



*JSS Mahavidyapeetha
JSS Science & Technology University
Sri Jayachamarajendra College of Engineering*



Department of Environmental Engineering

ECO EXPRESS

A Quarterly Magazine

Sep - Dec 2025





LIFE AND GROWTH

WITH TREES AND PLANTS

Why We Chose the "life and growth" Theme

The theme of "life and growth with trees and plants" is chosen due to its powerful symbolism and tangible, positive impacts on physical, mental, and environmental well-being.

Trees and plants serve as a potent metaphor for life's journey and interconnectedness across many cultures and philosophical traditions.

The journey from a tiny seed to a towering, resilient tree mirrors personal development, an increase in knowledge, and the ability to weather life's challenges.

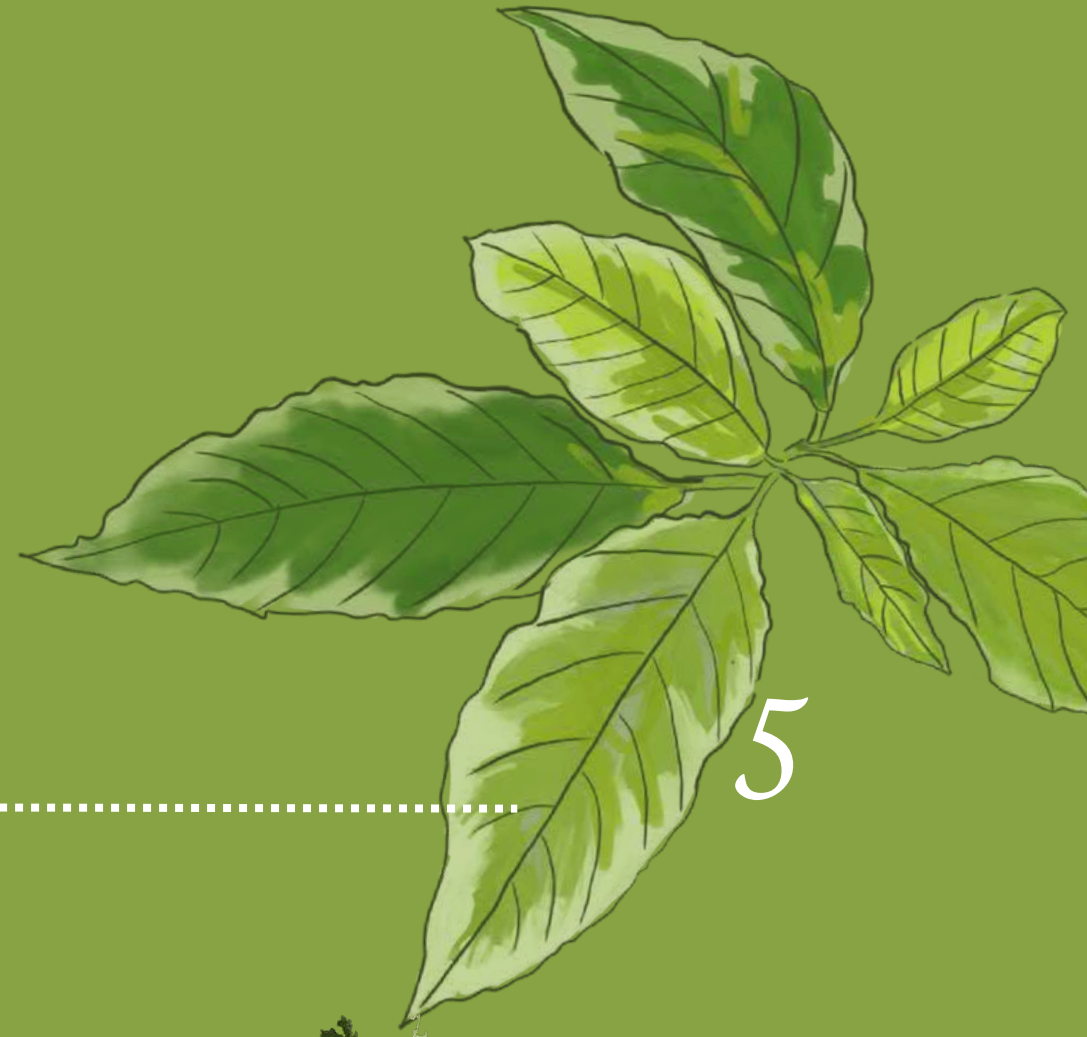
A tree's expansive root system and wide-reaching branches symbolize the connection between the earth and sky, and the interdependence of all living things within an ecosystem.

