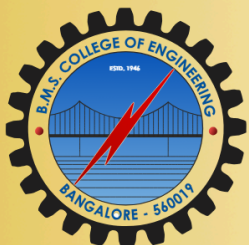


DEPARTMENT OF CIVIL ENGINEERING

NIRAMITI

Newsletter

“Where Achievements Rise Like Skylines”



B.M.S. COLLEGE OF ENGINEERING

Bull Temple Rd, Basavanagudi, Bengaluru, Karnataka 560019
(Accredited by NAAC with “A++” Grade, NBA - Tier I)

July-Dec 2025

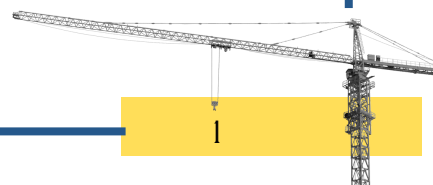


Art of Devotion



Art by: Bhavana C Naik

A disciplined mind leads to happiness, an uncontrolled mind leads to misery. Your thoughts shape your destiny.



Message from Editorial Team

Dear Readers,

It is with great joy and enthusiasm that we welcome you to this edition of our Civil Engineering Department newsletter! Think of this not just as an update – but as a grand construction site of ideas, stories, and achievements... minus the dust and noise.

Inside, you'll find the blueprints of our dreams, the concrete of our hard work, and the steel of our determination (and yes, maybe a few puns along the way – we couldn't resist). From awe-inspiring projects to events that left us smiling for days, from innovative research to seminar talks where faculty and students unleashed a storm of ideas, debated theories like it was the Engineering World Cup, and kept one eye on the speaker and the other on the snack table, to the everyday experiences that showcase the spirit of perseverance and teamwork – we've got it all.

So grab your safety helmet of curiosity, step onto the site of inspiration, and join us as we keep building not just structures, but a vibrant, unstoppable community.

Proudly pouring the foundation of this edition,

– Your Editorial Team



Dr. Sureka Naagesh
Professor & HOD, Civil Engineering Department

Faculty Co-ordinators



Dr. Priya V
Assistant Professor



Mr. Arjun K
Assistant Professor

“From sketches to skylines, together we rise.”

Civil Engineering is more than classrooms and textbooks – it’s about shaping the world we live in. Every workshop you join, every site visit you attend, every extra effort you make outside the syllabus adds a new brick to your professional journey.

“Coming together is a beginning. Keeping together is progress. Working together is success.” – Henry Ford

In Civil Engineering, every great project – from bridges to buildings, from roads to runways – is not the work of one, but the result of many minds and hands moving as one. Just like concrete gains strength when its ingredients bond together, true success in our field comes when teamwork and collaboration lay the foundation.

And it is this unity that allows us to rise – from sketches to skylines.

Student Co-ordinators



Aadeesh Pramod Kini
Chief Editor



Charan J
Designer



Barath M
Curator



Nishanth H. R
Junior Editor



Harshitha R
Junior Editor

• Institute •

Vision

Promoting Prosperity of mankind by augmenting human resource capital through quality Technical Education & Training.

Mission

Accomplish Excellence in the field of Technical Education through Education, Research and Service needs of Society.

• Department •

Vision

To be an excellent center for imparting quality higher education in Civil Engineering for a constantly changing societal needs with credibility, integrity and ethical standards

Mission

Accomplish excellence in curricular, co-curricular activities with a committed faculty through teaching and research which creates technically competent and dedicated civil engineers to serve their surroundings with pride.

Teachers' Corner



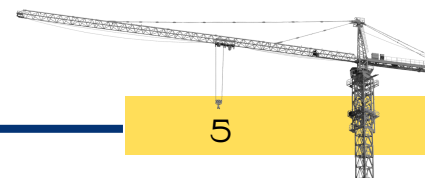
Dr. Sreenivasa Murthy A.
ASSISTANT PROFESSOR
DEPARTMENT OF CIVIL ENGINEERING

Building the Future: Integrating Civil Engineering with Smart Connectivity

The evolution of infrastructure has moved far beyond traditional construction, entering an era where civil engineering seamlessly integrates with telecommunications to create smart, efficient, and sustainable buildings. Modern structures are no longer just physical entities; they are dynamic digital platforms designed to support high-speed connectivity, automation, and data-driven operations.

