JSS Mahavidyapeetha
JSS Science & Technology University
Sri Jayachamarajendra College of Engineering
Department of Environmental Engineering

ECO INSIGHTS

A Quarterly Magazine
Fourth Edition
(May - Aug 2026)

Inspired by Nature. For Climate. For Our Future

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From HoD's Desk

It gives me great pleasure to share a few reflections and updates from the Department of Environmental Engineering as we conclude another productive quarter. Environmental concerns remain at the forefront of global and local conversations. I am proud that our department remains steadfast in its commitment to education, research, and outreach that address these critical challenges. This quarter has seen significant progress in our academic and research endeavors. Our faculty members and students have actively contributed to projects focusing on sustainable waste management, air and water quality monitoring, and innovative treatment technologies. The department's emphasis on interdisciplinary collaboration has led to partnerships with industries and government bodies, reinforcing the practical relevance and impact of our work. We have also prioritized student engagement through workshops, field visits, and technical talks, aiming to provide holistic learning experiences beyond the classroom. It is heartening to witness our students' growing interest in environmental policy, climate action, and green innovation. As we look ahead, our focus remains on fostering a culture of environmental stewardship, nurturing research that supports circular economy models, and equipping our students to become responsible engineers and changemakers. I encourage everyone in our community to continue thinking critically, collaborating openly, and acting sustainably. Thank you for being a part of our journey. Let us keep moving forward together for a cleaner, greener future.

Dr. Sadashiva Murthy B M
Prof. & Head of the Department

Inspired by Nature.
For Climate. For Future.

Nature has been innovating for billions of years. A forest captures carbon, a wetland purifies water, a leaf transforms sunlight into energy, and ecosystems continuously recycle resources. Every organism has a role, every process is interconnected, and nothing exists without purpose. Long before sustainability became a global conversation, nature had already mastered its principles.

As our climate faces growing challenges, perhaps the solutions we need are not always waiting to be invented. Perhaps they are already around us, quietly demonstrating what is possible. Biomimicry encourages us to observe nature, understand how it solves problems and translate those lessons into human innovation. Buildings inspired by termite mounds can use natural ventilation to reduce energy consumption, while the remarkable strength of spider silk can inspire stronger and more sustainable materials. These examples show that some of our most promising solutions may begin simply by paying attention to the world around us.

Yet nature offers more than individual inventions—it offers a way of thinking. It teaches us that resilience comes from diversity, that resources can circulate rather than become waste, and that every system is connected. These principles can shape cities that work with their surroundings, technologies that use resources responsibly and economies designed around regeneration rather than depletion.

The future should not be about choosing between progress and the planet. It should be about redefining progress itself. When we design with nature rather than against it, innovation becomes a force for restoration, resilience and hope.

Nature has already written the blueprint. Our responsibility is to learn from it—and build a future worth inheriting.

Inspired by Nature. For Climate. For Future.

About the Magazine

The Environmental Engineering Department Magazine captures the essence of our department's academic and co-curricular journey. It showcases the achievements of students and faculty, departmental activities, events, projects, industrial visits and workshops conducted throughout the year. This magazine serves as a platform to highlight the vibrant student participation, innovative learning approaches, and the overall growth of our department. It reflects the collaborative spirit, dedication and enthusiasm that drive both students and staff. Every page is a testament to the continuos efforts made to enhance the learning environment and uphold the values of our department.

From Editorial Board’s Desk



It’s a privilege to start the Editorial Board in the Department of Environmental Engineering with a team of energetic students.

The magazine captures personal reflections of faculty and staff on teaching and research, as well as in-depth analyses of educational trends and specific topics. It keeps us informed about news, achievements, research, and teaching practices, and provides deeper insights into the work of faculty and students.

It also includes reflections on student engagement, faculty academic updates, and the impact of their research. Real-world examples of their work are presented, such as teaching strategies, innovative research projects, and impactful collaborations.

The academic insights serve as a platform for educational experts and professionals to share their thoughts on new-generation teaching practices and the evolving dynamics of the education domain.

We ensure that Academic Insights will help revolutionise and elevate the education system.

Parinitha T Niranjan
Assistant Professor
Faculty Coordinator
Department Editorial Board

Editorial Board Team



Nishitha Parvathi B M
7th Sem



Punith G Bhat
7th SEM



Vaishnavi VS
7th SEM



Amrutha M
5th Sem



Dhanya Bhat N U
5th Sem



Koushik M Hegde
5th Sem



Nisarga Hemanth
5th Sem



Prajwal M R
5th Sem



Rajath J S
5th Sem

About the Department

It started as an offshoot of Civil Engineering; a humble beginning was made in 1987 as Centre for Environmental Science and Technology (CEST) to promote and start a new programme in Environmental Engineering catering to the needs of the developing society. B.E. (Civil and Environmental Engineering) and M.Tech., (Environmental Engineering) with the financial support from CPHEEO, Ministry of Urban Development, Govt. of India, New Delhi were started under the umbrella of CEST. In he year 1993, the Govt. of Karnataka has accorded grant-in-aid status to the department and since then the Department of Environmental Engineering is working as a full-fledged academic and research department. Both Undergraduate and Postgraduate Programmes of Environmental Engineering have been accredited by National Board of Accreditation (NBA) of AICTE, New Delhi. The Department had started a cross disciplinary master's programme in Health Science and Water Engineering during 2009 which was an outcome of an international collaboration with Govt. of France.