In many traditions, the seasonal cycle of shedding leaves in winter and sprouting new growth in spring represents rebirth, fresh starts, and the continuation of life.

Trees are often ancient and enduring, serving as symbols of wisdom, spiritual awakening, and historical markers in communities.



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From HOD's Desk



*Dr. Sadashiva Murthy B.M.
Professor & Head of the Department*

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.
Head of the 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 Niranjana
Faculty Coordinator
Editorial Board*

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 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 continuous efforts made to enhance the learning environment and uphold the values of our department.

Editorial Board Team



Advika Nayana Ittira
7th SEM



Siya P Dileep
7th SEM



Preetham K
7th SEM



Punith G Bhat
5th SEM

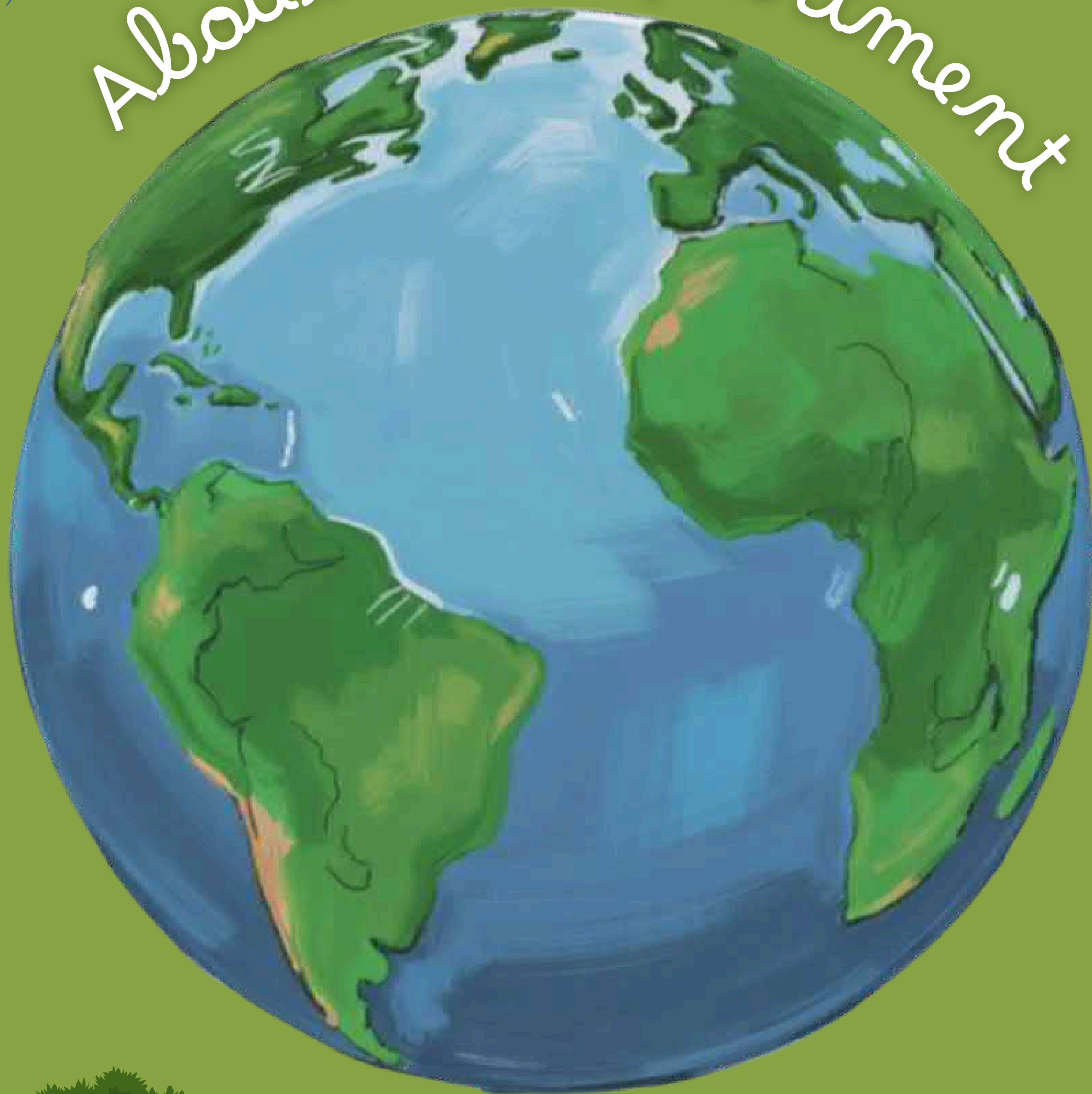


Vaishnavi VS
5th SEM



Nishitha Parvathi BM
5th SEM

About the Department



About the Department

The Department of Environmental Engineering began as an offshoot of Civil Engineering. A humble beginning was made in 1987 as the Centre for Environmental Science and Technology (CEST) to promote and start a new program in Environmental Engineering, catering to the needs of the developing society.

