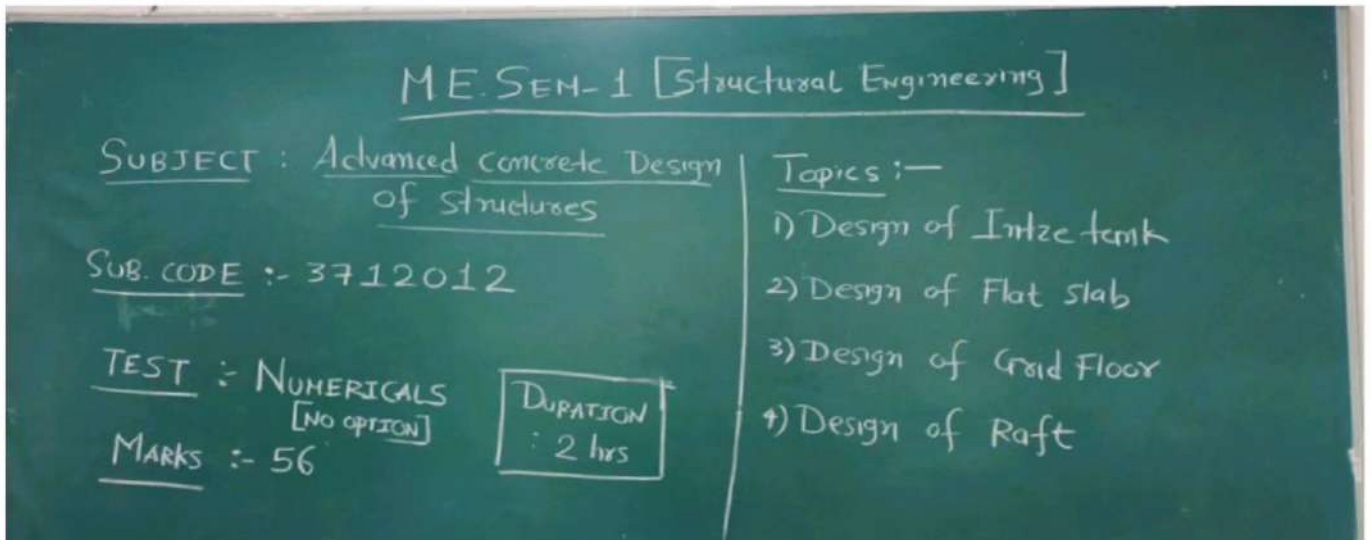
ORGANIZED BY
CIVIL ENG. DEPT. [IME STRUCTURAL ENG.]

DATE & TIME: 11-12-2021 [9:30 AM ONWARDS] PLACE: SAL ITER, CED

An Excellent Technical Session was Delivered by Mr. Hrushikesh Patel, Student of ME (Structure) had great learning through the interaction and It was indeed a Knowledgeable Session. “Where Practice Meets Theory”. **Project Explained: Mahatma Mandir Project**



Department at a glance



“NO OPTION NUMERICAL TEST “WAS CONDUCTED FOR M.E. STRUCTURE (SEM -1) TO CHECK THEIR KNOWLEDGE ABOUT THE SUBJECT AND ALSO GIVE THEM FEEL ABOUT THE DIFFERENCE BETWEEN UG AND PG EXAM. IFACULTY : PROF. ALPESH ADESARA!

DEPARTMENTAL FILE WORK [ALWAYS CONTINUOUS PROCESS]

WE, SALITER, Civil Department Believes: "Save Paper Promote Digitization"



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|---|---|--|--|---|
| FILE 1 Academic Calendar | FILE 2 Time Table | FILE 3 Minutes of the Meeting | FILE 4 Departmental Committee list | FILE 5 Department Circulars/Notices |
| FILE 6 Training and Placement Cell | FILE 7 Alumni details file | FILE 8 Student Details (Abroad Study) | FILE 9 Industrial Visit + Training + Ex... | FILE 10 Sports and Cultural File |
| FILE 11 Final Year IDPUDP data | FILE 12 Design Engineering File | FILE 13 Result Analysis | FILE 14 GTU CIRCULAR FILE | FILE 15 Work Load of the Departmen... |
| FILE 16 Faculty Achievement Awards | FILE 17 Project Fair Participation Pos... | FILE 18 Student Roll call data | FILE 19 100 Activity point data | FILE 20 Internal marks filling on GTU ... |
| FILE 21 Summer Internship File | FILE 22 Laboratory Detail | FILE 23 Departmental Library (List of... | FILE 24 PG record files | FILE 25 GTU Academic Inspection an... |
| FILE 26 NBA file | FILE 27 FACULTY PROFILE | FILE 28 Counselling Data of Student | FILE 29 Department eNewsletter file | FILE 30 Paper publication seminar at... |
| FILE 31 Paper publication seminar at... | FILE 32 Expert Lecture/Guest Lecture ... | FILE 33 Lesson Planning of Subjects | FILE 34 Assignments/Tutorial File of S... | FILE 35 Department Achievements |
| FILE 36 Alternate Load Adjustment R... | Many More Files | | | |

Faculty Achievements

Prof. Chirag Patel

Publish Patent with following Detail.