Vision

To produce knowledgeable, skilled and committed Environmental Engineers with adequate input from humanities, science, engineering and technology to effectively tackle the challenging environmental problems of the contemporary world and to be the Centre of Excellence in Environmental Engineering Education, Research and Consultancy.

Mission

- To provide quality education through dynamic and up-dated curriculum, and conducive teaching – learning environment for students to excel in their career.
- To impart both soft and hard skills through state of the art infrastructural facilities.
- To create a pool of competent members of the faculty with commitment to involve in.
- Teaching, applied and inter disciplinary research, and consultancy.
- To establish a fair and transparent mechanism of assessment and evaluation to develop confidence amongst the stake holders.
- To build industry – institute symbiosis and to establish good rapport with alumni.

OUR WONDERFUL FACULTY



Dr. D Ravishankar
PhD
Professor of Practice

Dr. B. M. Krishna
PhD
Professor





Mr. B. P. Shivakumar
M. Tech., Environmental Engineering
Assistant Professor

Dr. Pushpa Tuppad
PhD
Professor & Dean (Academic)





Dr. Savitha U Ulavi
PhD
Assistant Professor



Dr. Thanushree M S
PhD
Assistant Professor



Ms. Sahana M
M.Tech., Environmental Engineering
Assistant Professor



Ms. Parinitha T Niranjan
M.Tech., Health Science and Water Engg
Assistant Professor



Dr. Vishishtta Nagaraj
PhD
Assistant Professor



Mr. Chandrashekar B
Assistant Professor
M.Tech., Environmental Engineering

Dr. Shivaprasad K S
PhD
Assistant Professor





Mr. Trishul A M
Assistant Professor
M.Tech., Environmental Engineering

Dr.Yashas S R
PhD
Assistant Professor



NON-TEACHING FACULTY



Mr. Narasimha
ITI
Instructor



Mrs. Hemalatha Prabhuswamy
B.E., M.Sc, M.Tech, (PhD)
Instructor



Mrs. Meenakshi D V
DEC
Instructor



Mr. Vinod Raj R
B.E.
Instructor



Mr. Parameshwarappa
PUC
Lab Helper



Mr. Nagamallappa S N
ITI
Lab Helper

ACHIEVEMENT BY THE FACULTY & STUDENT

- Dr. Savitha U Ulavi, Lead Co-ordinator, Sustainability Cell, JSSSTU, is identified as Co-ordinator for collaboration with Oizom Instruments Pvt. Ltd for AIR initiatives during May 2026.

- Dr. Savitha U. Ulavi, Mrs. Parinitha T Niranjan, Dr. Shivaprasad K S, Mr. Trishul A M, and Dr. Yashas S R were appointed as Faculty Trainers for Intel AI Course Dissemination to students of the Department of Environmental Engineering during May 2026.

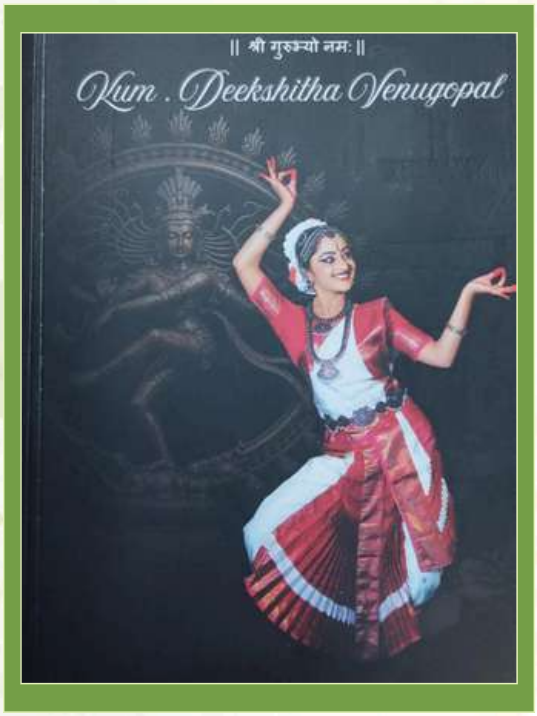
- The Edboard team of the department added a new set of students from the 4th semester: Amrutha M, Dhanya Bhat, Rajath J S, Prajwal M R, Nisarga Hemanth, Koushik M Hegde to involve in the Edboard activity.

- Dr. Sadashiva Murthy B M research work has been recognised as a top-viewed article during May 2026 under WILEY in “Journal of Geophysical Research: Atmospheres” for “Drivers of PM2.Tu5 Episodes and Exceedance in India: A synthesis from the COALESCE Networks”

- Dr. Pushpa Tuppad and Mr. Trishul A M represented JSSSTU in the Campus to Career (C2C) Summit 2026, organised in Hotel Lalit Ashok, Bengaluru on 15 th and 16 th of May 2026, jointly by the Ministry of Higher Education, Ministry of Medical Education and Skill development, Ministry of Rural Development, IT and BT, Karnataka State Higher Education Council and others



Team JSS AHER and JSS STU at C2C (Campus to Career) – Future Ready Universities and Colleges, 15-16 May 2026, The Lalit Ashok, Bengaluru



- Ms. Deekshiha V., 6th sem BE, under a dedicated disciple of Guru Vid. Mithra Naveen formally ascended the stage for her debut solo performance in “Bharathanatyam Rangapravesha” on 30th May 2026 at Jagannatha Centre for Art and Culture, Mysuru.