The B.E. (Civil and Environmental Engineering) and M.Tech. (Environmental Engineering) programs were initiated with financial support from CPHEEO, Ministry of Urban Development, Government of India, New Delhi, under the umbrella of CEST.

In 1993, the Government of Karnataka accorded grant-in-aid status to the department, which has since functioned as a full-fledged academic and research unit. Both the undergraduate and postgraduate programs in Environmental Engineering have been accredited by the National Board of Accreditation (NBA), AICTE, New Delhi.

In 2009, the department introduced a cross-disciplinary master's program in Health Science and Water Engineering as a result of international collaboration with the Government 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

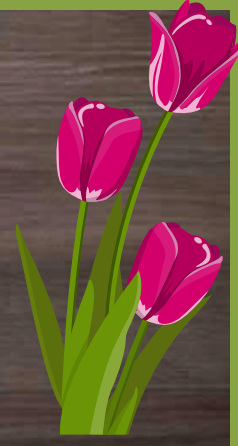
Mission

- 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. Ravishankar D
Ph. D.
Professor of Practice



Dr. D. Istalingamurthy
Ph. D
Professor



Dr. B. M. Krishna
Ph. D
Professor



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



Dr. Pushpa Tuppad
Ph. D
Professor & Dean (Academic) i/c



Our Wonderful Faculty



Dr. Savitha U Ulavi
Ph. D
Assistant Professor

Ms. Thanushree M S
M.Tech., Environmental Engineering
Assistant Professor



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

Ms. Parinitha T Niranjana
M.Tech., Health Science and Water
Engineering
Assistant Professor



Dr. Vishishtta Nagaraj
Ph. D
Assistant Professor

Our Wonderful Faculty



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

Dr. Shivaprasad K S
M.Tech., Environmental Engineering
Assistant Professor



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

Dr. Yashas S R
Ph. D.
Assistant Professor



Non-Teaching Staff



Mr. Narasimha
ITI
Instructor



Mrs. Hemalatha Prabhuswamy
B.E., M.Sc, M.Tech
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



Events/ Activities Organized

(Workshops, Conferences, Seminars, Invited Talks)

- A continuous Ambient Air Quality Monitoring event, which was undertaken on our campus from 04.09.2025 to 06.09.2025, in association with the Karnataka State Pollution Control Board (KSPCB), Bengaluru.
- An Orientation Programme for 1st year students on 27.09.2025 in the department seminar hall.
- The 5th Alumni Webinar Series was conducted on the title “Nature-Based Solutions for Water Circularity” by Ms. Rohini Pradeep, Senior Program Manager, Head of Laboratory, CDD, Bengaluru, on 27.09.2025.
- In view of Suvarna Mahosthva of Karnataka State Pollution Control Board (KSPCB), Mysuru Rural and Urban, in association with the Department of Environmental Engineering, organised a cleanup drive and an awareness session at Mysuru Dasara Exhibition grounds on 10.10.2025 at 10.00 am, followed by an Industrial visit to MYMUL.
- The 6th Alumni Webinar Series was conducted on the title “Role of Environmental Engineers in MCC” by Mr. Madhukar M, Assistant Executive Engineer (Environment), MCC, Mysuru, on 25.10.2025.
- The Industrial visit had been organised for the 5th and 7th semester students along with Mr. Shivaprasad K S, Dr. Vishishtta Nagaraj, Dr. Yashas S R and Mr. Vinod on 18.11.2025 to Solid Waste Management Units (Rayankere, Vidyaranyapuram, Kumbar Koppal and Jagruth).
- The 7th Alumni Webinar Series was conducted on the title “Wastewater Treatment for Industries: Case Studies” by Chinmay Delampady, Co-founder & Director, Aapaavani Environmental Solutions Pvt Ltd, on 22.11.2025.



