

## **K. S. School of Engineering & Management (KSSEM)**

- **Address:** No.15, Mallasandra, Off. Kanakapura Road, Bengaluru-560109
- **Contact:** +91 9900710055
- **Affiliations:** VTU, Belagavi; Approved by AICTE, New Delhi; Accredited by NAAC
- **Admission:** Open for the Academic Year 2026-2027. Contact: 9900710055

## **Department of Civil Engineering**

- **Program Offered:** Bachelor of Engineering in Civil Engineering
- **Curriculum Focus:** Structural analysis, geotechnical engineering, transportation, water resources, environmental engineering, and construction management
- **Career Opportunities:** Structural engineer, site engineer, project manager, transportation planner, environmental consultant

## **Vision & Mission**

- **Vision:** To emerge as one of the leading Civil Engineering Departments by producing competent, quality, ethical engineers with a strong foundation in infrastructure development and research.

## **Recent Events & Activities**

- **ACETECH Field Visit:** Conducted on 18.10.2024
- **FDP on Women in STEM:** A five-day program from October 17th to 21st, 2022, with Ms. Sailaja, Vice President of TCS Banking Solutions, as the chief guest
- **AICTE Sponsored FDP:** Six-day program on Recent Trends in Sustainable Construction Technologies (18th to 23rd December 2023)
- **Civil Hackathon:** Organized in December 2024
- **National Seminar on Sustainable Built Environment:** Held on 02-02-2023 and 03-02-2023
- **Industrial Visit:** Students visited Sai Krushna Charitable Trust in Hossadoddi Village on 19th August 2022

## **Placements & Alumni**

- Alumni are placed in renowned companies, driving innovation and excellence

- Testimonials highlight the supportive environment, quality education, and exposure to research and extracurricular activities

## **Important Links**

- **AICTE, VTU, IEEE, KSHEC**
- **Student Welfare:** Grievance Redressal Cell, Disciplinary Measures, Committees
- **Quick Links:** Careers, Online Fee Payment, Admission Enquiry, Contact, Accreditation & Approvals, Login
- **Scholarships:** National Scholarship Portal, SC Scholarships
- **Group of Institutions:** KSGI, KSIT, KSSA, KS Polytechnic, KS Hospital, KS Credit Co-op Bank

## **VISION**

- To emerge as one of the leading Civil Engineering Department by producing competent and quality ethical engineers with strong foot hold in the areas of Infrastructure development and research.

## **MISSION**

### **Department of Civil Engineering shall,**

- Provide industry oriented academic training with strong fundamentals and applied skills.
- Engage in research activities in Civil Engineering and allied fields and Inculcate the desired perception and value system in the students.

## **Upcoming Events**

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### **Presentation by 8th sem students on Best practices adopted by construction industry**

March 29th 2023 Ultra Tech will evaluate the presentation on best practices adopted by 8th sem students

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KAMMAVARI SANGHAM (R) - 1952  
**K S SCHOOL OF ENGINEERING AND MANAGEMENT**

(Approved by AICTE, Affiliated to VTU & Accredited by NAAC)

Pre-Employment Training

Pre-Employment Training in Association with UltraTech Cement Limited for Final year Students.

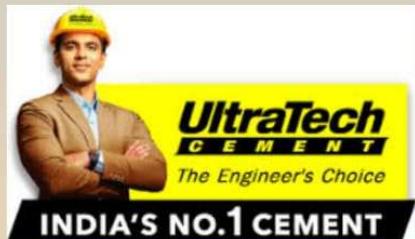
[View Image](#)

## DEPARTMENT OF CIVIL ENGINEERING

Organizes

# PRE-EMPLOYMENT TRAINING

In Association With



on

**20 March 2023**

**Resource Person**

**Er. Ashok Reddy Kollur**

**Regional Head - Technical**

**UltraTech Cement Limited, South Karna**

**Timings:**

**9.30 AM onwards**

**Venue:**

**Seminar Hall**

**Co-ordinators**

**Mr. Naveena M P, Asst. Prof., Dept. of Civil Eng**

**Mr. Shashi Prasad N, Asst. Prof., Dept. of Civil En**

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## **TWO DAY NATIONAL CONFERENCE**

Department of Civil Engineering organizes National Seminar on Emerging Trends in Sustainable Built Environment on 02-02-2023 and 03-02-2023.

[View Image](#)

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## **FIVE DAY FDP**

The Challenges And Opportunities For Women In Science, Technology, Engineering & Mathematics (Stem).

[View Image](#)

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## **AICTE ACTIVITY\_IMPROVE EDUCATION QUALITY IN VILLAGE\_SESSION 2**

Department of Civil Engineering Students of IV Semester will visit Sai Krushna Charitable Trust at Hossadoddi Village, Kanakapura Road to train high school students in an innovative manner on 27th August 2022 as apart of AICTE Activity.

[View Image](#)

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## **Profile**

Department of Civil Engineering is established in the year 2010 and offers four year undergraduate course leading to Bachelor's degree in Civil engineering affiliated to Visveswaraya Technological University, Belgaum.

Department of Civil Engineering also offers Masters in Structural Engineering program since 2013. Research centre has been established in the year 2016-17 with more than 10 research scholars.

The Department aims at producing eminent Civil Engineers for the Nation and also across the Globe. The Department has eminent faculty with wide range of experience in consultancy, research, teaching, training and field experience which will help the students to gain practical knowledge which is very essential for their future endeavours.

#### **Head Of The Department Desk**



**Dr. Vijayalakshmi Akella**

**Professor & Head**

**Ph.D**

I take the privilege to welcome you all to the Department of Civil Engineering at KSSEM. The Department of Civil Engineering has been in existence since the inception of KSSEM in 2010 and has grown into a full-fledged department with specialization in STRUCTURAL Engineering. Besides high quality teaching and instruction at both UG and PG levels, the Department is actively involved in basic and applied research and consultancy and provides high quality technical advisory support through various R&D projects and consultancy to various organizations. The faculty members of the department are involved in high quality research and consultancy activities. The Department of Civil Engineering with its multifaceted faculty continues to maintain and cultivate its strong links with the infrastructural industry. We encourage students to engage in extra-curricular and co-curricular activities, essential for development, nurturing of team spirit, and developing organizational skills.

The Department of Civil Engineering aims to produce Competent, disciplined, quality Engineers and administrators to the society to make India a major industrial power. We conduct workshops on state of art technologies, invite experienced industrial experts, hands on training on non-destructive techniques, GIS, GPS technologies, site visits etc

#### **Long term goals**

- Inspire the leaders of tomorrow to take on the challenge of creating and sustaining the built environment that underpins our society.
- Create engineers who successfully adapt and innovate solutions for the built environment.
- To train the graduate students to appreciate the importance of service to their profession and to their communities.

#### **Short term goals**

- Train the students on broad set of skills.
- Inculcate the habit to have inquisitive attitude

#### **PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

##### **PEO - 1 :**

- Focus on developing a clear understanding of the basic principles and theories of Civil Engineering to build a strong foundation for advanced learning and practical applications.

##### **PEO - 2 :**

- Pursue a successful professional career in Civil Engineering by working in the construction industry, public sector, teaching profession and as an entrepreneur.