- Mr. Arjun C., Ms. Kusuma N., Ms. Kruthika M. K. and Mr. Rohan, 8th sem students, presented the project entitled “Waste Cooking Oil into Wealth” guided by Mr. Chandrashekar B., Assistant Professor, sponsored by IEI - SRPP series 2025-2026 on 30th May 2025 at The Institution of Engineers (India), Karnataka State Centre, Bengaluru

- Dr. Sadashiva Murthy B. M. participated as Chief Guest for the World Environment Day 2026 Celebration by District Administration, District Judicial Services Authority, Karnataka Pollution Control Board (Regional Office, Mysuru City and Rural), Department of Public Education, Karnataka State Open University (KSOU) and Madilu Education and Rural Development Society (R), Mysuru on 05th June 2026.



- The department students actively participated in the interdepartment annual athletics meet organized by the Department of Physical Education, SJCE, JSSSTU, Mysuru on 11 June 2026 and students won various prizes in different category:

1. Nishitha B M- Gold- Discuss throw
2. Manoj and Shreya- Silver- Mixed relay
3. Dhanya Bhat- Silver- 200 m and mixed relay
4. Koushik- Silver- 5000 m and Koushik- Bronze- 1500 m
5. Akhil- Silver- 200 m and mixed relay andAkhil- Bronze- 400 m
6. Nishitha, Sharanya and Nadi - Silver- Table Tennis
7. Dhanyatha R - Silver- Javelin Throw



- Dr. Savitha U. Ulavi was invited to conduct a one-day workshop on 'Climate Change- Key drivers, impacts, business risk assessment & adaptation strategies' by SDMIMD Mysore as part of their ongoing modular course "Evolving Business Landscape: Navigating AI, Climate Change, and Workforce Transformation." The workshop was conducted on 18-6-2026 for 240 participants (faculty and MBA students) by Dr. Savitha U. Ulavi.

- Sahana M reviewed a Manuscript entitled “Synergistic Treatment of Hospital Wastewater Using a Bio-Mineral Hybrid Coagulant: Process Optimization and Mechanistic Understanding” for Journal of Water, Air, & Soil Pollution, Springer Nature in June 2026.



- Department of Environmental Engineering received Research Excellence Award in DRC 2.0 conference held on 4th July 2026 organized by the Office of the Dean Research, JSSSTU, Mysuru, for publishing 10 papers in Scopus-indexed and 4 papers in WoS during 2024-25.



Research Excellence Award



- Mr. Nagamallappa S N, Helper, pursued a Diploma in Mechanical Engineering and secured the highest CGPA - 9.38 at CCTEK, CPC Polytechnic, Mysuru and the department felicitated him for the achievement on 03rd July 2026.



Department felicitated Mr. Nagamallappa S N





- Lakshmi J, a final year student, participated in the 18th Isha Gramotsavam Divisional level and secured 1st place in the throwball tournament conducted at Mysuru on 16th August 2026.

- Parinitha T Niranjan, Assistant Professor, participated in the Institution of Engineers, Mysore Sports Meet organised on 23rd August 2026 and secured 1st place in Dart, 1st place in lemon and spoon race and 2nd place in walk race.

AWARD OF PhDs IN THE DEPARTMENT

- Sahana M, Assistant Professor, submitted her PhD. Thesis entitled “Treatment of medium strength service industry wastewater using electro-chemical treatment and sludge analysis” under the guidance of Dr. B M Krishna, Professor, at JSS Science and Technology University, Mysuru, on 30th July 2026.

- Thanushree M. S., Assistant Professor, Department of Environmental Engineering, has been awarded the Doctor of Philosophy (PhD) degree under Visvesvaraya Technological University (VTU), Belagavi, for her research work on Hybrid treatment of textile industry Wastewater using Electrochemical coagulation, Upflow Anaerobic Sludge Blanket and Nano-adsorption Processes. Her Final Viva-Voce examination was successfully conducted on 25th August, 2026, marking a significant milestone in her doctoral research journey.



Thanushree M. S., Assistant Professor, Department of Environmental Engineering, has been awarded the Doctor of Philosophy (PhD) degree under Visvesvaraya Technological University (VTU), Belagavi

WORKSHOP / CONFERENCE / SEMINAR ATTENDED

- Mrs Thanushree M S, Mr. Chandrashekar, Mrs. Sahana M., Mrs Parinitha T Niranjan, Dr. Shivaprasad K. S., Mrs. Hemalatha Prabhuswamy and Pooja H. M. participated in a 3-day program on “Heartfulness Meditation for the Faculty” from 12th May 2026 to 14th May 2026 at the IS Seminar Hall, organised by ARPAN - JSS STU Social Responsibility Cell in association with IQAC, JSS STU.

- Thanushree M S, Sahana M, Parinitha T Niranjan, Chandrashekar B and Hemalatha Prabhuswamy, along with 2nd year students: Sharanya M H, Umaima Firdouse, Dhanya Bhat N U, Amrutha M, Prajwal M R and 3rd year students: Nishitha Parvathi B M, Poorvika K M, Thrupthi S, Moulya and Keerthana C, attended the “AI for Future Workshop” held on 25 & 26 May 2026 in IS Seminar Hall, JSSSTU, Mysuru.