Events/ Activities Organized (Workshops, Conferences, Seminars, Invited Talks)

- A Career Guidance Program from Career Launcher, Mysuru, organised on 24.11.2025 for 5th-semester UG students by Mrs. Geetha R. Shah, Manager – Business Development, Career Launcher, Mysuru.
- Department of Environmental Engineering participated in Constitution Day 2025 on 26.11.2025 along with 3rd-semester students by taking an oath towards the nation.
- A technical talk was organised on Live GeoSolutions: smart Monitoring and Management using Web and Mobile GIS on 29.11.2025 by Mr Venugopal T V, Founder and CEO of InfraTech, Bangalore. Dr. Pushpa Tuppada was the coordinator for the event.
- The National Pollution Control Day Quiz was conducted on Environmental Pollution for all branches' students on 26.12.2025 in IS/CS Seminar Hall.
- The 8th Alumni Webinar Series was conducted on the title “Whether 24*7 Water Supply is possible in India? A case study in Karnataka” by Dr. K P Jayaramu, Individual Consultant and Task Manager for ADB-assisted WS and Sanitation projects in KUIDFC on 27.12.2025.

Events/ Activities Attended

(Workshops, Conferences, Seminars, Invited Talks)

- Ms. Sahana M and Dr. Vishishtta Nagaraj attended the “Women Wellness Program” on 02.09.2025, organized by the Department of Computer Science and Engineering in association with IQAC, JSSSTU, Mysuru.
- Mrs. Thanushree M S and Mr. Shivaprasad K S attended AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Smart Cities and Sustainable Mobility: Civil Engineering Innovations for Future Urban Development”, organized by Sankalchand Patel College of Engineering, Visnagar, from 08th to 13th September, 2025.
- Dr.Yashas S R attended a 3-day workshop on “Empowering Teachers as Mental Health Facilitators” organized by JSS Polytechnic for the Differently Abled from 27th to 29th October, 2025.
- Mrs. Hemalatha Prabhuswamy, Mr. Vinod Raj R., and Mrs. Meenakshi D. V., Instructors attended a technical talk on "How to Secure Computers and Networks from Threats" on 28.10.2025, organized by the Department of Computer Science and Engineering as a part of the "Cyber Awareness Month" in the IS/CS Seminar Hall, Golden Jubilee Bhavan, JSS STU, Mysore.
- Mrs. Thanushree M S, Mrs. Sahana M, Mrs. Parinitha T Niranjana, Mr. Chandrashekar B and Mrs. Hemalatha Prabhuswamy and research scholars attended International Conference on "Heat and Heatwave Trends and Their Health Implications in the Global South" jointly organized by JSS Science and Technology University, Mysuru, India, Center for Science & Technology of the Non- Aligned & Other Developing Countries, New Delhi, India and Scientific Committee on Problems of the Environment, The Netherlands, held at JSS Science and Technology University, Mysuru from 6th – 7th November 2025.

Events/ Activities Attended

(Workshops, Conferences, Seminars, Invited Talks)

- Mrs. Thanushree M S, Mrs. Sahana M and Dr. Vishishtta Nagaraj attended the 12 Days (Online) Interdisciplinary Refresher Course on Environmental Studies organised by UGC-Malaviya Mission Teacher Training Centre (UGC-MMTTC), Central University of Kerala, from 06th – 19th November 2025.
- Mrs. Hemalatha Prabhuswamy participated in a Hands-on session (Offline) on "Empowering Research with AI Tools" by Dr. Rekha K. S., Professor, Department of CSE, SJCE, JSS STU, Mysuru and an Online workshop on "Research Visibility and Impact: A Guide to Citation Databases, H-Index Analysis and effective publishing" by Dr. Ganesh R. Naik, Professor, Torrens University, Australia, on 20th November 2025, organised as part of National Library Week 2025 by the Library & Information Centre, SJCE, JSS STU, Mysuru.
- Dr. Vishishtta Nagaraj, Mr. Shivaprasad K S and Mrs. Hemalatha Prabhuswamy participated in "Kannada Quiz Competition" organised by Editorial Board, SJCE, JSS STU, Mysuru on 22nd November 2025.
- Dr. Vishishtta Nagaraj, IRCS Coordinator, along with 3rd-semester students- Prajwal, Pranav, Rajath and 7th-semester student Deepa Pawar attended the Youth Red Cross camp at Mandya held on 24th – 26th November 2025.
- Mr. Chandrashekar B and Mrs. Hemalatha Prabhuswamy participated in the Invited Talk on "Expanding Horizons: Higher Education, Research Funding and International Academic Careers" by the German Consulates on 28.11.2025, organised by the Department of Computer Science & Engineering, SJCE, JSS STU.