A key highlight of this transformation is the concept of smart buildings, which combine structural engineering with Information and Communication Technology (ICT) and the Internet of Things (IoT). These buildings utilize sensors, automation systems, and data analytics to optimize energy consumption, enhance user comfort, and improve operational efficiency. Features such as real-time monitoring, predictive maintenance, and intelligent space utilization are redefining how buildings function in today's digital age.

However, traditional civil engineering practices often overlooked telecom integration, leading to challenges such as poor indoor signal strength, lack of structured cabling, and absence of dedicated telecom infrastructure.

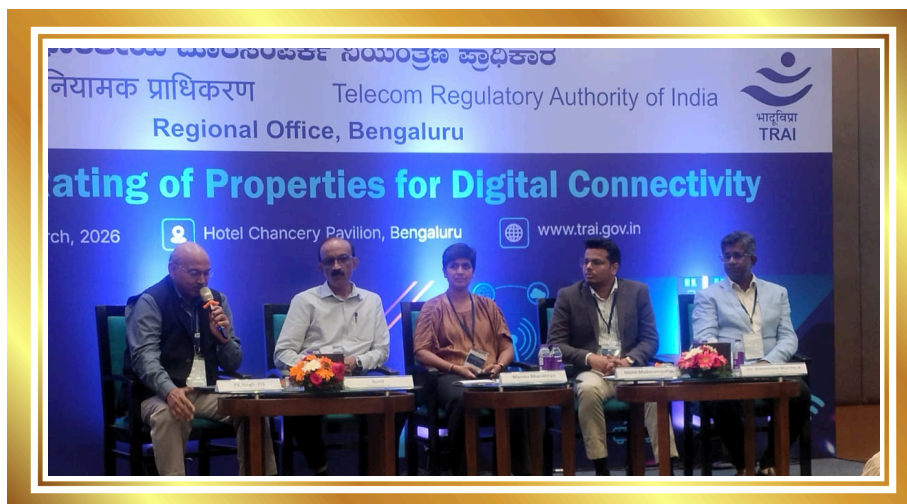


Teachers' Corner

Similarly, early telecommunication systems faced issues like limited coverage, low bandwidth, and high signal interference. Addressing these gaps requires a coordinated approach that merges civil design with digital infrastructure planning.

Modern solutions emphasize the inclusion of telecom ducts, fiber pathways, Distributed Antenna Systems (DAS), and smart connectivity provisions right from the design stage. Policy reforms, updated building codes, and incentives for smart infrastructure are essential to promote this integration. Additionally, green building rating systems now incorporate digital readiness alongside sustainability metrics.

Looking ahead, buildings will act as data hubs within smart cities, supporting advanced technologies such as 5G, edge computing, and AI-driven systems. The future lies in collaborative planning, where civil engineers, telecom experts, and policymakers work together to create intelligent, connected, and sustainable built environments.



Alumni Corner



Darshan D Gowda

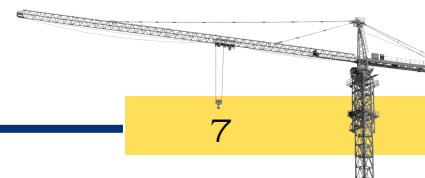
Former M.Tech Student, B.M.S College of Engineering,
Bengaluru

Senior engineer , TATA CONSULTING ENGINEERS

From Campus to Consultancy: A Civil Engineer's Journey

I'm a 2021 pass-out from Civil Engineering. Right after graduation, I pursued my Master's in Structural Engineering and soon began my professional journey at Tata Consulting Engineers. Looking back, I still remember how everyone used to say, "Civil is an evergreen course." At that time, it sounded like a motivational line. Today, I can confidently say—it's true.