- **PEO - 3 :**
  - Emphasize the importance of pursuing higher education to enhance professional skills.
- **PEO - 4 :**
  - Inculcate ethical values in the students.
- **M. Tech in Structural Engineering**
  - This course is designed to help the students improve their experience in structural engineering. Issues addressed in the course will help familiarize the student with common challenges in the design office and on the site.
- **The main objectives of the course are to :**
  - To provide our students receiving master's degrees with a strong technical education that will prepare them for successful professional careers in industry, or for continued research in their area of specialization.
  - To provide our students with fundamental Structural Engineering principles that can be applied across multiple engineering applications (such as Aerospace, Civil, Marine, and Mechanical).
  - To provide our students with broad multi-disciplinary skills necessary to accomplish professional objectives in a rapidly changing technological world.
  - To provide our students with the ethical standards, communication and collaboration skills essential for professional practice and career advancement.
- **Eligibility:**
  - Candidates who have acquired BE/B.Tech or equivalent degree in Civil Engineering by securing not less than 50% marks in aggregate are eligible. However in case of candidates belonging to SC/ST/Group, the aggregate percent of marks in qualifying examination should not be less than 45%. The admissions are through central counseling on the basis of merit in PGCET or GATE. A few seats are also available under sponsored and Management quota. GATE qualified candidates are eligible for scholarship through AICTE.
  - This is a 2-year graduate program which involves three semesters of intense coursework and a final semester project, either in the institute or as an internship at leading companies, making it a job-centric program.
- **Areas of research work:**
  - Structural Engineering is involved in the planning, analysis, design and health monitoring of buildings, bridges, industrial facilities and other structures. Graduates of this program are well prepared to pursue a Ph.D. in structural engineering or work in structural engineering consulting or design, construction, aerospace, and related fields.

- Structural Engineering, Health Monitoring of Bridges, Nondestructive Testing, Structural Dynamics, Floor Vibrations for Human Comfort and Sensitive Equipment, Bridge Analysis and Design, Structural Analysis/Design, Earthquake Engineering, Steel Design, Concrete Design are some of the areas of research work.
- **Placement Opportunities:**
- Reputed companies like Aashraya Projects, Akshaya Builders and Developers, Balagi Developers, Brigade Group, Daya MK, Edifice Builders, ETA star, Galaxy Developers, Greater Bangalore Estates, Habitat Ventures, Home space, Inset Builders and Developers, JSR Enterprise housing Projects, Maxwortj Realty, MBR Builders, Multi Group, NBR Developers, NCC Urban, Nitesh Estates and many more?
- **Contact:**
- [hod.civil@kssem.edu.in](mailto:hod.civil@kssem.edu.in)

## Research and Development

Research centre has been established in the year 2016-17 with more than 10 research scholars.

## R & D Activities

### Sponsored Projects

UNNATH BHARATH ABHIYAN [\[View here\]](#)

VGST FUNDED SANCTIONED PROJECT [\[View here\]](#)

VTU FUNDED SANCTIONED PROJECT [\[View here\]](#)

VTU FINANCIAL ASSISTANCE SPONSORED STUDENT PROJECT LIST [\[View here\]](#)

KSCST FUNDING SANCTIONED STUDENT PROJECT LIST [\[View here\]](#)

SPONSORED NATIONAL SEMINAR LIST [\[View here\]](#)

### Ph.D Pursuing

RESEARCH SCHOLAR INHOUSE [\[View here\]](#)

RESEARCH SCHOLAR EXTERNAL [\[View here\]](#)

### Ph.D Awardees

Dr.Vijayalakshmi Akella [\[View here\]](#)

Dr Arekal Vijay [\[View here\]](#)

Dr.Rashmi HR [\[View here\]](#)

Dr. Amrutha Dhiraj [\[View here\]](#)

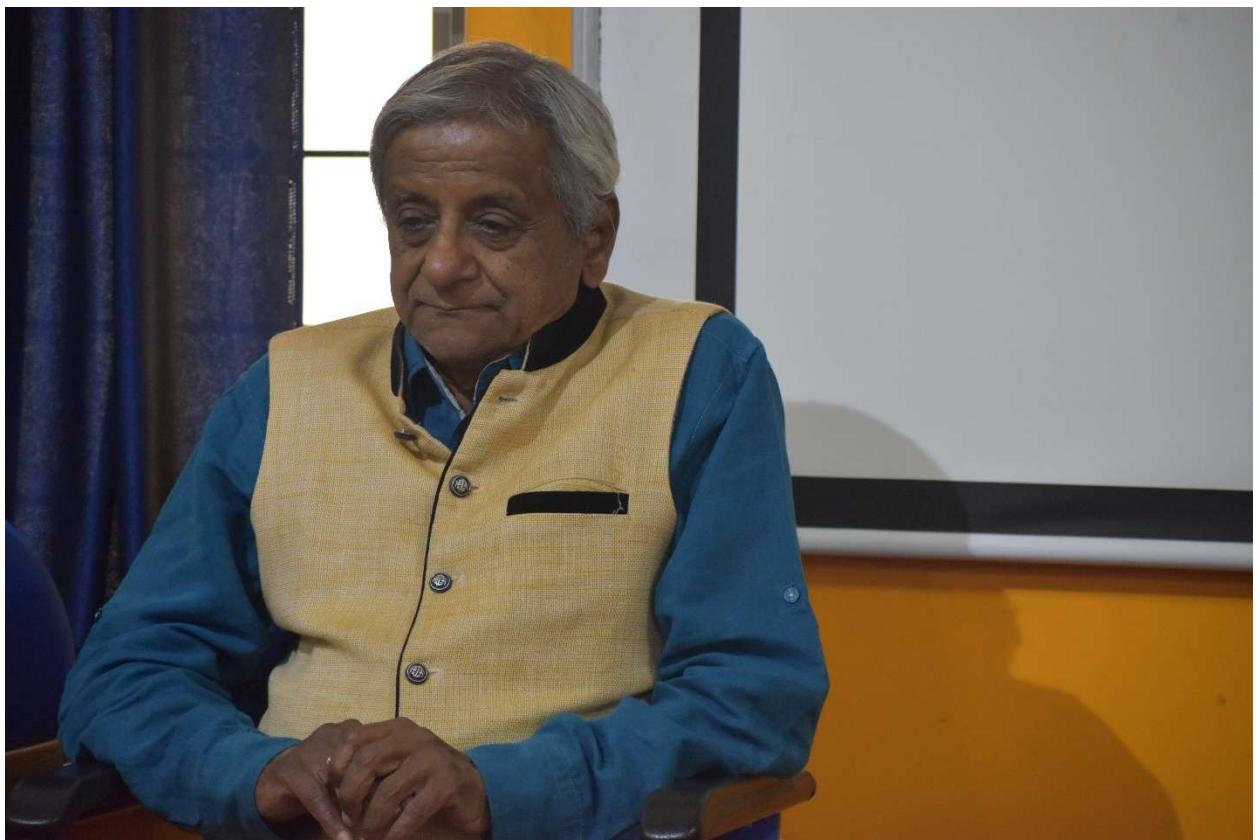
**Dr.Naveena M.P** [[View here](#)]

- SIX DAYS FDP ON HOLISTIC DISASTER MANAGEMENT: LINKING RESILIENT INFRASTRUCTURE WITH SUSTAINABILITY [[view here](#)]
- FIVE DAY FDP ON THE CHALLENGES AND OPPURTUNITIES FOR WOMEN IN SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS. (STEM) [[view here](#)]
- TWO DAYS NATIONAL SEMINAR ON PERFORMANCE OF CLIMATIC RESPONSIVE BUILDINGS [[view here](#)]
- FIVE DAYS FDP ON SMART SOLUTIONS IN CIVIL ENGINEERING [[view here](#)]
- RESOURCE RECOVERY AND REUSE : WASTE TO WEALTH [[view here](#)]
- NATIONAL CONFERENCE ON ADVANCES IN STRUCTURES AND MATERIALS [[view here](#)]
- SIX DAYS FDP ON HOLISTIC DISASTER MANAGEMENT: LINKING RESILIENT INFRASTRUCTURE WITH SUSTAINABILITY [[view here](#)]
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- **Faculty**
- Faculty Details [[View Details](#)]