Events/ Activities Attended

(Workshops, Conferences, Seminars, Invited Talks)

- Mr. Chandrashekar B, Dr. Shivaprasad K S, Mr. Trishul A M, Dr. Yashas, Mr. Narasimha, Meenakshi D. V., Mr. Vinod Raj R. and Hemalatha Prabhuswamy participated in a one-day workshop on "Legal Awareness towards the POSH" on 12.12.2025, organised by the Internal Complaints Committee, JSSSTU at IS Seminar Hall, JSS STU, Mysore.
- Dr. Pushpa Tuppad, Dr. Savitha U Ulavi, Hemalatha Prabhuswamy and Vinod Raj R attended the one-day Orientation Session on NABL Accreditation organised by the JSSSTU on 18.12.2025 at SJCE Board Room.
- Parinitha T Niranjana, Assistant Professor, attended "Usage of Researgence by faculty" on 19.12.2025, organised by Dean Research, JSSSTU, Mysuru.
- Parinitha T Niranjana, Mr. Chandrashekar B, Dr. Shivaprasad K S and Dr. Yashas, Assistant Professor, attended the workshop on "Effective use of LINKEDIN for Academic and Professional Engagement" on 22.12.2025 organized by Dean Academics and Dean Science, JSSSTU, Mysuru.



ACHIEVEMENT BY THE FACULTY, STAFF & STUDENTS

- Mrs. Parinitha T Niranjana (Lead coordinator), Mr. Trishul A M, and Dr. Yashas have been coordinators for the Student Induction Programme 2025, organised by the university from 15.09.2025 to 26.09.2025 for the First year students.
- Mrs. Hemalatha Prabhuswamy, as a resource person for a technical talk delivered on "Plastic Waste Management" as part of NSS Day celebration held on 24.09.2025 at JSS Polytechnic for the Differently Abled, Mysuru.
- The Department of Environmental Engineering faculty and Research scholars visited Scheveran Cleanfix Pvt. Ltd. on 26.09.2025.
- Dr. Sadashiva Murthy B M, Professor & Head, was elected to The Institution of Engineer State Committee 2025-27 from the Environment Division as a member, Karnataka State centre.
- Dr. Savitha U Ulavi, Assistant Professor, along with Dr. Chandresh, Assistant Professor, Department of PST, was granted seed money for project on 18.10.2025 on the title "Design and Development of Scalable Prototype of Treating Micro plastics Released from Laundry Effluents".
- At the ceremony of the Suvarna Mahosthva of Karnataka State Pollution Control Board (KSPCB), GoK held on 27.10.2025, the Department of Environmental Engineering, SJCE, JSSSTU, Mysuru was conferred with the INDIRA PRIYADARSHINI AWARD for the services rendered to society and the Environment.
- Dr. Savitha U. Ulavi, Assistant Professor, Department of Environmental Engineering has been identified as reviewer for '9th Indian International Conference on Air Quality Management (IICAQM 2024): Measurement, Modelling, Health Risk and Public Policy' by Indian Institute of Technology Madras. She has reviewed 2 research articles related to air pollution and impact on climate change during October 2024.



ACHIEVEMENT BY THE FACULTY, STAFF & STUDENTS

- Mr. Shivaprasad K S was invited as a resource person to deliver a talk on “underground drainage system and used water management” at Krishnarajanagara town municipal on 04.12.2025 under the Swacch Bharath Mission 2.0 scheme.
- Parinitha T Niranjana and Dr. Shivaprasad K S were invited as resource persons for an invited talk on "Used Water Management" and “Cleanliness for pourakarmikas” organised by Madilu in association with Purasabhe, H D Kote, on 15.12.2025 under the Swacch Bharath Mission 2.0 scheme.
- Mr. Shivaprasad K S was invited as a resource person to deliver a talk on “Solid Waste Management” at Bannuru town municipal on 19.12.2025 under the Swacch Bharath Mission 2.0 scheme.
- Dr. Shivaprasad K S and Hemalatha Prabhuswamy were invited as resource persons for Training on "Solid Waste management" and "Used Water Management" to the Paurakarmikas and personnel involved in Solid Waste Handling of Rammanahalli Town Panchayath, on 23.12.2025, under the Swacch Bharath Mission 2.0 scheme.
- Parinitha T Niranjana and Dr. Shivaprasad K S were invited as resource persons for an invited talk on “Solid Waste Management” and “Cleanliness for pourakarmikas”, organised by Madilu in association with Pattana Panchayath Srirampura, on 26.12.2025 under the Swacch Bharath Mission 2.0 scheme.
- Hemalatha Prabhuswamy received a review recognition certificate on Elsevier Reviewer Hub for reviewing the paper title "Pioneer Plants Drive Initial Pedogenesis in Fly Ash: Mechanisms of Iron Mineral Transformation and Microbial Community Reorganisation" of the Journal of Environmental Management during December 2025.
- Dr. Savitha U Ulavi developed e-content and delivered an invited talk on 'Environmental Sustainability and Climate Change' for Grass Root Research and Advocacy Movement (GRAAM) as part of Youth For Governance Fellowship (Y4G), December 2025.