We are living in a world where AI is transforming industries, especially programming and IT. But in the civil engineering field, AI has not replaced core engineering judgment. Optimization tools exist, yes—but real structural design, stability checks, practical detailing, and on-site decisions still require human understanding and responsibility. For at least the next decade, civil engineering remains a strong and stable career path.



• Alumni Corner •

Right now, you are enjoying your college life—enjoy it to the fullest. Make memories, build friendships, explore fests and events. Because once professional life begins, it's mostly work, work, and more work. But while enjoying, don't ignore the fundamentals. A strong grip on basics like structural analysis, mechanics, and design principles will differentiate you in the long run.

Civil engineering offers multiple sectors to explore. In Steel structures and RCC (Reinforced Cement Concrete), there are further divisions like infrastructure, nuclear projects, renewable energy structures, mining structures, and tall buildings. Each sector has its own challenges and learning curve.

If you want to enter structural design, start learning industry-relevant software. Tools like STAAD.Pro and ETABS are widely used for analysis, while SAFE and RCDC are essential for design and detailing. More importantly, try to do your internships in a consultancy firm. That's where you truly understand real projects, client requirements, and practical constraints—not just textbook theory.

Civil engineering is demanding, but it is deeply satisfying. Build strong foundations—both in knowledge and character.

All the very best for your future.

• Students' Corner •



DAMAYANTHI R
7th Sem, 4th Year
Civil Engineering
Linked-In: Damayanthi R

Mangaluru Smart City: A Step Towards Modern Urban Development

The city of Mangaluru has been selected under the Smart Cities Mission to improve urban infrastructure and quality of life through technology and sustainable planning. As a coastal city and port hub, Mangaluru is experiencing rapid urban growth, making smart planning essential.

The initiative focuses on improving transportation, sanitation, water supply, and digital governance. Projects include better road networks, intelligent traffic management, modern public spaces, smart lighting, waste management systems, and upgraded drainage facilities to improve efficiency and sustainability.

A key part of the project is the redevelopment of central areas with improved pedestrian facilities, cycling tracks, and green spaces. Public places around Panambur Beach and commercial zones are being upgraded to boost tourism and economic activity.

Technology also plays a major role through digital monitoring systems, public Wi-Fi, and online civic services that enhance governance and citizen participation. Overall, the Mangaluru Smart City project demonstrates how infrastructure, environment, and technology can work together to create a more sustainable and livable urban future.

Reinforcing Excellence

Strong foundations build lasting success.

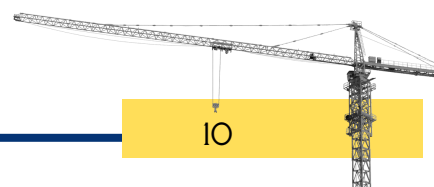


Welcome, Builders of Excellence

To our dedicated faculty — your willingness to step out of the classroom and into learning halls speaks volumes about your passion for growth and your unwavering commitment to excellence. Every seminar you attend, every workshop you embrace, and every new idea you explore reflects the timeless truth that “sharpening the axe never delays the work — it strengthens the hands that hold it.

By investing your valuable time in learning today, you are laying the strong foundations for tomorrow. Each new skill mastered, each fresh perspective gained, becomes a brick in the stronger, brighter academic future you are building — not only for yourselves, but for us, our department, and the institution we proudly represent.

Your pursuit of continuous improvement does more than enhance your own capabilities — it inspires a culture of curiosity, innovation, and integrity. It shows us that learning is not a destination but a lifelong journey. It strengthens the belief that teaching is not just a profession, but a commitment to shaping lives, advancing knowledge, and leaving behind a legacy that grows richer with every effort.



From July to December : Our Journey

7th -17th July 2025

Dr. Geetha Kuntoji, Dr. Sreenivasa Murthy, Dr. Asha, Dr. Priya, Dr. Manish S Dharek, Dr. Chethana R, Prof. Alok Pandey, Prof Manjunath S V attended Two Week FDP on Python Programming – Concepts to Application in BMSCE.

1st August 2025

Prof. Arjun was invited as a resource person to address the new joiners and Interns on "Non Destructive testing - Implementation in field and its limitation in analysis " at RM Consultants, Malleshwaram, Bangalore.



