S. S. V. S. S's
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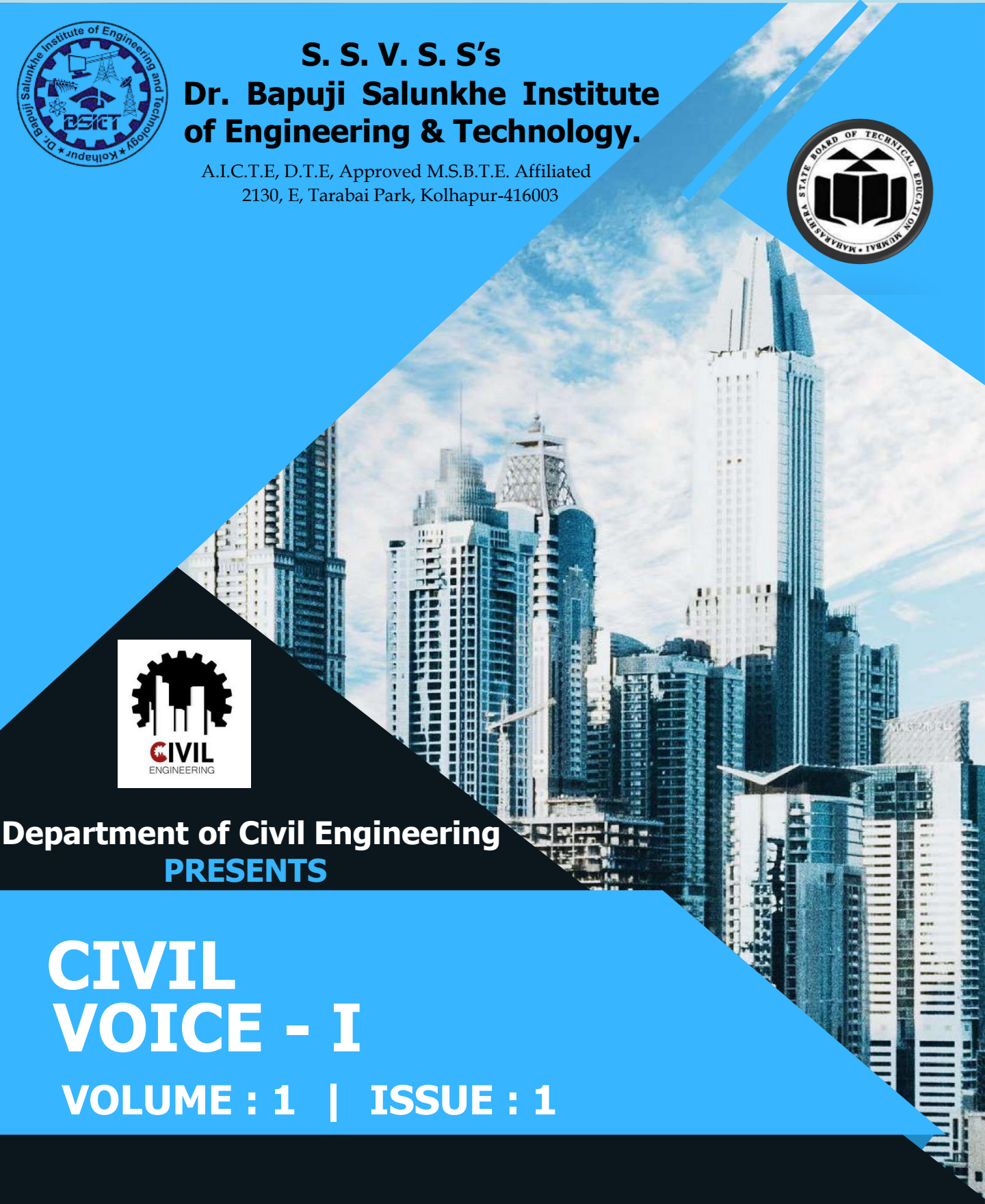


Department of Civil Engineering
PRESENTS

CIVIL VOICE - I

VOLUME : 1 | ISSUE : 1

ACADEMIC YEAR 22-23
DECEMBER 2022

About The Department

The Department was established in 2009 with an approved intake of 60 students and has steadily grown with a strong focus on quality technical education. Since its inception, the department has been committed to developing competent engineering professionals through a well-structured academic framework.

To support effective teaching and learning, the department has developed seven advanced laboratories with a total investment of ₹20 lakh. These laboratories are utilized for academic instruction, practical training, research activities, and consultancy work, enabling students to gain hands-on experience and industry-relevant skills.