ACHIEVEMENT BY THE FACULTY, STAFF & STUDENTS

- Hemalatha Prabhuswamy (PI) and Dr. Sadashiva Murthy B M (CO PI) presented a PPT on 30.12.2025 on the title “Monitoring Surveillance and Public Health Evaluation of Water Quality in Selected Areas of Mysuru City, Karnataka” for the Applied research proposal submitted to CPHEEO.
- Dr. Shivaprasad K S and Hemalatha Prabhuswamy were invited as resource persons for training on "Solid Waste management" and "Used Water Management" to the Paurakarmikas and personnel involved in Solid Waste Handling and sanitation of Bogadi Municipal Panchayat on 31.12.2025 under the Swacch Bharath Mission 2.0 scheme.
- Dr. D Ravishankar, Professor of Practice, delivered a lecture on the topic “Project Finance: A Case Study” at the Association of Consulting Civil Engineers (India), Mysore, on 28.10.2025 in NIE, Mysuru.
- Dr. D Ravishankar, Professor of Practice, delivered a lecture on the topic “Project Financing in PSU’s” held at a training programme in Financial Management for officers of KSA&AD on 29.10.2025, in the Fiscal Policy Institute, Kengeri.
- Dr. Sadashiva Murthy B M, Dr. Pushpa Tuppad, Dr. Savitha U Ulavi and Dr. Vishishtta Nagaraj were chaired a session for International Conference on "Heat and Heatwave Trends and Their Health Implications in the Global South" jointly organized by JSS Science and Technology University, Mysuru, India, Center for Science & Technology of the Non- Aligned & Other Developing Countries, New Delhi, India and Scientific Committee on Problems of the Environment, The Netherlands, held at JSS Science and Technology University, Mysuru from 6th – 7th November 2025.
- Dr. Sadashiva Murthy B M, Mr. Shivaprasad K S and Mrs. Hemalatha Prabhuswamy visited Suttur on 08.11.2025 to review the existing Solid Waste Management Practices along with Mr. Madhukar M, AEE, MCC, Mysuru.



ACHIEVEMENT BY THE FACULTY, STAFF & STUDENTS



Dr. Sadashiva Murthy B M, Professor & Head, receiving the award from the dignitaries



Certificate received from KSPCB, Mysuru

ACHIEVEMENT BY THE FACULTY, STAFF & STUDENT

- The 3rd year students- Nischitha Parvathi B M and Inchara MV participated and won gold and bronze medals in the Mysore City Intercollegiate Weightlifting competition conducted on 28.10.2025 in JSSSTU, Mysuru.



Nischitha Parvathi B M won a gold medal, and Inchara MV W won a bronze medal

- Mrs. Sahana M, Mrs. Parinitha T Niranjana, Mr. Shivaprasad K S and Mr. Trishul A M, Mrs. Hemalatha Prabhuswamy and Varsha G Kori were coordinators (Registration, Food and Travel, Stage committee) for International Conference on "Heat and Heatwave Trends and Their Health Implications in the Global South" jointly organized by JSS Science and Technology University, Mysuru, India, Center for Science & Technology of the Non- Aligned & Other Developing Countries, New Delhi, India and Scientific Committee on Problems of the Environment, The Netherlands, held at JSS Science and Technology University, Mysuru from 6th – 7th November 2025.
- Dr. Sadashiva Murthy B M and Dr. Pushpa Tuppad participated in the Australia-India Water Centre Partner Forum and International Symposium, Western Sydney University, Parramatta Campus, Australia, from 17th-19th Nov, 2025 and 20th-23rd Nov 2025, University of Melbourne, Melbourne.
- Dr. Savitha U. Ulavi was a resource person for the National Seminar on Green Technologies and Renewable Energy Integration organised by the University of Mysore Funded by RUSA. The title of the talk was 'Assessing Greenhouse Gas Emissions-A pathway to renewable energy - A pathway to renewable energy adoption' during December 2025.

ACHIEVEMENT BY THE FACULTY, STAFF & STUDENTS



Dr. Sadashiva Murthy B M and
Dr. Pushpa Tuppad participated in the AIWC



- The 3rd year student- Nishitha Parvathi B M participated and secured 4th place in the Karnataka State Level Weightlifting competition held on 08.11.2025 in Government Junior College, Sulya.