- Dr. Shivaprasad K. S., Mrs. Hemalatha Prabhuswamy, Nishmitha K. S., and Pooja H. M. participated in the National AI Summit on Water organised by Bengaluru Water Supply and Sewerage Board (BWSSB) at Bengaluru on Wednesday, 27th May 2026.



- Mrs. Parinitha T Niranjan and Mrs. Hemalatha Prabhuswamy participated in the National Level Online Workshop on “AI-Assisted Research Writing & Publishing” organised by the Institute for Scholarly Research and Training, Chennai, on 28th May 2026.

- The Department faculty members: Dr. B M Krishna, Mr. B P Shivakumar, Mrs. Parinitha T Niranjan, Mr. Chandrashekar B and Dr. Yashas S R participated in the Clean-Up drive organised by NGO's - Rural Literacy & Health Programme (RLHP), Mysore, "Parisarakkaggi Navu" and Youth for Ecological Sustainability on 05th June 2026 in association with Mysore City Corporation and Forest Department by removing concrete/tiles around trees in SJCE College road.

- Dr. Sadashiva Murthy B. M. (as Chief Guest) and Department faculty (Mrs. Thanushree M. S., Mrs. Sahana M., Dr. Vishishtta Nagaraj, Dr. Shivaprasad K. S. and Mrs. Hemalatha Prabhuswamy) and students participated in the walkathon "ಪರಿಸರ ನಡಿಗೆ ಜಾಗೃತಿ ಜಾಥ 2026" organized in the eve of World Environment Day by District Administration, District Judicial Services Authority, Karnataka Pollution Control Board(Regional Office, Mysuru City and Rural), Department of Public Education, Karnataka State Open University (KSOU) and Madilu Education and Rural Development Society (R), Mysuru on 05th June 2026.



- Dr. Ravishankar D, Dr. Pushpa Tuppad and Mrs. Hemalatha Prabhuswamy participated in the International Yoga Day 2026 on 21st June 2026 in SJCE, Mysore.



- Dr. Sadashiva Murthy B. M. and Mrs. Hemalatha Prabhuswamy participated in the "International Conference (Online) on World Environment Day & World Ocean Day 2026 (Theme: “Sustainable ITK-Based Climate Action for a Green and Blue Planet”)” on 8th June 2026 organized by Amity Institute of Environmental Toxicology, Safety and Management(AIETSM), Amity University, Noida in association with the Ministry of Earth Sciences (MoES), Council of Scientific and Industrial Resaerch (CSIR), United Nations Environment programme (UNEP), National Environmental Science Academy (NESA), and VIBHA, on the occasion of Environment Day and Ocean Day 2026.

- Mrs. Hemalatha Prabhswamy attended the NDLI event on “Indian Knowledge Systems (IKS)” for STEMM Research & Innovation: Opportunities, Challenges and Future Directions on 17th July 2026.

- Dr. Sadashiva Murthy, Dr Pushpa Tuppad, Mrs. Thanushree M S, Mrs. Sahana M, Mrs. Parinitha T Niranjan, Mr. Chandrashekar B, Dr. Vishishtta Nagaraj, Mrs. Hemalatha Prabhswamy attended AIWC Water Talks Webinar Series on 23rd July 2026.

- Dr. B M Krishna, Mr. Chandrashekar B, Dr. Shivaprasad K S, Dr. Yashas S R and Research Scholars (Hemalatha D S, Supriya V, Karishma K and Pooja H M) attended the “User Awareness Programme” has been organised on 24th July 2026 by Department of library and information centre to familiarize the University community with the effective utilization of ACM Open Access Read & Publish, Knimbus, and Springer resources.

- Thanushree M S, Sahana M and Dr. Yashas S R attended the Workshop on “Introduction to Experiential Learning using Virtual Labs” organised by Office of Dean Academics, JSS Science and Technology University, Mysuru, in association with NITK Surathkal, held on 9th July 2026 from 10:30 AM to 1:00 pm at Software Lab 3 & 4, Department of Computer Science and Engineering, Golden Jubilee Bhavan, JSS STU.

- Dr. Sadashiva Murthy B M attended the BOS, Vidya Vardhaka College of Engineering, Mysore on 27th July 2026

- Pooja H M, Research Scholar, participated in the DRC 2.0 Conference held on 4th July 2026 organized by the Office of the Dean Research, JSSSTU, Mysuru, on a title presented: Treatment of Textile Wastewater using Electrocoagulation Process: A Review.

- Dr. Sadashiva Murthy B M attended the technical session on Gyproc Ceiling and Drywall System organised by Gyproc Saint-Gobain in association with Association of Consulting Civil Engineers (India), Mysore centre on 31st July 2026 at Hotel Pai Vista, Mysore



Dr. Sadashiva Murthy B M attended the technical session

- Dr. Pushpa Tuppad, Dr. Savitha U Ulavi and Dr. Yashas S R attended a 3-day workshop on “Designing High Performance Buildings for Net Zero” - a multi-format immersive learning programme, organised by Indian Institute of Urban Settlements, held at Hotel Pai Vista, Mysuru from 6th to 8th August 2026.