The department is supported by a team of highly experienced faculty members, each having more than 8 years of experience in teaching, fieldwork, and consultancy. Their expertise ensures strong academic mentoring, practical exposure, and continuous guidance, helping students achieve both professional competence and career readiness.

Principal's Message

It gives me immense pleasure to extend a warm welcome to all students, parents, faculty members, and stakeholders to Dr. Bapuji Salunkhe Institute of Engineering & Technology (BSIET).

At BSIET, we are committed to nurturing young minds by providing a stimulating academic environment that blends strong theoretical knowledge with hands-on practical exposure. Guided by the vision of Shri Swami Vivekanand Shikshan Sanstha, Kolhapur, and inspired by the ideals of Shikshan Maharshi Dr. Bapuji Salunkhe, our institution continuously strives for excellence in technical education rooted in ethics, discipline, and social responsibility.

Our focus on Outcome-Based Education (OBE), experiential learning, and industry-oriented practices ensures that students are well prepared to meet the evolving challenges of the professional world. Along with academic rigor, equal importance is given to research, innovation, entrepreneurship, and the development of soft skills such as communication, teamwork, and leadership.

The dedicated efforts of our faculty, the enthusiasm of our students, and the strong support from industry partners have helped BSIET maintain consistent academic performance and commendable placement records. Beyond academics, we actively encourage students to participate in co-curricular and extracurricular activities, enabling their holistic development and shaping them into confident professionals and responsible citizens.

I firmly believe that education is a transformative journey, and at BSIET, we aim to make this journey meaningful, empowering, and future-ready. I wish all our students a successful, enriching, and memorable academic year ahead.

Let us work together to uphold the legacy of excellence and take BSIET to greater heights.
Best wishes for a productive and inspiring year ahead!

HOD's Message

It gives me great pleasure to present the Civil Engineering Department newsletter for the month of May 2023, which highlights the academic, technical, and developmental activities conducted during this period. The department remains committed to nurturing academic excellence while continuously enhancing students' technical knowledge and professional competence. During this month, various expert lectures, seminars, workshops, and skill development programs were organized to expose students to recent trends, practical applications, and industry expectations These activities were designed to complement classroom learning and encourage experiential and outcome-based education.

I sincerely appreciate the dedicated efforts of our faculty members and the enthusiastic participation of students in all departmental initiatives.
Their commitment and teamwork have played a key role in the successful execution of
these activities. I encourage our students to remain focused on continuous learning, innovation , and ethical practices, which are essential qualities of a successful civil engineer. I wish all students and faculty members continued success in their academic
endeavours and future professional careers

OUR VISION

"To provide quality technical education for fulfilling social needs as a civil engineer"

OUR MISSION

- To impart quality teaching, hands on training and value education to students.
- To inculcate professional ethics through quality and modern construction practices.
- To facilitate students for self – employability and pursue career enhancing courses.

PROGRAM OUTCOME'S

PO 1. Basic knowledge: Apply knowledge of basic mathematics, sciences and basic engineering to solve the broad-based Civil engineering problems.
PO 2. Discipline knowledge: Apply Civil engineering knowledge to solve broad-based Civil engineering related problems.
PO 3. Experiments and practice: Plan to perform experiments and practices to
use the results to solve broad-based Civil engineering problems.
PO 4. Engineering tools: Apply relevant Civil technologies and tools with an understanding of the limitations.
PO 5. The engineer and society: Assess societal, health, safety, legal and cultural
issues and the consequent responsibilities relevant to practice in field of Civil engineering.
PO 6. Environment and sustainability: Apply Civil engineering solutions also for sustainable development practices in societal and environmental contexts.
PO 7. Ethics: Apply ethical principles for commitment to professional ethics, responsibilities and norms of the practice also in the field of Civil engineering.
PO 8. Individual and team work: Function effectively as a leader and team
member in diverse/ multidisciplinary teams.
PO 9. Communication: Communicate effectively in oral and written form.
PO 10. Life-long learning: Engage in independent and life-long learning activities in the context of technological changes also in the Civil engineering and allied industry.

PROGRAM SPECIFIC OUTCOME'S

PSO1: Civil Engineering Fundamentals
Apply fundamental concepts of civil engineering such as building construction, surveying, structural engineering, transportation engineering, geotechnical engineering, and water resources engineering to solve practical engineering problems.

PSO2: Planning, Design, and Execution
Assist in planning, designing, estimation, and execution of civil engineering projects using standard codes, drawings, and specifications with the help of modern tools and software.