- Title of the Invention: Method for providing Artificial Intelligence (AI) based Irrigation System associated with IOT Technology”
- Application No: 202121043417 A
- Date of filing application: 24/09/2021
- Publication Date: 29/10/2021

Prof. Rekha Patel

Working on “EngInnes” ERASMUS+ project, co-funded by European Union as a project coordinator on behalf of SALITER. EngInnes Project objective is to develop innovative Systems linking Academic Education in Engineering and Informatics with Labor Market's Needs.

Prof. Jigar Zala

- Appointed as a Member of Editorial Board of the “*International Journal of Advanced Research in Science, Communication and Technology*”, Peer-Reviewed Journal (Lambert Publication's, India, Asia-Pacific) from February-2021.
- Appointed as a Member of Editorial Board of the “*International Journal of Emerging Technologies and Innovative Research*”, Peer-Reviewed Open Access Journal from November-2021.
- Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Fundamentals of Geotechnical and Structural Engineering for Sustainable Infrastructural Development" from 30-08-2021 to 03-09-2021.
- Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Earthquake Resistant Design and Construction Practices" from 29-11-2021 to 03-12-2021.

Expert Talk Delivered

Prof. Jerome Jose

- Prof. Jerome Jose has organized a workshop and delivered an expert talk (Online) on “Entrepreneurship and Innovation as Career Opportunity” as part of Institution's Innovation Council, SAL Institute of technology and engineering research on 26th November, 2021.

Prof. Rekha Patel

- Delivered an expert training to SAL final year students (Online) on “Personal interview” organized by STAR CBC Centre, on dated 4/9/21 and 20/10/21.

Paper Published/presented

Prof. Jigar Zala

- Published a research paper entitled “Parametric Study of P-Delta Effect on Irregular RC Structure with Structural Systems Having Different Density of Shear Walls”, in IJARST, Volume 7, Issue 1, July 2021.
- Published a research paper entitled “Parametric Study on Conventional and Pre-engineered Multistorey Steel Building with Varying Height and Span”, in IJARST, Volume 7, Issue 1, July 2021.

Seminar/Webinar/Conference attended

Prof. Chirag Patel

- Attended one day’s webinar on “Learning from Structural Failure “Sewerage” during 23rd October, 2021 organized by Ultratech Cement LTD.

Prof. Alpesh Adesara

- Attended National Level webinar on Advanced Techniques for Crack Resistant Concrete by Civil Department, AJ College of Engineering, Chennai Bengaluru on dated 03 July, 2021
- Attended National Level webinar on BIM: modern era of civil engineering by Civil Department, VVIT, Bengaluru on dated 07 July, 2021
- Attended National Level webinar on Sustainable construction materials and technologies: A developing country perspective by Civil Department, Bhuvneshwar institute of technology, Odisha on dated 24 July, 2021
- Attended National Level webinar on Creativity, innovation and entrepreneurship under the EDP cell by Civil Department, SETI on dated 30 July, 2021
- Attended 2-day workshop on Day 1: The role Institutions role of Higher Educational Institutions (and HEIs) in the prevention, prohibition and redressal women redressal of sexual harassment of women employee’s employees and students.
- Day 2: To create an Action HEIs Action Plan to empower HEIs to be gender-just and safe spaces in Association of Indian Universities and Martha Farrell Foundation Safe Campus Program held from 30th -31st July’2021.

Prof. Rekha Patel

- Attended one week FDP on “Green technology and sustainable development” during 19th-23rd July, 2021 organized by Department of Civil Engineering, Goel Institute of technology Ghaziabad.
- Attended one-week short term course on “Recent practice in Geotech and transportation engineering” during 26th-30th July, 2021 organized by Department of Civil Engineering, GH Rasoni college of engineering & Management, Pune.
- Attended one day workshop "Current State of Art: Smart Cities and Its Challenges with an Indian Scenario" on 6th Dec, 2021. organized by Department of Civil Engineering, Parul University.

Prof. Rinki Mishra

- Attended one week FDP on “Green technology and sustainable development “during 19th-23rd July, 2021 organized by Department of Civil Engineering, Goel Institute of technology Ghaziabad.
- Attended one-week short term course on “Recent practice in Geotech and transportation engineering” during 26th-30th July, 2021 organized by Department of Civil Engineering, GH Rasoni college of engineering & Management Pune.
- Attended one day webinar on “Issues and key challenges in sustainable development in Environment management” on 25th Sep, 2021 organized by Department of Civil Engineering, UIT RGTU Bhopal.
- Attended one-week QIP Short term course on “Smart cities: opportunity and challenges” during 25th-30th Oct, 2021 organized by Department of Civil Engineering, NITTTR Chandigarh sponsored by AICTE.
- Attended one week refresher course on “Energy efficient building” during 1st-7th Dec, 2021 organized by Department of Civil Engineering, GH Patel college of Engineering & Technology Vallabh Vidhyanagar Gujarat sponsored by AICTE.
- Attended one week training programe on “capacity building programe and pshychological support staff” during 6th-10th Dec, 2021 organized by Symplexis Greece under INTEGRA, ERASMUS+ sponsored by Europion union.