- Guest Lecture – Mrs. Hemalatha Prabhuswamy presented a talk on "Eco-Engineering Solutions: Balancing Ecosystem Preservation with Water & Soil Pollution Control" to First Year Diploma Students (No.=100), organised by the Department of Computer Science, JSS Polytechnic for Women, Mysuru on 27th August 2026.

- Dr. Sadashiva Murthy B. M., Dr. Pushpa Tuppad, Mrs. Sahana, Dr. Thanushree M. S., Dr. Vishishtta Nagaraj, Mrs. Hemalatha Prabhuswamy and department research scholars participated in the Australia India Water Center (AIWC) Water Talks Webinar Series on 13th August 2026 by Mr. Kris Kumaran on “Master Planner at Sydney Water” and “The Digital and Democratic Shift: Scientific Planning, Inclusivity, and E-Governance Convergence in Mukhyamantri Jal Swawlamban Abhiyan” by Ms Sushila Yadav.

- Invited Speaker – Dr. Pushpa Tuppad presented a talk on “From Trash to Climate Impact: Building a Future with Less Waste, Less Carbon”, in the FDP on Waste to Wealth: Modern Approaches to Waste Management, organised by P.E.S.C.E., Mandya, from 17th to 21st August 2026.

- Mr. Shivakumar BP, Mr. Chandrashekar B, and Dr. Yashas S R attended a 5-day FDP on “Artificial Intelligence, Machine Learning and Deep Learning: Concepts and Applications in Education, Healthcare, Robotics and Engineering”, organised by the E&ICT Academy, Indian Institute of Technology Guwahati, from 24th to 28th August, 2026 at JSS Science and Technology University, Mysuru.

- Dr. Shivaprasad K S, Assistant Professor, attended a 10-day 3rd Master Trainer Development Programme on Comprehensive Disaster Risk Management organised by the National Institute of Disaster Management, Ministry of Home Affairs, Government of India, at NIDM South Campus, Vijayawada, from 10th August to 21st August, 2026.



Dr. Shivaprasad K S, Assistant Professor, attended a 10-day 3rd Master Trainer Development Programme

MEMORANDUM OF UNDERSTANDING SIGNED

- JMS Biotech Pvt. Ltd., Bengaluru, has an MOU with JSSSTU through the Department of Environmental Engineering.



- Bisleri International Pvt. Ltd, Bengaluru has extended the MoU with JSSSTU for the next 3 years through the Department of Environmental Engineering.



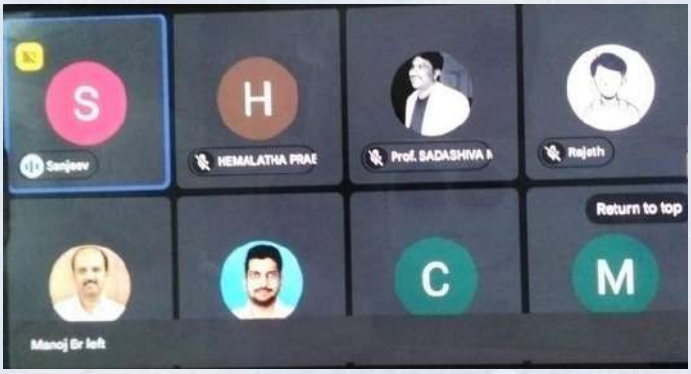
Departmental activities organised

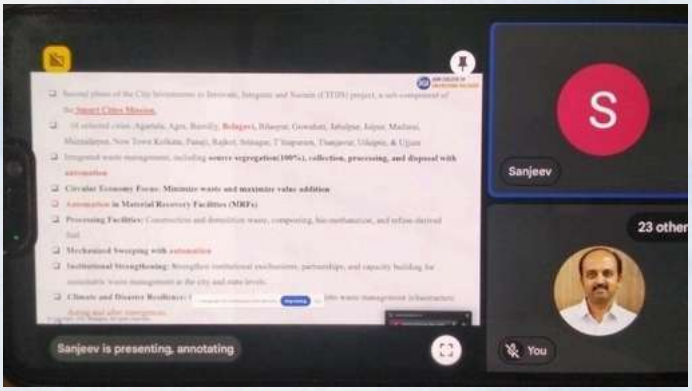
- The Young Alumni Meet 4.0 was organised by Team Persona Plus in association with the Training and Placement Cell of JSS Science and Technology University on 16th May 2026. The session featured distinguished alumni from the Department of Environmental Engineering, including Ms. Likitha M. P. (2019 & 2021 batch), currently working at the Environmental Management and Policy Research Institute (EMPRI), Government of Karnataka; Mr. Udaya Kumar (2023 batch), presently serving as Project Manager for South India at Aurasure; Mr. Sai Chirag (2023 batch), currently working at JLL as an Analyst in Data and Sustainability Reporting; and Mr. Vishnu (2025 batch), currently working as a Sustainability Analyst at Enviguide Techno Solutions Pvt. Ltd. with experience in sustainability consulting, carbon accounting, and life cycle assessment.



- The Department of Environmental Engineering organised the 13th Alumni Webinar Series on “AI initiatives in Waste Management in smart cities” by Dr. Sanjeev Sangami, Professor & Dean ICE, Department of Civil Engineering, Jain College of Engineering, Belagavi, on 30.05.2026 from 3.30 pm- 4.30 pm through Google Meet.