- **Dr VIJAYALAKSHMI AKELLA**
- **PROFESSOR and HEAD**

- Ph.D



- Dr. B K RAGHUPRASAD
- Professor (Visiting Faculty)
- Ph.D (IISc)



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- **Dr. AREKAL VIJAY**
- **Professor**
- Ph.D (Geotechnical Engineering)



- **Mr.VEERENDRA KUMAR M**
- **Associate Professor**
- M.E (Structural Engineering)



- **Dr. RASHMI H R**
- **Associate Professor**
- Ph.D (Environmental Engineering)



- **Dr.NAVEENA M.P**

- **Asst. Professor**
- Ph.D



- **Dr. AMRUTHA DHIRAJ**
- **Assistant Professor**
- Ph.D



- 
- **Mr. PRASHANTH M**
- **Assistant Professor**
- **M.Tech (Ph.D)**



- 
- **Mr. MANJUNATH B**
- **Assistant Professor**

- M.Tech (Structural Engineering)



- 
- **Mr. SHASHI PRASAD N**
- **Assistant Professor**
- M.Tech in (Structural Engineering)



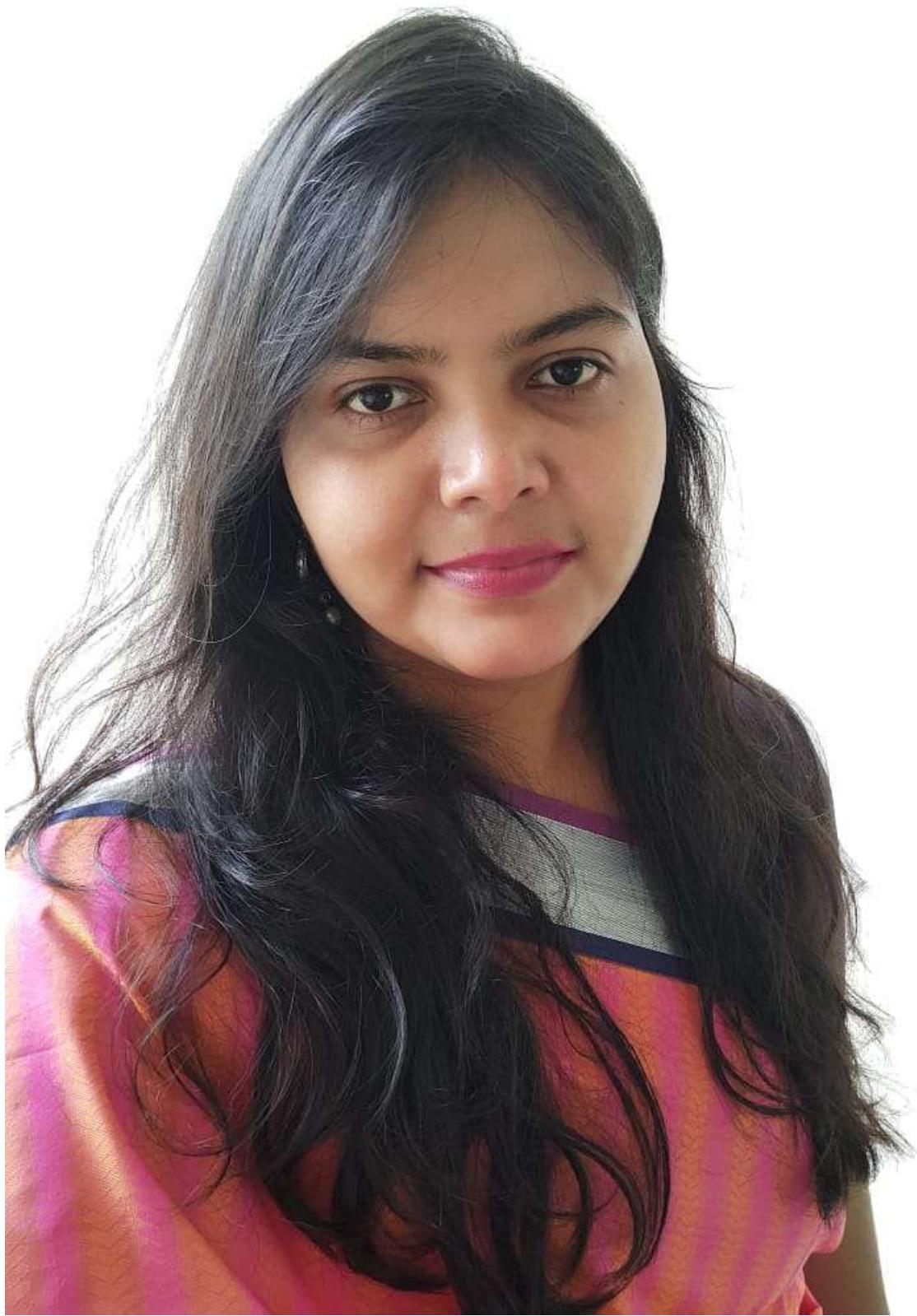
- 
- **Mrs.Sahana K**

- **Assistant Professor**
- M.Tech



o

- **Mr. Vinay Venkatesh**
- **Assistant Professor**
- M.Tech



- **Mrs.PALLAVI M**
- **Asst.Professor**
- **M.Tech (Ph.D)**
  
- 
- **Dr.A V GANESHA**
- **Visiting Faculty**
- **Ph.D**
- **Supporting Faculty**



- **Mrs. ROOPAVATHI V**
- **Assistant Foreman**

- Diploma (B.E in Civil Engineering)



- **Mr. KANTHARAJU M J**
- **Instructor**
- Diploma



- **Mr. SREEVATSA**
- **Instructor**
- Diploma



- **Mrs. KAVITHA B**
- **office Assistant**
- Degree



- **Mrs.MANJULA G K**
- **Attender**
- **B.A**



- **Mr. PRAKASH M S**
- **Attender**
- **10th**

## Department Achievers



## WINNERS OF THE PROJECT EXHIBITION 2023-24

2025-02-21

Project Exhibition for U G Final Year Students was organized on 8th of May 2023 by K. S. School of Engineering and Management for the students on "Innovative ideas in their projects" Project Title: " "Potential use of biofilters, constructed wetland and solar driven disinfection for grey water treatment in rural areas. " Project Students: Lakshmisha, Chandan, Bhemmaraju Guide: Dr. Rashmi HR and Mrs Pallavi M



## DEPARTMENT OF CIVIL ENGINEERING CIVIL HACKATHON 2024-INTER-COLLEGE EVENT

2024-12-14

We are thrilled to announce the successful completion of the event "REVIT REVOLUTION" organized as part of Civil Hackathon 2024, proudly sponsored by Rapsol Technologies Pvt. Ltd. Congratulations to Shilpa Sajjan from 7th Semester, Civil Engineering, KSSEM, for securing First Prize and winning a cash award of ₹6000. A special thank you to Mr. Niranjan Balaji for sponsoring and supporting the event.

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## CAD DESIGNER COMPETITION

2024-12-06

Aadithen B, a 5th-semester Civil Engineering student, won second prize along with a cash award of Rs 3,000 in the Innovative CAD Designer Competition held at Christ University, Bengaluru.