PSO3: Site Practices and Quality Control Perform site supervision, material testing, quality control, and safety practices in construction projects by following standard procedures and professional ethics.

PSO4: Sustainability and Professional Practice Apply sustainable construction practices, environmental considerations, and ethical responsibilities while working in civil engineering projects and professional environments.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO 1 - Provide socially responsible, environment friendly solutions to Civil engineering related broad-based problems adapting professional ethics.
PEO 2 - Adapt state-of-the-art Civil engineering broad-based technologies to work in multidisciplinary work environments.
PEO 3 - Solve broad-based problems individually and as a team member communicating effectively in the world of work.

EXPERT LECTURES

Industrial Guest Lecture on *"Rocks and Minerals'*

by Dr. Abhijeet Patil**:**

Purpose: Guest lecture on "" ***Rocks and Minerals'*** was arranged for Second year Civil engineering students. Objective of that lecture was to identification of Rocks & Minerals also basics of Geology.

Expert Lecture on Concrete Technology

An expert lecture on *Concrete Technology* was conducted for SY & TY students. The resource person was Mr. Sagar Borge, JEE (CSS), ACC Cement. He explained properties and types of concrete. The importance of mix design and quality control was discussed. Students learned about testing of concrete materials. The expert shared practical site experiences. New developments in concrete technology were introduced. Emphasis was given on durability and sustainability. Students gained knowledge about industrial practices. The session strengthened conceptual understanding.

Expert Lecture on Software in Civil Engineering

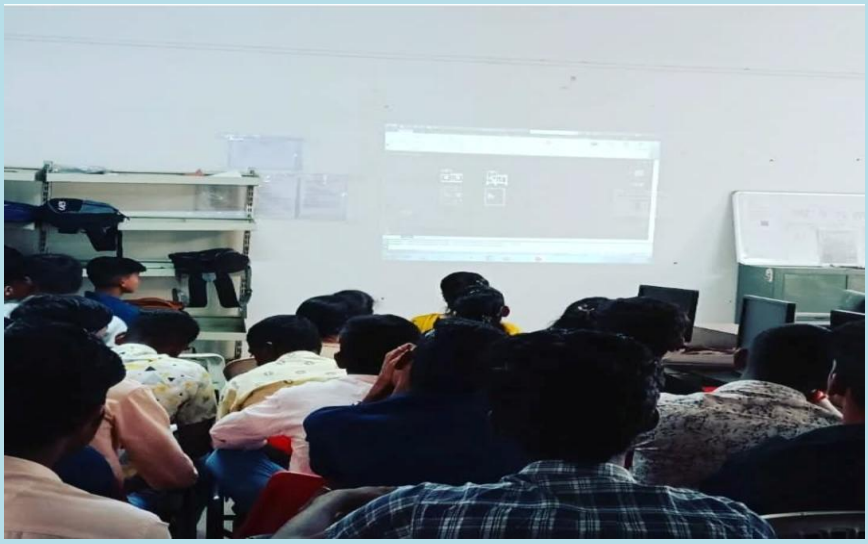
An expert lecture on Software in Civil Engineering was organized for SY & TY students. The session was delivered by Mr. Dhawal Bagwade, Owner of Info Groww. He explained the importance of software tools in modern civil engineering practices. Students learned about applications of software in design, analysis, estimation, and project management. Practical examples were shown for better understanding. The expert highlighted how software improves accuracy and productivity. Career opportunities in software-based civil engineering fields were discussed. Students gained awareness about industry expectations. The session encouraged students to learn emerging technologies. Overall, the lecture was informative and motivating.

Expert Lecture on Irrigation Engineering

An expert lecture on *Irrigation Engineering* was organized for TY students. The lecture was delivered by Ms. Anjali A. Karekar, Junior Engineer, Irrigation Department. She explained irrigation systems and water distribution methods. Students learned about canal structures and components. Importance of water management was discussed. Practical case studies from field work were shared. The expert explained government irrigation projects. Students understood challenges in irrigation engineering. The session connected theory with practice. It was highly beneficial for students.

Workshop on Designing & Planning by CAD

A workshop on *Designing & Planning by CAD* was conducted for SY students. The workshop was conducted by Ms. Geetanjali Jadhav, HOD. Students were introduced to CAD software. Basic commands and tools were explained. Practical demonstration was given. Students practiced drawing plans and sections. Importance of CAD in design work was discussed. The workshop enhanced drafting skills. Students gained hands-on experience. The session improved technical confidence.



