

Department of Civil Engineering SIRT, Bhopal

CIVIL SAMVAD

A publication of the Sagar Institute of Research & Technology Civil Engineering Department

VISION

To motivate and mould students into world class civil engineering professionals who will excel in their fields and effectively meet challenges of the dynamic global scenario.

MISSION

- To achieve academic excellence in providing technical education by incorporating the principles of Total Quality Management (TQM).
- To provide state-of-art infrastructure for enhanced learning & research with IT based knowledge management to meet global challenges.
- To inculcate ethical, moral & cultural values among Civil Engineering professionals.

PEO's

PEO 1. Graduates will apply fundamental knowledge of Civil Engineering and modern IT tools to solve Civil and associated engineering problems.

PEO 2. Graduates will exhibit good communication skills, leadership and Managerial skills, professional ethics and lifelong learning qualities while working in Industry academic institution government and research organizations.

PEO 3. Graduates will pursue higher qualification or became entrepreneur to serve construction industry and society.

PSO's

PSO 1. Understand and apply fundamental concepts of design, analysis in core areas of Civil Engineering i.e. Structural, Environmental, Water Resource and Transportation Engineering

PSO 2. Apply modern IT tools for design and analysis of Civil Engineering problems.

PSO 3. Adopt inter-disciplinary approach for solving real-life Civil Engineering problems.

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Program Outcomes (PO's)

Engineering Graduates will be able to:

PO 1. Engineering knowledge-Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO 2. Problem analysis-Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO 3. Design/development of solutions-Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO 4. Conduct investigations of complex problems-Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO 5. Modern tool usage Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO 6. The engineer and society Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO 7. Environment and sustainability-Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO 8. Ethics-Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice).

PO 9. Individual and team work-Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 10. Communication Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO 11. Project management and finance-Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO 12. Life-long learning-Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

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Student Achievements

We congratulate our student MAYANK MISHRA, CIVIL B.TECH, Received Silver Medal From hon'ble governor shri Mangubhai Patel in 11th convocation held at RGPV. A very happy moment for Civil Department. We are proud of his hard work and achievement



Happy to announce that ADARSH CHATURVEDI B.Tech 3rd year civil for being selected for Guard of Honour in Republic Day Parade Delhi.



Happy to announce that BHAVYA MAKODE B.Tech 3rd year civil for being selected for REPUBLIC DAY PARADE.



Department of Civil Engineering SIRT, Bhopal

MOU's

We are happy to announce that The Department of Civil Engineering, SIRT has signed MOU with Elite Arch, Bhopal Under this promotions of Internship, Workshop, Value Addition Course, Placement support, Skill Enhancement & Research.



We are happy to announce that The Department of Civil Engineering, SIRT has signed MOU with Sofcon India Pvt. Ltd. Under this both organizations will promote Live Projects, Workshops, and Placements for Students.



We are happy to announce that The Department of Civil Engineering, SIRT has signed MOU with Civil Guruji Under this both organizations will promote Live projects, workshops and Placements for Students.



Expert Lecture

Department of Civil Engineering organized a hands on Expert Lecture on Enhancement of Engineering Skills.



Department of Civil Engineering SIRT, Bhopal

WorkShop

Department of Civil Engineering organized Workshop on How GIS is Changing the world: Applications & Uses in Civil Engineering.