Nishitha Parvathi B M participated in Karnataka State Level Weightlifting competition

ACHIEVEMENT BY THE FACULTY, STAFF & STUDENTS

- Mrs. Hemaltha Prabhuswamy received a Certificate of Reviewing for the Journal of Environmental Management during March 2024- Nov 2025.
- Mr. Shivaprasad K S represented JSSSTU at KSPCB, Golden Jubilee celebrations at Bengaluru Palace grounds on 19.11.2025, as the college received the Indira Priyadarshini award at the district level program held on 27.10.2025 at Mysuru.
- Mr. Shivaprasad K S was invited as a resource person to deliver a talk on “Underground drainage system and used water management” at Hunsur town municipal on 25.11.2025 under the Swacch Bharat Mission 2.0 scheme.
- Dr. Savitha U Ulavi was invited to deliver a talk on 'Urban Emissions and Climate Change' in a two-day national seminar on 'Environmental Challenges and Resilience Strategies', 23rd- 24th December 2024 at University of Mysore, Department of Environmental Sciences.
- Mr. Shivaprasad K S., doctoral research scholar in the department, has successfully defended his thesis titled “Treatment of Biomedical Service Industry wastewater using hybrid Electrochemical coagulation (ECC) processes” in his final PhD viva voce examination on 05.12.2025 for the award of PhD degree.



PUBLICATION BY THE FACULTY

- Ramya S, Srinath S, Pushpa Tuppad, V Chandan. 2025. An attention infused multi-stage parallel adaptive neuro fuzzy systems framework with metaheuristic optimization for accurate water quality prediction. *Discover Artificial Intelligence*, 5: 359; ISSN:27310809, <https://doi.org/10.1007/s44163-025-00624-y>, SJR: 0.876, H-Index: 15, Impact Factor: 4.5. [Q1]
- Ramya S, Srinath S, Pushpa Tuppad. 2025. Data driven multi-stage transformer based framework for intelligent water quality monitoring. *Scientific Reports*, 15:41680; ISSN: 20452322, <https://doi.org/10.1038/s41598-025-25527-x>, SJR: 0.874, H-Index: 347, 2024 Impact Factor: 3.9. [Q1]
- Prijilesh T P, Pushpa Tuppad, Sadashiva Murthy B M, Dharma Hagare, Basant Maheshwari presented a paper on "Modular Hybrid STP: A sustainable solution for Decentralised Urban wastewater Management" at AIWC@5 - AIWC Partner Forum and International Symposium organised by Australia India Water Centre, Western Sydney University, Australia during 17th -19th November 2025.
- Devanand Maski, Pushpa Tuppad, Basant Maheshwari presented a paper on "Integrating Water, Energy and Food systems for Sustainable Resource Management under climate Stress" at AIWC@5 - AIWC Partner Forum and International Symposium organised by Australia India Water Centre, Western Sydney University, Australia during 17th -19th November 2025.
- Dr. Savitha U. Ulavi presented a research work titled ' Visibility Sensing and its Applications in Air Quality Management' at the Indo-German workshop on Receptor modelling, applications and technical solutions held at the Indian Institute of Technology Madras during October 2025.



PUBLICATION BY THE STUDENTS

- Hemalatha D. S., Dr. Sadashiva Murthy B M, Dr. Sandeep N. Mudliar and Dr. D. Istalingamurthy presented a paper on "Linking Urban Water management with Circular Economy Principles: An Integrated Approach" with coauthors at AIWC@5 - AIWC Partner Forum and International Symposium organised by Australia India Water Centre, Western Sydney University, Australia during 17th -19th November 2025.
- Karishma K, Pushpa Tuppad, Shreelatha H R, Aishwarya M, Nanditha U, Nishmitha K S, Varsha G Kori presented a paper on "Optimisation of water distribution network in T.Narasipura, Karnataka" at AIWC@5 - AIWC Partner Forum and International Symposium organised by Australia India Water Centre, Western Sydney University, Australia during 17th -19th November 2025.
- Parinitha T Niranjana, Sadashiva Murthy B M, D Istalingamurthy, Prashanth B. (2025), "Optimizing Municipal Solid Waste Collection for Environmental Sustainability: A GIS-Based Case Study of Mysuru City", International Journal of Environmental Sciences; ISSN: 2229-7359 Vol. 11, No. 24s, pp 1895- 1905 [Q3] <https://doi.org/10.64252/hf7pp743>.