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## WINNERS OF PROJECT EXHIBITION 2022-2023

2023-05-08

Project Exhibition for U G Final Year Students was organized on 8th of May 2023 by K. S. School of Engineering and Management for the students on "Innovative ideas in their projects" Project Title: "Experimental and Analytical Study on Seismic Behaviour of RCC Portal Frame " Project Students: Banashree, Suhas, Santhosh Kumar, Umesh Kumar Singh Guide: Prof. Manjunath B and Prof.Sai Suhma BA

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## RUNNERS OF PROJECT EXHIBITION 2022-2023

2023-05-08

Project Exhibition for U G Final Year Students was organized on 8th of May 2023 by K. S. School of Engineering and Management for the students on "Innovative ideas in their projects" Project Title: " "Experimental Study on Seismic Behaviour on scaled Masonry Structure " Project Students: Jayaprasad Yadav, Ranjitha, Mamrutha, Suni Gouda Patil Guide: Prof. Manjunath B



## RUNNERS OF PROJECT EXHIBITION 2022-2023

2023-05-08

Project Exhibition for U G Final Year Students was organized on 8th of May 2023 by K. S. School of Engineering and Management for the students on "Innovative ideas in their projects" Project Title: "Experimental Investigations on Low strength Translucent Blocks" Project Students: Shwetha, Ramchandra Gowda, Sadhashiva, Arjun Gowda Guide: Prof. Veerendra Kumar M and Prof. Amrutha D

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## WINNER OF PRESENTATION ON PRE-EMPLOYMENT TRAINING ON GOOD AND BAD PRATCICES OF CONSTRUCTIONS

2023-03-29

Bharath Kadam and his team got the winning Prize for the presentation on Pre-Employment Training on Good and Bad Practices of Construction \_Association with UltraTech Cement Limited.

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## RUNNER OF PRESENTATION ON PRE-EMPLOYMENT TRAINING ON GOOD AND BAD PRATCICES OF CONSTRUCTIONS

2023-03-29

Kishore S and his team got the winning Second Prize for the presentation on Pre-Employment Training on Good and Bad Practices of Construction\_ Association with UltraTech Cement Limited.

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## SPECIAL PRIZE OF PRESENTATION ON PRE-EMPLOYMENT TRAINING ON GOOD AND BAD PRATCICES OF CONCTRCTION

2023-03-29

Umesh Kumar Singh has a Special Prize for the best individual presentation on Pre-Employment Training on Good and Bad Practices of Construction\_ Association with UltraTech Cement Limited.

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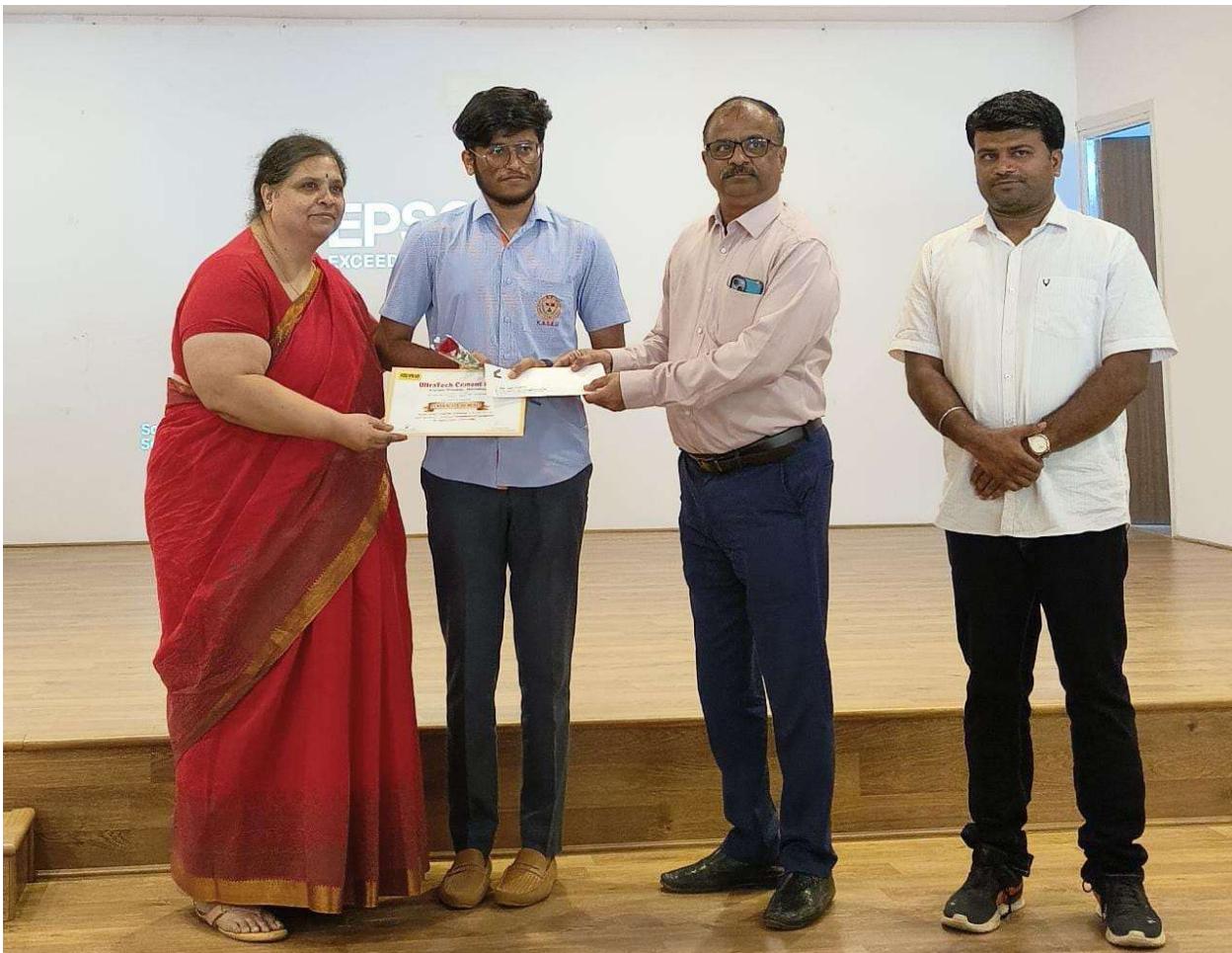


KSCST PROJECT SELECTED FOR STATE LEVEL SEMINAR &  
EXHIBITION 2021-2022

2022-08-13

UG Project "Sustainability of Traditional Rural Mud House in Kanakapura Village: A Study related to Thermal Comfort" , is been selected for the State Level Seminar & Exhibition held at Visvesvarya Technological University. Belagavi on 13th & 14th August 2022. Project Students - ANUP, SACHIN SANGAPPA KAGA, CHAITANYA K N, PRADEEP KUMAR S T Project Guide's - Mr. Naveena M P & Sushma M

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CERTIFICATE OF MERIT FROM ULTRATECH CEMENT LIMITED

2023-03-01

Pavan S (1KG21CV409) has received the certificate of merit from UltraTech Cement Limited for Securing the Highest Marks in Concrete Technology in VTU External Exam.



## WINNERS OF PROJECT EXHIBITION 2021-2022

2022-06-21

Project Exhibition for U G Final Year Students was organized on 21st of June 2022 by K. S. School of Engineering and Management for the students on "Innovative ideas in their projects" Project Title: "Smart Irrigation System using IOT" Project Students: Varun C J, Rohit Yadav, Ravi V, Abhinandan Bhagat Guide: Prof. Shashi Prasad N



## RUNNERS OF PROJECT EXHIBITION 2021-2022

2022-06-21

Project Exhibition for U G Final Year Students was organized on 21st of June 2022 by K. S. School of Engineering and Management for the students on "Innovative ideas in their projects" Project Title: "Transit Oriented Development - A Case Study of Namma Bengaluru Metro Phase 1" Project Students: Bhargava M, Rohit K S, Ganesh S, Muniratanam B S Guide: Prof. Sai Sushma B A

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## OUTSTANDING PERFORMANCE FOR THE FINANCIAL YEAR 2021-2022

2022-01-09

Mr. Nikhil C, Alumni of Department of Civil Engineering, KSSEM has been awarded for "Outstanding Performance for the Financial Year 2021-2022 from "Black Olive Ventures Pvt. LTD."