29th August 2025

Dr. Jaya R Shinganmakki, Professor in the Department of Civil Engineering, attended the Technical Advisory Committee (TAC) meeting as a special invitee of Bengaluru Smart Infrastructure Limited (B-SMILE), an SPV for major infrastructure projects in Bengaluru. The meeting at BBMP Headquarters reviewed DPR proposals for elevated corridors, which were technically evaluated for alignment and feasibility to reduce city congestion.

24th July 2025

Dr. Reshmi Devi T V attended one day Symposium at IISC, Bangalore.

18th August 2025

Prof. Arjun K, Assistant prof of Civil Engineering department attended two weeks FDP on ‘Design of building using ETABS’ organized by Skill Dzire in collaboration with AICTE.

19th August 2025

Dr. Jaya R Shinganmakki Professor, Department of Civil Engineering delivered a guest lecture on surface preparation and Pothole repair methods using hot mix, cold mix, and Eco fix road-repair mix for BBMP engineers and relevant officials at Town Hall, Bangalore. The session was graced by the Chief commissioner of BBMP, Sri Maheshwar Rao. IAS and Special commissioner (Projects) Sri. Kari Gowda, Chief engineer- Dr. Raghavendra Prasad Superintending Engineer – Mrs. Hemalatha and several other senior CE’s and dignitaries from the Govt.



26th August 2025

The Dept of Civil Engg organized a guest lecture for their PG students (Transportation Engg) on “Prefab & Precast Technology in current World” by Er. Madan Madhav Rao, Director, Technical & Strategy, Control Bites Safety, Consulting LLP, Bengaluru and Dr. Manjunath R, Assistant Professor coordinated.



2nd September 2025

Prof. Jaya R. Shinganmakki, Prof., Dept of Civil Engg., delivered a guest lecture at M S Ramaiah Institute of Technology, Bangalore on the topic “Use of Alternate Materials in Road construction- Theory to practice” on 2nd September 2025, during the FDP on “Sustainable Practices and AI Applications in Civil Engineering” conducted by the Department of Civil Engg., at MSRIT



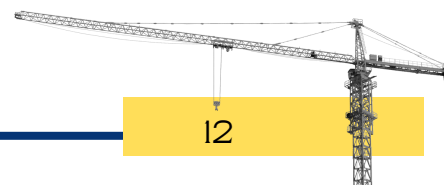
29th August 2025

Dr. Arun Kumar A S Professor and Dr. Jaya R Shinganmakki Professor, Department of Civil Engineering, conducted a site visit to visually inspect the Structural condition of Retaining walls and Pavement functionality of Cable-stayed Bridge ramp portions at KR Puram Bridge Bengaluru, on request of Executive Engineer, RI-K.R. Pura Division, BBMP



1st - 3rd & 8th - 10th Sept 2025

Department of Civil Engineering in association with Autodesk ISCT conducted Hands on software training in Building information Modelling (BIM) for VII semester students and was coordinated by Prof. Chiranth Bore and Dr A. Sreenivas Murthy.



4th September 2025

Dr. Arun Kumar A. S. and Dr. Jaya R. S., Professors., Dept of Civil Engg along with the other technical committee members conducted a site visit to visually inspect the site location of the proposed Construction of Short Length Transitory 3Lane Bi-directional Underpass connecting Hebbal flyover Junction to Veterinary College on Bellary Road via GKVK premises taken up by Bengaluru Smart Infrastructure Limited (BSMILE).



24th September 2025

A three day training Course on “ArcGIS Pro: Essential Workflows” was conducted from 24th September 2025 at BMSCE upon procuring “ArcGIS software” by Dept of Civil Engg. Dr. Reshmi Devi, Dr. Prathima, Dr. Dheeraj Kumar & Dr. Jaya R S attended the training program.