13th Alumni Webinar series

- The Department of Environmental Engineering organised a one-day workshop on AI for Sustainability on 4th June 2026, and resource persons involved in the workshop were: Dr. Savitha U Ulavi, Parinitha T Niranjan, Dr. Shivaprasad K S, Trishul A M, and Dr. Yashas S R from the Department of Environmental Engineering.

- The World Environment Day 2026 celebration was organised by the Department of Environmental Engineering, SJCE, JSS Science and Technology University, in association with the Institution of Engineers, Mysore Local Chapter, Mysuru, The Indian Water Works Association (IWWA), Mysuru Centre, and Karnataka Urban Water Supply & Drainage Board, Mysuru on 8th June 2026 at S P Bhat Hall, IEI Mysore Local Centre, Mysuru.


ಕನ್ನಡಪ್ರಭ

ಪ್ರತಿಯೊಬ್ಬ ವ್ಯಕ್ತಿಯೂ ಪರಿಸರಸ್ನೇಹಿ ಚಟುವಟಿಕೆಗಳನ್ನು ಅನುಸರಿಸಬೇಕು

ಎಸ್ ಜೆಸಿಇ ಪರಿಸರ ಎಂಜಿನಿಯರಿಂಗ್ ಪ್ರಾಧ್ಯಾಪಕ ಡಿ.ರವಿಶಂಕರ್

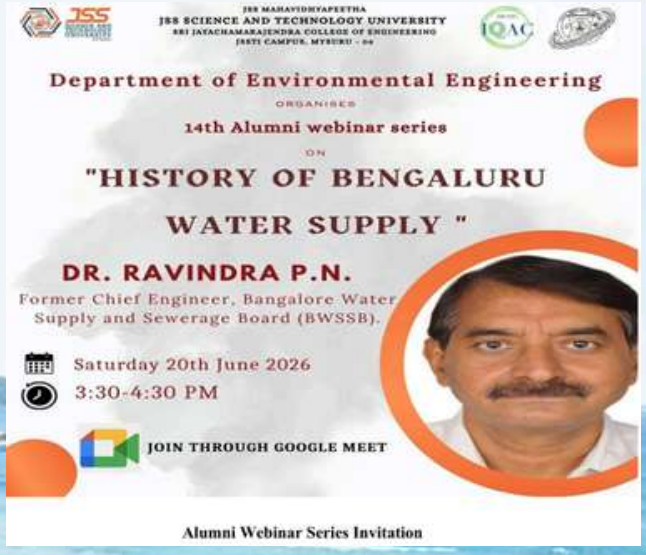

ಉದಯವಾಣಿ

'ಪರಿಸರ ದಿನಾಚರಣೆ ನಿತ್ಯ ಜವಾಬ್ದಾರಿಯಾಗಲಿ'

ವಿಶ್ವ ಪರಿಸರ ದಿನಾಚರಣೆ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಪರಿಸರ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ.ಡಿ.ರವಿಶಂಕರ್

- The Department of Environmental Engineering organised the 14th Alumni Webinar Series on “History of Bengaluru Water Supply” by Dr. Ravindra P N, Former Chief Engineer, BWSSB, on 20.06.2026 from 3.30 pm- 4.30 pm through Google Meet.





14th Alumni Webinar Series

- Five-day Refresher Course titled "Advanced Training Course for Used Water Management (C-26)" under Course Code: UWM/B14, scheduled from 06–10 July 2026. The program focuses on "Automation and Application of IoT and SCADA Systems in Project Monitoring Including Online Monitoring of STP Effluents Using Real-Time Data Systems," sponsored by the PHE Sector Development Scheme of CPHEEO, Ministry of Housing & Urban Affairs, Government of India. The Course Co-ordinator was Dr. Vishishtta Nagaraj, Assistant Professor.



CPHEEO Five-day Refresher Course

- A Workshop on “Introduction to Experiential Learning using Virtual Labs” was organized by Dr. Pushpa Tuppad, Professor, Office of Dean Academics, JSS Science and Technology University, Mysuru, in association with NITK Surathkal, held on 9th July 2026 from 10:30 AM to 1:00 pm atSoftware Lab 3 & 4, Department of Computer Science and Engineering, Golden Jubilee Bhavan, JSS STU, under the Ministry of Education, Government of India initiative.



Participants of the workshop, ‘Introduction to Experiential Learning using Virtual Labs’, 9th July 2026

- The Department of Environmental Engineering organised the 15th Alumni Webinar Series on “India’s Water Supply sector: Evolution, Challenges, Innovations and Career opportunities for Engineers” by Bramishtan Muraleedharan, Manager (Water Resource), McD BERL, India, on 01.08.2026 from 3.30 pm- 4.30 pm through Google Meet.



15th Alumni Webinar invitation

- The Department of Environmental Engineering organised the Department's 1st-year Induction Programme on 28th August 2026 for students and their parents in the Department Seminar Hall at 3.00 pm.



- The Department of Environmental Engineering organised the 16th Alumni Webinar Series on “Industry readiness” by Keerthi D Souza, Founder & Managing Director, LGS Assurance Pvt. Ltd. on 31.08.2026 from 3.30 pm- 4.30 pm through Google Meet.