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## OUTSTANDING PERFORMANCE AS FIELD SURVEYOR 2021-2022

2022-01-09

Mr. Tarun Kumar V, Alumni of Department of Civil Engineering, KSSEM as been awarded "Outstanding performance as Field Surveyor - 2021-2022" from "Black Olive Ventures Pvt. LTD."

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## TECHNICAL MANAGER AT AXIS BANK

Mrs SHALINI GOWDA S K, Alumni of Civil Department of batch 2012-16 Has been working as Technical Manager at AXIS BANK

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## RUNNER UP OF PRESENTATION ON PRE-EMPLOYMENT TRAINING ON GOOD AND BAD PRATCICES OF CONCTRUCTON

Bharath Kadam and his team got the winning Prize for the presentation on Pre-Employment Training on Good and Bad Practices of Construction in association with UltraTech Cement Limited.

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## WINNERS OF THE PROJECT EXHIBITION 2023-24

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### List of FCD Students

- **Department Labs**
- Civil Engineering Department has fully furnished State of Art laboratories. All laboratories are well-equipped to run the academic laboratories courses. Highly experienced Technical staff are available in all the laboratories to assist the students to carry out their lab sessions.
- The Department has :
- Non-destructive testing Equipment (NDT)
- DC motor controlled Shake table
- Vibration table
- User designed Cam

- DC motor controller
- Accelerometer



- **GEOTECHNICAL ENGINEERING LAB**

- B Block B004

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- **CONCRETE & HIGHWAY MATERIALS LAB**

- B Block B001

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Latitude: 12.868298  
Longitude: 77.545641  
Accuracy: 1100.0m  
Time: 17-02-2020 11:45  
Note: Civil Dept Basic Survey room 406

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- **SURVEYING PRACTICE LAB**
- B Block B418
- 



Latitude: 12.859489  
Longitude: 77.543106  
Elevation: 854.3m  
Accuracy: 19.3m  
Time: 17-02-2020 11:44  
Note: Civil Dept 407 Environmental Engg. Lab

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- **ENVIRONMENTAL ENGINEERING LAB**
- B Block B407
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- 
- **ENGINEERING GEOLOGY LAB**
- B Block B418
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- 
- **COMPUTER AIDED DESIGN LAB**
- A Block A001

## Gallery



# ಪ್ರಜಾವಾಣಿ ಹಲ್ಮಿದ್ದಂತ ವಿಡಿಪೀ ಪರಿಹಾರ

### ಪ್ರಜಾವಾಣಿ ವಾರ್ತೆ

**ವೆಂಗಳೂರು:** ಗ್ರಾಮೀಣ ಜನರ ಮಸ್ಕೆಗಳಿಗೆ ಶಾಶ್ವತ ಪರಿಹಾರ ಕಂಡುಕೊಳ್ಳಲು 'ಹಲ್ಮಿಗಳ ಅಭಿವೃದ್ಧಿ ಯೋಜನೆ (ವಿಡಿಪೀ) ಸಿದ್ಧಪಡಿಸಿ, ರೋಕರಕ್ಕೆ ಸಲ್ಲಿಸಲಾಗುತ್ತಿದೆ ಎಂದು ಖೇಸೋವಿಷ್ಟೆ ಎಂಜಿನಿಯರಿಂಗ್ ಮತ್ತು ಮ್ಯಾನೇಜ್‌ಮೆಂಟ್ ಕಾಲೇಜಿನ ಪ್ರಾಂತುಪಾಲ ಕೆ. ರಾಮನರಸಿಂಹ ಹೇಳಿದರು.

ಕೇಂದ್ರ ಮಾನವ ಸಂಪನ್ಮೂಲ ಮತ್ತು ಅಭಿವೃದ್ಧಿ ಸಚಿವಾಲಯ, ಉನ್ನತ ಶಾರತ ಅಭಿಯಾಸದ ಸಹಯೋಗದಲ್ಲಿ



ಹಲ್ಮಿಗಳ ಅಭಿವೃದ್ಧಿ ಯೋಜನೆ (ವಿಡಿಪೀ) ಸಿದ್ಧಪಡಿಸಲು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಮಾರ್ಗದರ್ಶನ ಮಾಡಿದ ಪ್ರಾಂತುಪಾಲ ಕೆ. ರಾಮನರಸಿಂಹ ನೇತ್ಯತ್ವದ ತಂಡ

























- **Departmental Library**
  - Libraries are established for the systematic collection, organization, preservation and dissemination of knowledge and information. It is very important for person to preserve and maintain the valuable knowledge and information contained in the books and documents because we want to preserve our knowledge and wisdom for the coming generations. By preserving the documents in a library this knowledge can be made available to others so that they can benefit from it.
  - Libraries play a vital role in the development of any society by enhancing the cause of education and academic research. They cater to the information needs of thousands of peoples.
- **Collection Of books**

○ <b>Quantitative review for the GMAT, version 9.0</b>	○ Princeton Review
○ <b>In class manual for the GMAT, version 9.1</b>	○ Princeton Review
○ <b>Official TOEFL ibt tests with audio V.1 Educational Testing Service.</b>	○ Tata McGraw Hill Education.

- **30 days to a more powerful vocabulary** Funk, Wilfred.
- Lewis, Norman.
- **Simplified approach to basic electronics**
- Mahadevaswamy, U B.
- **C programming : student guide**
- NIIT
- **Programming in C**
- Somashekara, M T.
- **Engineering mathematics Part - III : for third semester B.E. classes (all branches) as per revised VTU syllabus 2011**
- Chandrasekharaiah, D S.
- **Higher engineering mathematics**
- Grewal, B S. Grewal, J S.
- **Elasticity for engineers**
- Sitharam, T G. Govindaraju, L.
- **Building with stabilized mud**
- Jagadish, K S.
- **Prestressed concrete structures**
- Dayaratnam, P. Sarah, P.
- **Design of reinforced concrete structures**
- Dayaratnam, P. Sarah, P.
- **Alternative building materials and technology**
- Ashwini Manjunath, B T.
- **Brick and reinforced brick structures**
- Dayaratnam, P. Sarah, P.
- **Limit state design of steel and RCC structures**
- Halakatti, Vijayakumar. Prakas
- **Disaster management**
- Subramanian, R.
- **Elements of civil engineering and mechanics : as per revised syllabus of VTU, sem I/II, common to all branches**
- Sawant, H J. Nitsure, S P.
- **Text book of elements of civil engineering and mechanics : prepared as per new curriculum w.e.f 2018-19, prescribed by VTU Belgaum and also for other universities, for I/II sem B.E.**
- Kolhapure, B K.
- **Structural design in steel**
- Raz, Sarwar Alam.