1st October 2025

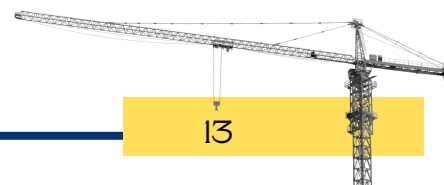
Dr. Jaya R Shinganmakki has been nominated as a Regular Member for the Highways Specifications & Standards Committee (HSS) for the tenure 2025-2027 vide IRC Office Memorandum No. IRC: 11(HSS)/20205-2027.

19th & 20th September 2025

Dept of Civil Engg participated in Phase shift 2025, a technical event. Dr. Jaya.R and Prof. Chiranth B were coordinators for phase shift.

19th September 2025

A Memorandum of Understanding (MoU) was signed between Dept of Civil Engineering, BMS College of Engineering and Road Vision AI Private Limited, New Delhi to foster key objectives of Training Students in Live Projects, Joint Research Initiatives, Knowledge Sharing Webinar, Co-development of Solutions, Knowledge Exchange and Capacity Building enhancing Industry-Academia Partnership. The MoU was coordinated by Prof. Jaya R. S and Prof. Chiranth Bore during the Phase Shift – 2025 event.



29th October 2025

Industrial Visit to Doddabelle Waste water treatment plant by UG V semester students accompanied by Dr. K Asha, Dr. Priya V and Dr. Nalina M M.



30th & 31st October 2025

Dr. Darshan C Sekhar was invited as a resource person at L & T C -TEA (Corporate Technology & Engineering Academy), Mysore.

1st November 2025

Dr. Manjunath R won the prize in expert category in National level competition, "Mix Design & cube test organised by Indian Concrete Institute & R D C concrete in association with S R M University, Chennai.



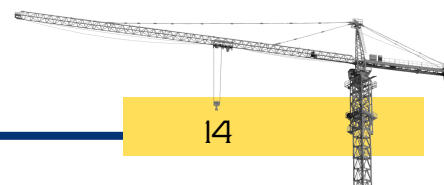
7th November 2025

Dr. Jaya R. Shinganmakki, Prof., Dept of Civil Engg received the Bihar PWD Medal for Best Paper on Research - "Sensitivity Analysis of HDM-4 Models for Developing Road Asset Management in India: A Case Study on Regional Calibration Approach" during the 84th Annual Session of the Indian Roads Congress (IRC) held at Bhubaneswar (Odisha).



7th - 10th November 2025

Dr. Jaya R. Shinganmakki received the Commendation Certificate for the R&D Paper "Use of Waste Plastic in Rural Roads under PMGSY" during the 84th Annual Session of the Indian Roads Congress (IRC) held at Bhubaneswar (Odisha).



11th November 2025

Dr. Darshan C Sekhar attended as a resource person at L & TC-TEA (Corporate Technology & Engineering Academy), Mysore for training program.

11th November 2025

Smt. Pushpalatha B attended one day Training program on VTU Consortium e-resources for 2025-26 at VTU Regional Centre, Bangalore.

14th November 2025

Dr. Darshan C Sekhar was invited as an expert for a Five-day Workshop on Building Planning, Testing and Execution at Cambridge Institute of Technology, Bangalore.

28th - 29th November 2025

Dr. Jaya R Shinganmakki organized a Road safety event – Painting competition for school children jointly collaborated by "Janakrosh" an NGO dedicated to promoting safety and awareness based in Nagpur, BMS NSS wing & BMS Civil Engg Dept. The event aims to educate children about road safety rules and practices. About 36 children of JSS KASTURIBA, WOMEN AND CHILDREN WELFARE CENTRE HIGHER PRIMARY SCHOOL, SIRSI ROAD, CHAMRAJPET, BENGALURU-560 018., participated in the event.

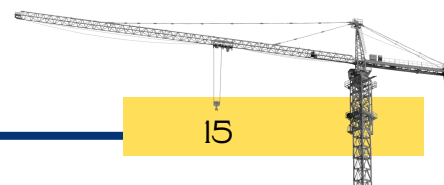
28th - 29th November 2025

NIRMAAN ISCE 2025, an International Symposium was organised by the Department of Civil Engineering. The event aimed to promote technical knowledge, innovation, and professional interaction among civil engineering students.