16th Alumni Webinar Series

COMPLETION OF ONLINE COURSE BY THE FACULTY

- Parinitha T Niranjan completed an 8-week NPTEL Online Certification course on “Environmental Planning and Management” during Feb- Apr 2026, organised by IIT, Roorkee, and secured 86% with Elite+ Silver Certification.

- Parinitha T Niranjan completed an 8-week NPTEL Online Certification course on “Disaster Recovery and Build Back Better” during Feb- Apr 2026, organised by IIT, Roorkee, and secured 85% with Elite+ Silver Certification.

- Dr. Vishishtta Nagaraj and Mrs. Hemalatha Prabhuswamy completed a 12-week NPTEL online course on “Climate Risk, Adaptation and Sustainable Development” offered by IIT, Kharagpur, securing 77% and 88% respectively with ELITE+SILVER Certification from Jan to April 2026.

- Dr. Pushpa Tuppad, Dr. Thanushree M S, Dr. Savitha U Ulavi, Ms. Sahana M, Ms. Parinitha T Niranjan, Dr. Vishishtta Nagaraj, Mr. Chandrashekar B, Ms. Hemalatha Prabhuswamy attended a 5-day training program – “IGBC Green League – Reform, Perform & Transform, 11th Edition IGBC Green League (IGL), Phase II: Digital Platform, organised by the CII-IGBC from 17th to 21st August 2026.

CONSULTANCY ACTIVITIES CARRIED OUT BY THE DEPARTMENT

- Department team (Dr. Sadashiva Murthy B M, Dr. D Ravishankar and Mrs. Hemalatha Prabhuswamy) along with Mr. Pradeep RE (Civil) visited Sewage Treatment Plants (STPs) at GSSS Institutions Campus, BG Stones Badanaguppe and KWS&DB STP at Golur, Nanjangud on 15th July 2026 to familiarise with the operational efficiency of various treatment methods adopted in respective sites.





- A team from JSS Science and Technology University / JSS Consultants visited M/s Shamanur Sugars Pvt. Ltd., Davangere on 28th July 2026 for a reconnaissance survey, discussions with industry officials, and collection of field information required for preparation of the Irrigation Management Plan. The team comprised Joint Director, Technical Education Division, JSS MVP; Chief Executive, JSS Consultants, JSS TI Campus, JSS STU; Dr. Sadashiva Murthy B M, Professor & Head, Department of Environmental Engineering, SJCE, JSS STU; and Dr. Shivaprasad K S, Assistant Professor along with the leadership team of M/s Shamanur Sugars Pvt. Ltd.



PROJECT PROPOSALS SUBMITTED TO THE FUNDING AGENCY.

- The project titled “Assessment of Compost Off-take Challenges in Ten Cities and Development of Strategic Measures to Enhance Compost Utilization” has been submitted to the Ministry of Housing and Urban Affairs, CPHEEO, New Delhi for funding by Dr. Shivaprasad K S, Assistant Professor as Principal Investigator and Dr. Thanushree M S, Assistant Professor as Co-Principal Investigator.

- The project titled “Development of Biodegradable Plastic Alternatives from Locally Available Biomass Performance, Energy, Economic and Reuse” has been submitted to the Ministry of Housing and Urban Affairs, CPHEEO, New Delhi for funding by Dr. Vishishtta Nagaraj (PI) and Parinitha T Niranjan (Co-PI).

- The project titled “CLIM-ELECTRO STP: Renewable-Energy-Orchestrated Modular Electrochemical Retrofit for Climate-Resilient Decentralized Sewage Treatment Plants and Assured On-Site Water Reuse” has been submitted to the Ministry of Housing and Urban Affairs, CPHEEO, New Delhi for funding by Dr. Shivaprasad K S, Assistant Professor, as Principal Investigator and Dr. C S Karthik, Associate Professor, as Co-Principal Investigator.

- The project titled “Grey water treatment system” has been submitted to the Ministry of Housing and Urban Affairs, CPHEEO, New Delhi for funding by Dr. Yashas S R (PI) and Mr. Shivakumar B P (Co-PI).

- The project titled “Decentralised Wastewater Treatment in Urban India: A Comparative Techno-Economic Assessment of Treatment Techniques adopted in STPs of Mysuru and Bengaluru and Strategies for Scalable Adoption” has been submitted to the Ministry of Housing and Urban Affairs, CPHEEO, New Delhi for funding by Mrs. Hemalatha Prabhusewamy (PI) and Mr. Niranjan (Co-PI).

- The project titled “Study on Quantification of Sources of Air Pollution in Six Selected Cities of Karnataka and Suggested Measures to Mitigate Pollution Based on National and International Best Practices” has been submitted to the Ministry of Housing and Urban Affairs, CPHEEO, New Delhi for funding by Dr. B M Krishna (PI) and Mrs. Sahana M (Co-PI).

- The project titled “Study in 10 Cities on Challenges in Off - take of Compost and Suggested Measures to Promote its Off - take” has been submitted to the Ministry of Housing and Urban Affairs, CPHEEO, New Delhi for funding by Dr. B M Krishna (PI) and Mrs. Sahana M (Co-PI).

- The project titled “Integrated Microbiological, Physicochemical and Molecular Assessment of Water Quality in Selected Rural Areas with Special Reference to Cattle-Associated Faecal Contamination” has been submitted to the Ministry of Housing and Urban Affairs, CPHEEO, New Delhi for funding by (PI) and (Co-PI).