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- **Concrete technology : theory and practice**
- **Concrete technology**
- **Indian standard criteria for earthquake resistant design of structures Part - I : general provisions and buildings**
- **Indian standard plain and reinforced concrete code of practice**
- **Waste water engineering : environmental engineering - 2, including air pollution**
- **Water supply engineering : environmental engineering - 1**
- **Highway engnineering**
- Ramchandra. Gehlot, Virendra
- Ramchandra.
- Krishnamurthy, D.
- Ramchandra.
- Vazirani, V N. Ratwani, M M.
- Shetty, M S.
- Neville, A M. Brooks, J J.
- Santhakumar, A R.
- Santhakumar, A R.
- Krishna Raju, N.
- Gambhir, M L.
- Vazirani, V N. Chandola, S P. a
- Bureau of Indian Standards
- Bureau of Indian Standards
- Punmia, B C. Jain, Ashok Kum
- Punmia, B C. Jain, Ashok Kum
- Wright, Paul H. Dixon, Karen K

- **Harbour, dock and tunnel engineering : a text book for engineering students** ○ Srinivasan, R.
- **Standard specifications and code of practice for road bridges, sec-II : loads and stresses** ○ Indian Roads Congress
- **Design aids for reinforced concrete to IS:456-1978** ○ Bureau of Indian standards
- **Elements of matrix and stability analysis of structures** ○
- ○ Rehabilitation of concrete struc
- **Concrete technology** ○
- **Basics of structural dynamics and aseismic design** ○ Damodarasamy, S R. Kavitha,
- **Fundamentals of soil dynamics and earthquake engineering** ○
- **Mechanical vibrations** ○ Grover, G K. Nigam, S P.
- **Design loads for bridges** ○
- **Guidelines for earthquake resistant buildings** ○ Paul, D K. Singh, Yogendra. and
- **Earthquake engineering practice** ○ National Information Center o (NICEE)
- **Irrigation engineering** ○ Raghunath, H M.
- **Principles of hydrology** ○ Yadupathi Putty, Mysooru R.
- **Water power engineering** ○ Lamba, Naresh.
- **Ground water hydrology** ○ Todd, David Keith.
- **Water resources engineering** ○ Wurbs, Ralph A. James, Welse
- **Hydrology : principles, analysis design** ○ Raghunath, H M.

- **Textbook of hydrology : in MKS and SI units for degree, UPSC, engineering services and AMIE, Indian students** ○ Reddy, P Jaya Rami.
- **Irrigation water resources and water power engineering** ○ Modi, P N.
- **Irrigation and water resources engineering** ○ Asawa, G L.
- **Prestressed concrete structures** ○ Dayaratnam, Pasala.
- **Design and drawing of steel structures** ○ Bhavikatti, S S.
- **Steel metallurgy : properties, specifications and applications** ○ Mandal, S K.
- **Design of prestressed concrete structures** ○ Lin, T Y. Burns, Ned H.
- **Prestressed concrete structures** ○ Dayaratnam, Pasala.
- **Prestressed concrete structures** ○ Dayaratnam, Pasala.
- **Prestressed concrete** ○ Krishna Raju, N.
- **Book of quality audit and quality control (QA and QC) : a technical guide on building constructions and services** ○ Suryanarayana, K S.
- **Quality materials for building construction (specification and tests) : a handbook for site engineers, site supervisor, contractor, quality engineer, site inspecting officer and management consultants** ○ Suryanarayana, K S.
- **Design of steel structures - 2, SI units** ○ Ram Chandra.
- **Official guide for GMAT review 2017 John Wiley. Graduate Management** ○ Admission Council.
- **Barron's how to prepare for the TOEFL test of english as a foreign language with audio CDs** ○ Sharpe, Pamela J.
- **R. Gupta's reasoning skills : a comprehensive book for all competitive exams** ○ Ravinder Kumar.
- **Building maintenance and economic construction** ○ Suryanarayana, K S.

- English - Kannada civil engineering dictionary ○ Suryanarayana, K S.
- Limit state design of steel structures ○ Duggal, S K.
- Engineering mechanics and elements of civil engineering ○ Bhavikatti, S S. Duggal, S K.
- Engineering mechanics : statics and dynamics ○ Dubey, N H.
- Engineering mechanics ○ Kumar, K L.
- Text book of applied mechanics : engineering mechanics ○ Ramamrutham, S. Narayanan
- Casting method of RCC structural members of a building : practical guidance for quality work ○ Suryanarayana, K S.
- Classical mechanics with MATLAB applications ○ Hasbun, Javier E.
- Textbook on elements of civil engineering and mechanics : as per VTU 14CIV13/23 syllabus ○ Bhavikatti, S S.
- Textbook on elements of civil engineering and engineering mechanics : as per VTU 10CIV13/10CIV23 syllabus ○ Bhavikatti, S S.
- Text book of mechanics of materials ○ Shesha Prakash, M N. Suresh,
- Elements of civil engineering and engineering mechanics ○ Shesha Prakash, M N. Mogave
- Textbook of engineering mechanics, SI units ○ Rajput, R K.
- Text book of elements of civil engineering and engineering mechanics : prepared as per new curriculum w.e.f 2014-15, prescribed by VTU Belgaum, for I/II sem BE ○ Kolhapure, B K.
- Elements of civil engineering and engineering mechanics : as per new CBCS scheme of VTU ○ Sreekeshava, K S. Arun Kumar,
- Engineering mechanics V.1 : statics ○ Meriam, J L. Kraige, L G. and Pa

- **Civil engineering contracts and estimates** ○ Patil, B S.
- **Estimating and costing in civil engineering : theory and practice including specifications and valuation,M.K.S. system** ○ Dutta, B N.
- **Surveying** ○ Narayan, Gopal.
- **Surveying 3 : higher surveying** ○ Punmia, B C. Jain, Ashok Kumar
- **Surveying** ○ Saikia, Mimi Das. Das, Bhargava Mohan.
- **Fundamentals of surveying** ○ Roy, S K.
- **Text book of surveying** ○ Rao, P Venugopala. Akella, Vijay
- **Text book of surveying** ○ Rao, P Venugopala. Akella, Vijay
- **Surveying V.1** ○ Duggal, S K.
- **Strength of materials** ○ Basavarajaiah, B S. Mahadeva
- **Strength of materials** ○ Bhavikatti, S S.
- **Strength of materials** ○ Srivastava, A K. Gope, P C.
- **Strength of materials, SI units : for GBTV/MTV, B.Tech, B.Sc. B.E., U.P.S.C., I.E.S., A.M.I.E. and other engineering universities with solved papers** ○ Pathak, S S.
- **Strength of materials : a practical approach, V.1** ○ Rao, Prakash D S.
- **Mechanics of solids** ○ Singh, Arbind Kumar.
- **Strength of materials : mechanics of solids in SI units** ○ Rajput, R K.
- **Fundamentals of strength of materials** ○ Chandramouli, P N.
- **Strength of materials** ○ Subramanian, R.

- **Strength of materials** ○ Subramanian, R.
- **Strength of materials** ○ Subramanian, R.
- **Fundamentals of soil mechanics : a treatise on strength of materials** ○ Gambhir, M L.
- **Strength of materials : for engineering, degree, diploma and AMIE students** ○ Ramamrutham, S. Narayanan,
- **Design of reinforced concrete structures** ○ Gambhir, M L.
- **Design of reinforced concrete structures** ○ Gambhir, M L.
- **Fundamentals of reinforced concrete design** ○ Gambhir, M L.
- **Limit state design of reinforced concrete** ○ Varghese, P C.
- **Practical design of reinforced concrete structures** ○ Ghosh, Karuna Moy.
- **Design of R.C.C. structural elements V.1 : RCC** ○ Bhavikatti, S S.
- **Design of R.C.C. structural elements V.1 : RCC** ○ Bhavikatti, S S.
- **Reinforced concrete structures** ○ Khan, Naseer.
- **Concrete structures : analysis, design and details of structures, V.4** ○ Vazirani, V N. Ratwani, M M.
- **Advanced reinforced concrete design** ○ Varghese, P C.
- **Concrete structures : analysis, design and details of structures, in SI units according to new SI code 456, 1978 V.4** ○ Vazirani, V N. Ratwani, M M.
- **Reinforced concrete structures** ○ Sharief, M F.
- **Concepts and applications of finite element analysis** ○ Cook, Robert D. Malkus, David al....
- **Elementary structural design and drawing V.1** ○ Krishnamurthy, D.