Department of Civil Engineering
Organising Workshop on

How GIS is Changing the World : Applications & Uses in Civil Engineering

27 & 28 January 2022 11:00-12:00 Noon

Speaker

 **Dr. Chhaya Pandey**
Assistant Professor,
RCVP Noronha Academy
of Administration and
Management Bhopal (MP)

Advisor
Dr. Rajiv Srivastava
Director, SIRT

Convener
Dr. Rakesh Patel
HOD Civil, SIRT

Faculty Coordinator
Dr. Hridayesh Varma

Registration link :
<https://forms.gle/87qFzsDGGwqtmzyQA>

www.sirtbhopal.ac.in

Seminar

Department of Civil Engineering organized Seminar on Career with Software Skills



Department of Civil Engineering
Organising Seminar on

CAREER WITH SOFTWARE SKILLS

2nd March, 2022 10:00 am to 12:00 Noon

Speakers

 **Er. Ajay Kumar Patidar**
Co-Owner & Branch Head,
Sai Design

 **Er. Keshav Prasad Patel**
Co-Owner & Business
Development Manager,
Sai Design

 **Er. Anudesh Sachan**
PM Software Instructor,
Sai Design

Venue : Shivanand Auditorium

Advisor
Dr. Rajiv Srivastava
Director, SIRT

Convener
Dr. Rakesh Patel
HOD Civil, SIRT

Faculty Coordinator
Mr. Anshul Jain

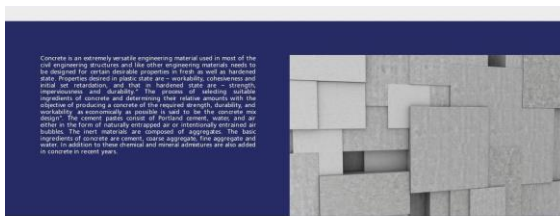


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Faculty Achievements

Book was Published by Dr Rakesh Patel titled “Mix Design of Concrete Using Different Methods”



Dr. Rakesh Patel is the Professor in Civil Engineering Department of SIRT. He has completed his B.E. in Civil Engineering, M.Tech in Structural Engineering and PhD from IIT Bombay. He is having 19 years experience in the field of academics and industry.

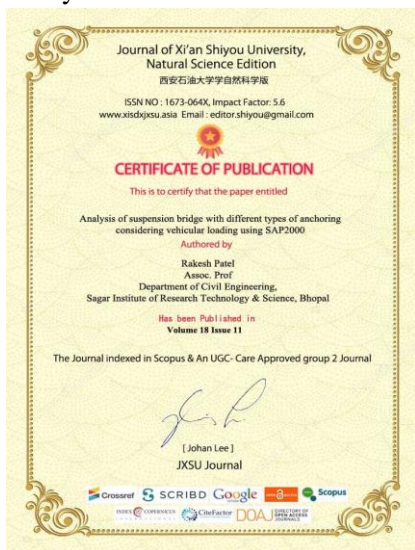
MIX DESIGN OF CONCRETE USING DIFFERENT METHODS
MIX DESIGN OF CONCRETE



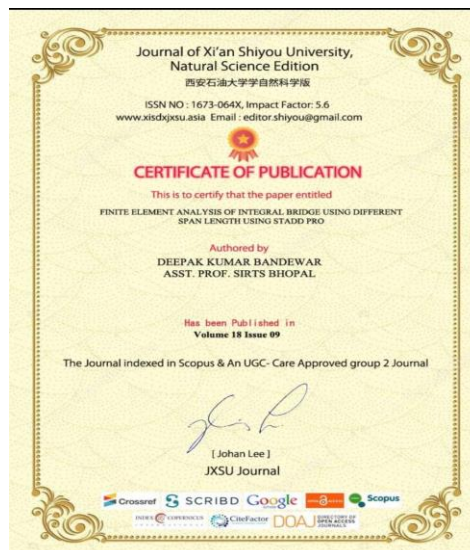
Prof Arvind Singh Gaur published a Paper entitled A Comparative Analysis of behaviour of Multi- Storied Regular and Irregular Buildings in International Journal for Scientific Research and Development in June 2022.



Dr Rakesh Patel published a Paper entitled Analysis of suspension bridge with different types of anchoring considering vehicular loading using SAP2000 in Journal of Xi'an Shiyou University Natural Science Edition in 2022.



Prof. Deepak Kumar Bandewar published a Paper entitled Finite Analysis of Integral Bridge Using Different Span Length Using SADD in Journal of Xi'an Shiyou University Natural Science Edition in 2022.



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Water Pot for Birds” An activity to save Sparrows was conducted by students of SAC held under True Sage Foundation



EDITORS

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SIRT, BHOPAL

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