- The project titled “Assessment of Decentralised STPs in Apartments and Bulk Waste Generators” has been submitted to the Ministry of Housing and Urban Affairs, CPHEEO, New Delhi for funding by Dr. Vishishtta Nagaraj (PI) and Dr. Thanushree M S (Co-PI).

- The project titled “Integrated Assessment of MSW-Related Air Pollution in Karnataka Urban Centres: Emission Inventory, Source Apportionment and Dispersion Modelling” has been submitted to the Ministry of Housing and Urban Affairs, CPHEEO, New Delhi for funding by (PI) and (Co-PI).

FACULTY INTERACTION OUTSIDE CAMPUS

- Industrial visit organised on 21.05.2026 for 6th semester students to TK Halli WTP and STP Kengeri. It was coordinated by Mr. B P Shivakumar, Dr. Vishishtta Nagaraj, Mr. Trishul A M. As part of the Environmental Engineering curriculum to provide practical exposure to water and wastewater treatment processes, an industrial visit was organised. The visit included two important facilities in Bengaluru: the T.K. Halli Water Treatment Plant and the Kengeri Sewage Treatment Plant. The objective of the visit was to understand the treatment technologies, operational procedures, and management practices involved in supplying safe drinking water and treating wastewater before its discharge into the environment



T K HALLI WTP



Kengeri SWTP

- The Department actively participated in the Open Day 2026 organised on 6th June 2026 and department showcased live projects, demo, activity, quiz for students and enlighten about the department activities and alumni members.



- Department of Environmental Engineering, along with the association of Department of Polymer Science & Technology, conducted a Training Session on "Fundamentals of Water Technology" at Triton Valves Pvt. Ltd., Mysuru on 22nd July 2026. The trainers were: Mr. Shivakumar B P, Mrs. Thanushree M S, Dr. Vishishtta Nagaraj, Dr. Shivaprasad K S and Mrs. Hemalatha Prabhuswamy, and the co-ordinator for the training program was Dr. Roopa S, Professor & Head, Department of Polymer Science and Technology.

- Dr. Savitha U Ulavi and Dr. Yashas S.R, along with Dean QAA and Associate Dean Research, JSSSTU, attended the Sustainability Exposure Visit organised by Infosys in association with Confederation of Indian Industry (CII) on 24th July 2026 at Infosys Campus, Mysore.

- Dr. D. Ravishankar, Professor of Practice, was invited to deliver a technical talk on "Conservation of Natural Resources: Challenges, Technologies and Solutions" on 25th July 2026 at JSS Women's College, Mysuru.

- Dr. Savitha U Ulavi was invited to deliver a workshop on 'ESG and Climate Risk Assessment in Evolving Business Landscape' at SDMIMD on 18th July 2026. The title of the news article published is “ESG Careers Witness Unprecedented Growth, Says Environmental Expert” by Dr. Savitha U Ulavi.



Business Standard

Campus talk

BS Marketing Initiative

ESG Careers Witness Unprecedented Growth, Says Environmental Expert

The sustainability and ESG (Environmental, Social, and Governance) sector is witnessing a significant rise in career opportunities across industries, according to Dr. Savitha U. Ulavi, Environmental Engineer and faculty member at JSS Science and Technology University.

Speaking during an interaction with management students at SDM Institute for Management Development, Dr. Ulavi noted that sustainability-related roles have expanded rapidly in recent years. She highlighted positions such as ESG Analyst, Sustainability Reporting Manager, and Environmental Consultant as examples of emerging career pathways.

"What is happening today is something I have not seen in the last 15 years," she said, referring to the increasing demand for sustainability professionals. According to her, opportunities are no longer limited to environmental engineers. Professionals from management, finance, mechanical engineering, electrical engineering, and other disciplines can contribute to sustainability initiatives within organizations.

She emphasized that businesses are increasingly integrating sustainability into strategic decision-making due to regulatory requirements, stakeholder expectations, and climate-related risks. As a result, organizations are seeking professionals who can combine business understanding with environmental awareness.

Dr. Ulavi encouraged students to explore ESG-related skills and participate in sustainability-driven initiatives, describing the field as one of the fastest-growing areas for future careers.

Campus Reporter: Krupa Shetty

- The Stage 1 Audit for ISO 9001:2015 (Quality Management Systems) and ISO 21001:2018 (Educational Organizations Management Systems) was conducted on 3rd and 4th August 2026. As part of the audit, Sri T. K. Srivatsan, the auditor, visited the Department of Environmental Engineering and reviewed the department’s relevant documents, records, processes, and practices. The visit focused on assessing the department's preparedness for the subsequent stages of ISO certification and verifying the implementation of the requirements of the respective standards.



- · The Civil and Environmental Testing Laboratory, SJCE, JSS Science and Technology University, Mysuru, is undergoing NABL accreditation, and the Assessment was on 20th and 21st August 2026.





NABL accreditation visit to the department

- Dr. Ravishankar D, Professor of Practice and Dr. Shivaprasad K S, Assistant Professor, visited Nidashoshi Matt near Belgavi to know about the ongoing best practices in Municipal Solid Waste Management at their campus.



DEPARTMENT OF ENVIRONMENTAL ENGINEERING

SCAN TO FOLLOW US ON INSTAGRAM