- **Reinforced concrete structures** ○ Park, R. Paulay, T.
- **Reinforced concrete structures** ○ Punmia, B C. Jain, Ashok Kumar
- **Limit state design of reinforced concrete : as per IS 456 - 2000** ○ Punmia, B C. Jain, Ashok Kumar
- **Limit state design of reinforced concrete : as per IS 456 - 2000** ○ Punmia, B C. Jain, Ashok Kumar
- **Design of reinforced concrete structures IS : 456 - 2000** ○ Krishna Raju, N.
- **Reinforced concrete design : IS 456 - 2000, principles and practice** ○ Krishna Raju, N. Pranesh, R N.
- **Design of reinforced concrete structures** ○ Subramanian, N.
- **Design of reinforced concrete structures** ○ Subramanian, N.
- **Design of reinforced concrete structures** ○ Subramanian, N.
- **Reinforced concrete structures V.2** ○ Punmia, B C. Jain, Ashok Kumar
- **Matrix analysis of framed structures** ○ Weaver, William. Gere, James
- **Advance R.C.C. design V.2 : RCC** ○ Bhavikatti, S S.
- **Textbook of fluid mechanics** ○ Bansal, R K.
- **Soil mechanics and foundations** ○ Punmia, B C. Jain, Ashok Kumar
- **Matrix methods of structural analysis : theory and problems** ○ Natarajan, C. Revathi, P.
- **Design of steel structures : by limit state method, as per IS 800 - 2007** ○ Bhavikatti, S S.
- **Earthquake-resistant design of structures** ○ Duggal, S K.
- **Management and entrepreneurship** ○ Naidu, N V R. Rao, T Krishna.
- **Management and entrepreneurship** ○ Naidu, N V R. Rao, T Krishna.

- **Basics of structural dynamics and aseismic design** ○ Damodarasamy, S R. Kavitha,
- **Basics of structural dynamics and aseismic design** ○ Damodarasamy, S R. Kavitha,
- **Matrix methods of structural analysis** ○ Godbole, P N. Sonparote, R S.
- **Advanced reinforced concrete design : IS 456 - 2000** ○ Krishna Raju, N.
- **Structural analysis : a matrix approach Pandit, G S. Gupta, S P.** ○ Pandit, G S. Gupta, S P.
- **'Structural analysis : a matrix approach** ○ 'Pandit, G S. Gupta, S P.
- **Computational structural mechanics** ○ Rajasekaran, S. Sankarasubramanian

## Higher Education

- The department conduct higher studies awareness program in order to motivate the students to do higher studies both within the country and abroad. The department in association with training and placement department helps students in understanding the importance of attempting various competitive exams like GATE, IELTS, GRE, TOEFL etc.
- **Higher Studies:**
- Structural Engineering
- Construction Technology
- Highway Engineering
- Transportation Engineering
- Geotechnical Engineering
- Environmental Engineering
- Computer aided Design
- Water resource and Land Management
- Rock Engineering and Underground Structure
- Industrial Structures
- Geo Informatics

## Civil Engineering Department Forum : ARCVIL

To foster the talents of Young Civil engineering students, we the students of civil engineering of KSSE initiated to open their very own technical forum

called ARCVIL. The name ARCVIL is aiming at technical gathering, innovation, hard work and lots of fun!

### **Teaching And Learning**

The faculty of Civil department attends various MOOCS and training programs on advanced topics, update their knowledge and skills, and gives additional inputs in the classes.

Further, the faculty conducts various innovative teaching and learning activities inside and outside the classrooms to engage the students effectively and efficiently. The teaching and learning activities conducted by the faculty for the improvement of student learning includes:

- Teaching with working models, simulations and animated videos
- Assignments which include Miniprojects and Case studies
- Conduction of online and classroom quizzes, surprise class tests, open book assignments, group discussions, seminars etc.
- Usage of ICT, Pupilpod and Google classrooms for posting assignments and lecture materials
- Usage of Google forms and Kahoot for online interaction, assessment and evaluation

The instructional materials and pedagogical activities are uploaded in Google drive and the associated links are made available on institutional website for student and faculty access.

### **Instructional Materials**

Instructional Materials are made available for public access.

course materials [\[view here\]](#)

### **Pedagogical Activities**

Pedagogy is the method and practice of teaching an academic subject or theoretical concept. Pedagogical skills involves being able to convey knowledge and skills in ways that students can understand, remember and apply. Pedagogies involve a range of techniques, including whole-class and structured group work, guided learning and individual activity. Pedagogies focus on developing higher order thinking.

Pedagogy Report [\[view here\]](#)

### **Pedagogy Review Form**

The Peer review forms associated with pedagogical activities are made available for public access, peer review, critique and further development.

Design of PSC [\[view here\]](#)

Air Pollution [\[view here\]](#)

CONCRETING TECHNIQUES AND PRACTICES [\[view here\]](#)

Fire Safety In Buildings [\[view here\]](#)

Geo Technical Engineering [\[view here\]](#)

Hydrology and irrigation engineering [\[view here\]](#)

SURVEYING [\[view here\]](#)

Remote sensing &GIS [\[view here\]](#)

Universal Human Values [\[view here\]](#)

RESEARCH METHODOLOGY [\[view here\]](#)

Construction Technology for Substructures and Superstructures (21CV72) [\[view here\]](#)

Fluid Mechanics [\[view here\]](#)

Prestressed Concret\_BCV703 [\[view here\]](#)

Water supply and wastewater engineering (BCV304) [\[view here\]](#)

Pedagogy Report on Water supply and wastewater engineering /BCV304 [\[view here\]](#)

Geotechnical Engineering (BCV502)\_2024-25 [\[view here\]](#)

Geotechnical Engineering (BCV502)\_2024-25 [\[view here\]](#)

Fire Safety in Buildings (BCV306D)\_2024-25 [\[view here\]](#)

Construction Technology for Substructure and Superstructure (21CV72)\_2024-25 [\[view here\]](#)

## **Internships / Trainings**

Internships are foundational in preparing students for the workforce and providing opportunities after graduation. Most employers seek career-ready college graduates who have been equipped with prior experiences and skills in a given field. An internship is important because it can present you with new skills and opportunities that student would not receive otherwise. Interns not only gain technical knowledge within the industry of their

choice, but they also learn how to interact with professionals in a workplace setting, and develop essential soft skills like time management, organization, adaptability, problem-solving and teamwork. An internship is the best way to gain work experience as a student. Internships give you the valuable practical experience needed along with theoretical knowledge. Employers often note that there is a disconnect between the requirements of the industry and the academics. This gap can be bridged by an internship and pitch you as an ideal candidate.

### **Projects**

Final year project is one of the most important aspects of Engineering degree. Final year project will be the first exposure to the full rigour of Engineering practice. It is essential that students learn from this exposure and practise all of the engineering methodologies involved. It is particularly important that students learn not just to apply what they know, but to apply it with judgement.

### **Industrial Visit / Site Visit**

Objectives of industrial visit is to provide students an insight regarding internal working of companies. Students know, theoretical knowledge which is not enough for making a good professional career. With an aim to go beyond academics, the department conducts industrial visit provides student a practical perspective on the world of work. The department also provides the visit to premier institutions like IISc and IIIT during Open Day and Open House respective events to give students awareness to newer technologies that help them in deciding the project topics during their final year.