Prof. Bansri Jethwa

- Attended one day webinar on " Modern Construction Technology" organized by Narnarayan Shastri Institute of Technology, Jetalpur on 29th July-2021.
- Attended one day webinar on " Panel Discussion on Precast Execution Challenges Erection Planning Machinery & Methods" organized by UltraTech Cement Ltd. on October 30, 2021.
- Attended one day webinar on " Learning from structural failure" organized by UltraTech

Cement Ltd. on October 23, 2021.

- Attended seven days refresher programme on “Energy efficient Buildings” organized by Department of Civil Engineering, G H Patel college of Engineering & Technology, Vallabh Vidyanagar sponsored by AICTE – ISTE during 1st – 7th December 2021.

Prof. Hiren Patel

- Attended One Day National Level Webinar On “CREATIVITY, INNOVATION & ENTREPRENEURSHIP” on 30th July, 2021 organized by SAL Engineering & Technical Institute.
- Attended Webinar on “MODERN CONSTRUCTION TECHNOLOGY” on 29th July, 2021 organized by Narnarayan Shastri Institute Of Technology, Jetalpur.
- Attended one day webinar series of "Cement Superplasticizers Compatibility" on July 17, 2021 organized by UltraTech Cement Ltd.
- Attended one day webinar series of "ROMANCING WITH CONCRETE FOR A BETTER TOMORROW" on July 3, 2021 organized by UltraTech Cement Ltd.

Prof. Jay Patel

- Attended one-week online workshop on “Experimental and Analytical Techniques for Evaluating the Seismic Strengthening Measures for Masonry Structures” during 22/10/2021 to 28/10/2021 organized by Indian Institute of Technology Patna, sponsored by SERB UNDER ACCELERATE VIGYAN SCHEME.
- Attended one week webinar on “Soft Computing Techniques in Civil Engineering” during 28/12/2021/ to 03/01/2022 organized by Department of Civil Engineering, Tapi Diploma Engineering College, Surat organizing AICTE-ISTE sponsored Induction/Refresher Program (STTP).

Prof. Jerome Jose

- Undergone Innovation Ambassador training conducted by MoE's Innovation Cell & AICTE during the period from 30th June - 30th July 2021 in online mode.
- Participated in the workshop on ‘Current State of Art: Smart Cities and Its Challenges with an Indian Scenario’ organized by Parul University jointly with L&T-S&L, NASSCOM, NIRVEDHA-Tech held on December 06th, 2021.

Prof. Jigar Zala

- Attended one day webinar on “Durability Design of Concrete Structures: Present Provisions and Future Changes in IS 456” dated on December 25, 2021 organized by Indian Concrete Institute.
- Attended one day webinar on “Condition Survey, Monitoring and Rehabilitation of Multistoried Building” dated on December 18, 2021 organized by UltraTech Cement Ltd. &

Indian Concrete Institute.

- Attended one day webinar on “Panel Discussion on QA-QC Systems in Precast Construction” dated on November 27, 2021 organized by CEMCON & Indian Concrete Institute.
- Attended one day webinar on “Specifications and Contract Provisions for Strengthening of Structures” dated on October 02, 2021 organized by Indian Concrete Institute.
- Attended one day webinar on “Condition Survey and NDT for RCC Structures” dated on September 18, 2021 organized by UltraTech Cement Ltd. & Indian Concrete Institute.

Prof. Mittal Shah

- Attended one day webinar on " Modern Construction Technology" organized by Narnarayan Shastri Institute of Technology, Jetalpur on 29th July-2021.
- Attended two days webinar on “Wind Resistant Structure: Analysis & Design” organized by Department of Civil Engineering, Sankalchand Patel College of Engineering, Visnagar and sponsored by Gujarat Council on Science and Technology (GUJCOST), Dept. of Science and Technology, Government of Gujarat during 18th- 19th August 2021.
- Attended one day webinar on "An Icon in Steel: Shiv Dhanush Bridge" organized by UltraTech Cement Ltd. & Indian Concrete Institute, Er. S SKutumbleon Saturday, December 11, 2021.

Prof. Noopur Shah

- Attended two days webinar on “Wind Resistant Structure: Analysis & Design” during 18-19 August, 2021 organized by Department of Civil Engineering, Sankalchand Patel College of Engineering, Visnagar and sponsored by Gujarat Council on Science and Technology, Gujarat.
- Attended one day’s webinar on “Modern Construction Technology” on 29th July, 2021 organized by Narnarayan Shastri Institute of Technology, Jetpur.

Student Achievement

- M.E. Structural Engineering Student, Gor Shreya has selected for offering Gold Medal award provided by The Gujarat Institute of Civil Engineers and Architects in the year of 2020.
- M.E. Structural Engineering Student, Chavda Bhavna has selected for offering Gold Medal award provided by The Gujarat Institute of Civil Engineers and Architects in the year of 2021.