Participants from national and international institutions actively took part in the symposium.

A variety of technical events and design challenges were conducted. Several non-technical activities encouraged teamwork and leadership skills.

Cultural programs added vibrancy and fostered unity among participants.



28th November 2025

Mr. Syed Sufi Sikander submitted the full-length paper titled, "Development and performance evaluation of sustainable Controlled Low-Strength Material (CLSM) using industrial wastes" to SDMIMD in 10th International conference on Economic Growth and Sustainable Development: Emerging Trends held at Shri Dharmasthala Manjunatheswara Institute for Management Development, (SDMIMD), Mysore. Dr. Mangala Keshava, Associate Professor, Department of Civil Engineering, Dr. Varsha B N, Assistant Professor, Department of Civil Engineering, and Mrs. Chaitra E Research Scholar were the co-authors

5th - 7th December 2025

Team of evaluators visited Department of Civil Engg for NBA evaluation under GAPC4.0. Dr Sureka Naagesh , HOD , presented the profile and achievements of Department of Civil Engineering, the evaluation process was supported by all faculty members .

10th December 2025

Dr.Chethana R, Assistant Professor, Department of Civil Engineering has co authored a paper on "Optimizing Pavement Materials to Mitigate Urban Noise Impact" in Construction and Building Materials (Elsevier), 2025, Vol. 503, Article 144466 along with PG- students Omprakash Gurudev Holi and Nandish K. in Indexed on ScienceDirect. (Journal metrics — Impact Factor: 8.0; Quartile: Q1; H-index: 293).

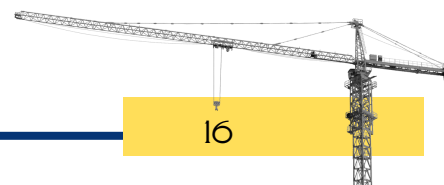
12th December 2025

Dr.Chethana R, Assistant Professor, Department of Civil Engineering has co authored a paper on "Optimizing Pavement Materials to Mitigate Urban Noise Impact" in Construction and Building Materials (Elsevier), 2025, Vol. 503, Article 144466 along with PG- students Omprakash Gurudev Holi and Nandish K. in Indexed on ScienceDirect. (Journal metrics — Impact Factor: 8.0; Quartile: Q1; H-index: 293).



17th December 2025

Dr. Chethana R, Assistant Professor, Department of Civil Engineering has co authored a paper on "Urban noise evaluation across different land-uses and pavements in Bengaluru City" in Environmental Science and Pollution Research (Springer Nature) along with PG- students omprakash Gurudev Holi and UG students Shalini M., Kiran Kumar N., Kifayat A. and Om Tiwari [Impact Factor (as on 2025): 5.59, Quartile: Q1, H-index: 212].



26th December 2025

The Department of Civil Engineering, , in association with IGBC organized an industrial visit to an Active construction site at Hoskote. This visit offered 3rd Sem UG students valuable first-hand exposure to basic construction materials, modern construction techniques, site management practices, and safety protocols followed in the industry along with Prof. Arjun, Prof. Prakash T B, Prof. Manjunath N K, Dr. A Sreenivasa Murthy, Dr. Geetha Kuntogi."



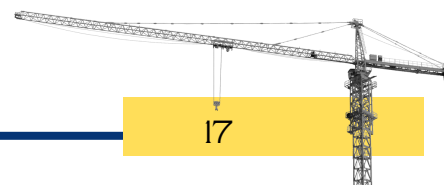
27th December 2025

Dr. Nalina M M, Assistant Professor, Department of Civil Engineering, successfully completed Six months AICTE Sponsored QIP - PG Certification program in "Artificial Intelligence" from IIIT - Vadodara at ICD, Diu Campus.



29th December 2025

Dr. Jaya R. Shinganmakki, Prof., Dept of Civil Engg has been nominated as Co-opted Member of the IRC Committee for "Accreditation of New Materials and Techniques" for the tenure 2025-27. Dr. Jaya R. Shinganmakki, Prof., Dept of Civil Engg has been nominated as Member of the Board of Studies (BoS) in Civil Engineering (UG(CV/MN) and PG Programmes) of Visvesvaraya Technological University, Belagavi for the period 2025- 2028.