### **Field Visit\_CV\_2025-26**

Torekadanhalli Water Purification Plant

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### Field Visit\_CV\_2024\_25

Visited to Shobha Concrete Blocks



### **Industrial Visit\_Nirmaana\_2024\_25**

Department of Civil Engineering .K.S.School of Engineering & Management had organized one Day visit to NIRMAANA -2024,Smart and Sustainable Construction with Futuristic Technologies on 13th September 2024.



### **Field Visit \_CV\_2024\_25**

ACETECH Fair

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### Field visit\_CV\_2023\_24

Visited to Shivanasamudra Hydro powerplant



## **Field Visit\_2022\_23**

International Plumbing Materials Fair

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## **Field Visit\_CV\_2022\_23**

Construction Site Visit

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### **Field Visit\_CV\_2022\_23**

Heritage walk\_Belur & Halebidu

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### **Field Visit\_CV\_2022\_23**

Ashirwad Plumbing School

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## Field Visit\_2022-23

Stona\_2023

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### **Field Visit \_CV\_2022\_23**

TK Halli Water Treatment Plant

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### **Field Visit -CV-2022\_23**

Concrete RMC Plant

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### **Field Visit\_2022\_23**

International Architecture and Construction Materials Fair

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### **Field Visit-CV-2020-21**

Field Visit-CV-2020-21

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### **Field Visit -CV-2019-20**

Torekadanahalli Water Purification Plant

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### **Field Visit-CV-2019-20**

Stabilized Interlocking blocks Plant

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### **Field Visit \_CV\_2019-20**

Concrete RMC Plant

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### **Field Visit\_CV\_2019-20**

Steel Structures\_Hospital Building

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### **Field Visit\_CV\_2018-19**

Structural Engineering Research Centre

#### **Project Exhibition**

Project Presentation is organized to evaluate the projects by experts from Academic Institutions and/Industry. The students demonstrate the projects to the jury. The evaluation is done and 2 prizes are awarded for the best projects.



### **Project Name: Project Exhibition**

Description: Project Exhibition for U G Final Year Students was organized on 8th of May 2024 by K. S. School of Engineering and Management for the students on "Innovative ideas in their projects" Project Title: " "Potential use of biofilters, constructed wetland and solar driven disinfection for grey water treatment in rural areas. " Project Students: Lakshmisha, Chandan, Bhemmaraju Guide: Dr. Rashmi HR and Mrs Pallavi M. Er Madan Mohan Rao, Consultant was the Judge for the Event

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### **Project Name: Project Exhibition**

Description: Project Exhibition 2022-2023 was organized on 08/05/23 by K. S. School of Engineering and Management for the projects designed and developed by students on innovative ideas. Dr. Rajeeva Subbaiah Venkatesh, Professor(Retd.), Dept. of Civil Engineering , NITK Surathkal was the Judge for the event.

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### **Project Name: Project Exhibition**

Description: Project Exhibition 2021-2022 was organized on 14/05/22 by K. S. School of Engineering and Management for the projects designed and developed by students on innovative ideas. Dr. Rajeeva Subbaiah Venkatesh, Professor (Retd.), Dept. of Civil Engineering, NITK Surathkal was the Judge for the event.

### **MOUs Signed**

The Memorandum of Understanding details modalities and general conditions regarding collaboration between the INDUSTRY and KSSEM. Also facilitate for enhancing and encouraging students for interactions between the Industry Experts, Scientists, Research fellows and Faculty members for knowledge sharing with the following objectives:-

- Collaboration in conduction of conferences, workshops, seminars and hackthons.
- Provides industry exposure to KSSEM students.
- Mutually agreed guidance for student's projects and scholar's research works through internship and industrial training.
- Provision given for the usage of institute infrastructure by industry like library, internet and computational facilities etc.

Sree Shobha Concretes [\[view here\]](#)

Rapsol Technologies [\[view here\]](#)

UltraTech Cement Limited [\[view here\]](#)

Ascend [\[view here\]](#)

CADD centre [\[view here\]](#)

Sir MV Skills [\[view here\]](#)

## NBA Links

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    - - 2.2.5 Industry Visit Feedback Form Sample [view here](#)
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    - - 2.2.1 Teaching Learning Process [view here](#)
    - - 2.2.2 \_Sample Question Paper [view here](#)
    - - 2.2.2\_ Assignment Sample Paper [view here](#)
    - - 2.2.3 \_Project List [view here](#)
    - - 2.2.3\_Project Evaluation [view here](#)
    - - 2.2.3 \_Project Individual Performance [view here](#)
    - - 2.2.1\_Final [view here](#)
    - - 2.2.1\_Slow Learners Chart [view here](#)
    - - 2.2.1\_Slow Learners [view here](#)
    - - 2.1\_Teaching and Learning [view here](#)
    - - 2.2.1 \_VTU Calender [view here](#)
    - - 2.2.1\_College Calender [view here](#)

- - 2.2.1 \_Departemnt Calender [view here](#)
- - 2.2.1\_Pedagogy Intiative [view here](#)
- - 2.2.1\_Fast Learners [view here](#)
- - 2.2.5\_Student Feedback [view here](#)
- - 2.2.1\_Weak students [view here](#)
- - 2.2.5\_Class Committe MEeting [view here](#)
- - 2.2.1\_Slow Learner Updated [view here](#)
- - 2.2.5\_Responce to Industrial Visit [view here](#)
- - 2.2.5\_Responce to Internship [view here](#)
- - 2.2.2\_QP [view here](#)
- - 2.2.2\_Question Paper [view here](#)
- - 2.2.2\_Scheme and Solution [view here](#)
- - 2.2.2\_Blue book [view here](#)
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  - - 3.2.1\_Record Book [view here](#)
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  - - 3.2.1 Project Report [view here](#)

- - 3.2.1 Project Report [view here](#)
  - - 3.2.1 \_Project Report [view here](#)
  - - 3.2.1 \_Project Report [view here](#)
  - - 3.2.1\_Lab [view here](#)
  - - 3.2.1\_Project Report \_21 Scheme [view here](#)
  - - 3.2.1\_Lab Record [view here](#)
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  - - 3.2.1\_IA Document\_2022 Batch [view here](#)
  - - 3.2.1\_Technical Seminar\_18 Scheme [view here](#)
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  - - 3.2.1\_2021 Scheme Flowchart [view here](#)
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  - - Calculation of Scores for Semester End Exam [view here](#)
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  - - 3.3.1\_PO & PSO EVALUATION SHEET 2018-2022, 2019-2023 [view here](#)
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  - - FACULTY ACHEIVEMENT- [view here](#)
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  - - 9.2 Alumni Feedback Survey [view here](#)
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  - - 9.6 Patent File [view here](#)
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- - 9.7 NSS Activity \_2024\_25 [view here](#)
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- - 9.7 workshop on AI-2-pic [view here](#)
- - 9.7 workshop on AI-3-pic.png [view here](#)
- - 9.7 NSS Activity 2021-2022 -pic [view here](#)
- - 9.7 Rotaract club 2022-2023 -pic.jpg [view here](#)
- - 9.7 Rotaract club 2023-2024 -pic.jpg [view here](#)
- - 9.7 Rotaract club 2024-2025 -pic.jpg [view here](#)
- - 9.5 Placement Drive 2024 Batch [view here](#)
- - 9.2 \_Feedback [view here](#)
- - 9.5 Placed students details updated [view here](#)
- - 9.5 Placed students details updated (1).pdf [view here](#)
- Criteria 10
- - - 10.2.1 [view here](#)
  - - 10.2.1 [view here](#)