Workshop Hands-on Training on Total Station

A hands-on workshop on *Total Station* was organized for SY students. The resource person was Mr. R. R. Chavan, Surveyor. Students learned components of total station. Instrument setup and levelling were demonstrated. Field data collection methods were explained. Students practiced distance and angle measurement. Importance of surveying accuracy was discussed. Real site examples were shared. The workshop improved practical knowledge. Students gained exposure to modern surveying tools

INDUSTRIAL VISIT

Industrial Visit to "**Lift Irrigation Scheme**" for SY CIVIL on 1st December, 2022

Purpose: Industrial Visit to **Lift Irrigation Scheme** at Kolhapur was arranged on 1st December, 2022 for TY Civil students to identify various elements of Lift Irrigation Scheme at VadakShiwale, Karveer

Visit to "**Kalammawadi Dam**" on 18th October 2022

Purpose: Visit to "**Kalammawadi Dam**" was arranged 18th October 2022 for TY Civil students to Identify different components of Gravity Dam.

Industrial Visit – Construction Site (Sykes Extension, Kolhapur)

An industrial visit to the construction site at Sykes Extension, Kolhapur was organized for TY students. Students observed ongoing building construction activities. The visit provided exposure to site layout and planning. Students learned about foundation, columns, beams, and slab construction. Safety measures followed at site were explained. The importance of quality control was discussed. Students understood material storage and handling. The role of site engineers was explained. Practical challenges faced during construction were highlighted. The visit helped students connect theory with real site practice.

Industrial Visit – Canal

An industrial visit to a canal site was organized for TY students. Students studied canal components and cross-sections. The functioning of irrigation canals was explained. Students learned about water distribution systems. Canal lining methods were discussed. Maintenance practices were explained. The importance of canals in agriculture was highlighted. Students observed flow control structures. Practical knowledge of irrigation engineering was gained. The visit enhanced understanding of water management.

Industrial Visit – K.T. Weir

An industrial visit to a K.T. Weir was arranged for TY students. Students learned about the purpose of K.T. Weirs. The structure and components were explained. Water storage and regulation methods were discussed. Students understood construction materials used. The role of weirs in irrigation was highlighted. Maintenance and safety aspects were explained. Students observed site conditions. Practical applications of hydraulic structures were understood. The visit strengthened core concepts.

Industrial Visit – Biogas Plant, Pachgaon, Kolhapur

An industrial visit to the biogas plant at Pachgaon, Kolhapur was organized for TY students. Students learned about biogas production process. The importance of renewable energy was discussed. Components of the biogas plant were explained. Students observed waste collection and digestion. Environmental benefits were highlighted. Students understood gas storage and utilization. Safety measures were explained. The visit promoted sustainable practices. Students gained awareness of green energy technology.

Civil Highlights

Amrit Sarovar Mission Launched (June 2022)

The Government of India launched the Amrit Sarovar Mission to develop and rejuvenate water bodies across districts. The mission aims to improve water conservation and groundwater recharge.

Green Building Materials Promotion (June 2022)

The government encouraged the use of eco-friendly construction materials such as fly ash bricks and recycled aggregates. This step supports sustainable and low-carbon construction.

National Highway Expansion under Bharatmala (July 2022)

Large-scale highway construction was accelerated under Bharatmala Pariyojana. The objective is to improve road connectivity and reduce travel time.

Mumbai Coastal Road Project Progress (July 2022)

Construction work progressed on the Mumbai Coastal Road Project. The project will ease traffic congestion and improve urban mobility.

Smart Cities Mission Review (Aug 2022)

The government reviewed Smart Cities Mission projects across India. Focus was on smart roads, water supply, drainage, and digital infrastructure.

Record Highway Construction Achieved (Dec 2022)

India achieved record highway construction in 2022. This reflects rapid infrastructure growth.

Focus on Disaster-Resistant Structures (Dec 2022)

Engineers emphasized earthquake- and climate-resilient design. This improves safety of buildings.

Academic Topper's

Class	Rank	Name	Percentage
FY	FIRST	NAIR SHRIDEVI JAYANT	89.57
	SECOND	BANAGE ALAJARIN ADAM	86.71
	THIRD	KAMBLE TEJASWINI SIDHARTH	76..57
SY	FIRST	NAIR SHRILAKSHMI JAYANT	90.00
	SECOND	PATIL VIKAS BHIVAJI	80.53
	THIRD	VATKAR SHREYASH SUDHAKAR	78.87
TY	FIRST	LAKHE PRAKASH MOHAN	84.10
	SECOND	MALI OM ANIL	83.20
	THIRD	PATIL VIGHNESH RAJARAM	82.00

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