NIRMAAN ISCE 2025

28th and 29th November

NIRMAAN has grown into a special platform where students showcase their creativity, technical skills, and teamwork. Over the years, many batches have contributed to its strong identity, and as we celebrate the 20th edition, I want to thank all those who helped shape its legacy.

As the Chief Faculty Coordinator, I've closely worked with the current organizing team, and it has been truly encouraging to see their enthusiasm and commitment. From planning sessions to on-ground coordination, their teamwork and ability to take responsibility confidently reflect how much they've grown through this journey.

The Civil Engineering Department at BMSCE has always supported student-driven initiatives, and our faculty continue to guide and mentor students as they develop leadership, collaboration, and organizational skills.

- Dr. Sreenivasa Murthy A



NIRMAAN ISCE 2024 Team:

Student Core:

Shivputra Arya
Rachitha R
Chiranthan H
Charan J
Chandana P
Shiva Prasad TN

Faculty Core:

Dr. Sreenivasa Murthy A
Dr. Manjunath S V
Prof. Manjunath N K
Prof. Deepak B C

NIRMAAN ISCE 2025

GALLERY

LOGO REVEAL



BANNER & MERCH



INAUGURATION



EVENT & CERTIFICATION



CULTURAL EVENING



Beyond the Classroom



KREEDOTSAV '25,
Boys Volleyball
@ BMSCE
RUNNER UP



SPARDHA '25,
Boys Volleyball
@ CMRIT
RUNNER UP

Our students continue to demonstrate excellence not only in academics but also in sports and extracurricular activities. The Boys Volleyball team proudly secured the Runner-Up position at KREEDOTSAV '25 hosted by BMSCE and Runner-Up at SPARDHA '25 hosted by CMRIT.

We especially congratulate **Prajwal R** (7th Sem) and **Vikas Ramangouda Patil** (7th Sem) for representing the department and contributing to these achievements. Their dedication, teamwork, and competitive spirit reflect the vibrant energy of our students beyond the classroom.

We wish them continued success and all the very best in their future endeavors.

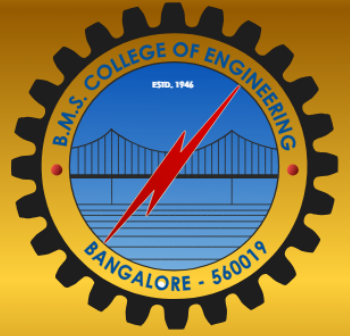


B.M.S COLLEGE OF ENGINEERING

(ESTD. 1946, Autonomous Institute, Affiliated to VTU)

(Accredited by NAAC with "A++" Grade, NBA - Tier I)

DEPARTMENT OF CIVIL ENGINEERING



Courses/Specializations:

1. UG
Civil Engineering
2. PG
Construction Technology
Environmental Engineering
Transportation Engineering
and Management
3. PhD

For More Details Contact:

Dr. Sureka Naagesh

Professor & Head, Department of Civil
Engineering

Email: hod.civ@bmsce.ac.in

Phone: +91 80 26622130-135

Upcoming Events

6th semester Civil Engineering students will be visiting Melukote for their Extensive Survey Project on 7th Jan, 2026. This trip will give them hands-on experience and a better understanding of fieldwork.

4th-semester Civil Engineering students will attend a specialized BIM workshop on 12th March to gain hands-on experience with industry-standard digital modeling tools.

As we present this edition of NIRMITI, it marks our final contribution as the editorial team in our 7th semester. It has been a rewarding journey of collaboration, creativity, and learning.

We sincerely thank all the students, faculty, and contributors whose support and efforts made every edition of NIRMITI possible.

To our juniors who will take this forward, we wish you the very best. May you continue the legacy of NIRMITI and lead it to even greater heights.

- EDITORIAL TEAM

Visit our website for visual tour of our campus

<https://www.bmsce.ac.in/>