COMPLETION OF ONLINE COURSE BY THE FACULTY

- Mrs. Thanushree M S and Mr. Shivaprasad K S attended AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Smart Cities and Sustainable Mobility: Civil Engineering Innovations for Future Urban Development”, organized by Sankalchand Patel College of Engineering, Visnagar, from 08th to 13th September, 2025.
- Dr. Savitha U Ulavi completed the Conclave on Lean Manufacturing Practices (LMP) held at IIMB from Oct 3rd- 5th 2025, organized by Mizuho India Japan Study Centre and IIMB.
- Mrs. Thanushree M S, Mrs. Sahana M and Dr. Vishishtta Nagaraj attended the 12 Days (Online) Interdisciplinary Refresher Course on Environmental Studies organised by UGC-Malaviya Mission Teacher Training Centre (UGC-MMTTC), Central University of Kerala, from 06th – 19th November 2025.
- Mrs. Hemalatha Prabhuswamy completed an 8-week NPTEL SWAYAM course on "Environmental Nanotechnology" offered by IIT, Kharagpur during Aug-Oct 2025.
- Mrs. Hemalatha Prabhuswamy participated in MATLAB EXPO 2025 (ONLINE) held during 12th – 13th November 2025, organised by MATHWORKS.



PROJECT PROPOSALS SUBMITTED TO THE FUNDING AGENCY

The following is the list of Project Proposals submitted to the CPHEEO:

1. IoT-Enabled Smart Composting Units for Effective Organic Waste Management (Harnessing technology to turn waste into wealth)
2. Feasibility study of Gravity Sewerage networks (GCNet) and Vacuum Sewerage networks (VCNet) for the safe collection and conveyance of sewage in terrain-sensitive regions
3. Engineered urban mining for critical metals recovery: a promising way of material circularity
4. Green Sludge Management and Resource Recovery
5. Eco-Friendly Bioplastic Synthesis from Food Waste Starch
6. Development of Urban Climate Vulnerability Index for Water-Scarce Cities: A data-driven approach using Machine Learning Models
7. Monitoring, Surveillance and Public Health Evaluation of Water Quality in Selected Areas of Mysuru City, Karnataka, India
8. Electro-Cascade Recovery from Municipal Solid Waste: H₂ and Nutrient Salt Production

REFRESHER COURSE (RC) TRAINING MODULES SUBMITTED

The following is the list of Training Modules submitted to the CPHEEO:

1. Disaster Waste Management & Emergency Response – Handling waste post floods, earthquakes, etc.
2. Wastewater Treatment Plant (STP) Operations & Maintenance – Day-to-day O&M tasks for operators, know-how the working of various equipments & their functioning in case of shut down, adoption of standard operating procedure as per the approved plan.
3. Preparation of DPR and cost optimization for Used Water Management – Developing project reports for funding and approvals.
4. Automation and Application of IoT& SCADA systems in project monitoring including Online Monitoring of STP Effluents using real-time data systems. Instrumentation, Control & SCADA in STPs – Automation and monitoring of STPs.
5. Advanced techniques for sewer and septic tank cleaning to sewer entry professionals and ERSU.
6. Energy Efficiency and cost economy in Pumping Systems including Operation & Maintenance of pumps and Pumping machineries.
7. Operation and Maintenance of Storm water Drainage Systems.
8. Hazardous & E-Waste Management for Urban Local Bodies – Legal framework and best practices.

FACULTY INTERACTION OUTSIDE WORLD/ DEPARTMENTAL ACTIVITY ORGANIZED

1. Mobile Ambient Air Quality Monitoring

In continuation of the institution's commitment to environmental sustainability and community awareness, a continuous ambient air quality monitoring event was undertaken on our campus from September 4, 2025, to September 6, 2025, in cooperation with the Karnataka State Pollution Control Board (KSPCB), Bengaluru. The monitoring was facilitated through the deployment of their Mobile Ambient Air Quality Monitoring Station.

The department team, led by Dr. Sadashiva Murthy B M, Prof & Head, was glad to receive the institution leadership, Dr. C. Nataraju, (I/c) Principal, SJCE, and Dr. P. Mallu, Vice-Principal, SJCE, who took a keen interest in visiting the facility along with other faculties across various disciplines. Their words of encouragement were very welcoming. We acknowledge Mr. S Rajashekar, Senior Environmental Officer, Ms. Jayalakshmi, Deputy Environmental Officer, and Mr. V.S. Kumar for their kind cooperation in demonstrating and sharing the facility with JSS Science and Technology University.



A group photo with the institution leaders, the faculties of various departments, and students

FACULTY INTERACTION OUTSIDE WORLD/ DEPARTMENTAL ACTIVITY ORGANIZED



From left to right: Dr. C. Nataraju, (I/c) Principal, SJCE, Dr. Sadashiva Murthy B M, Prof. & Head, Dept. of Environmental Engineering, Dr. Ravishankar D, Prof. of Practice, Dept. of Environmental Engineering, Mrs. Jayalakshmi, DEO, KSPCB, and Dr. P. Mallu, Vice-Principal, SJCE, visiting the mobile facility.

2. Industrial Visit

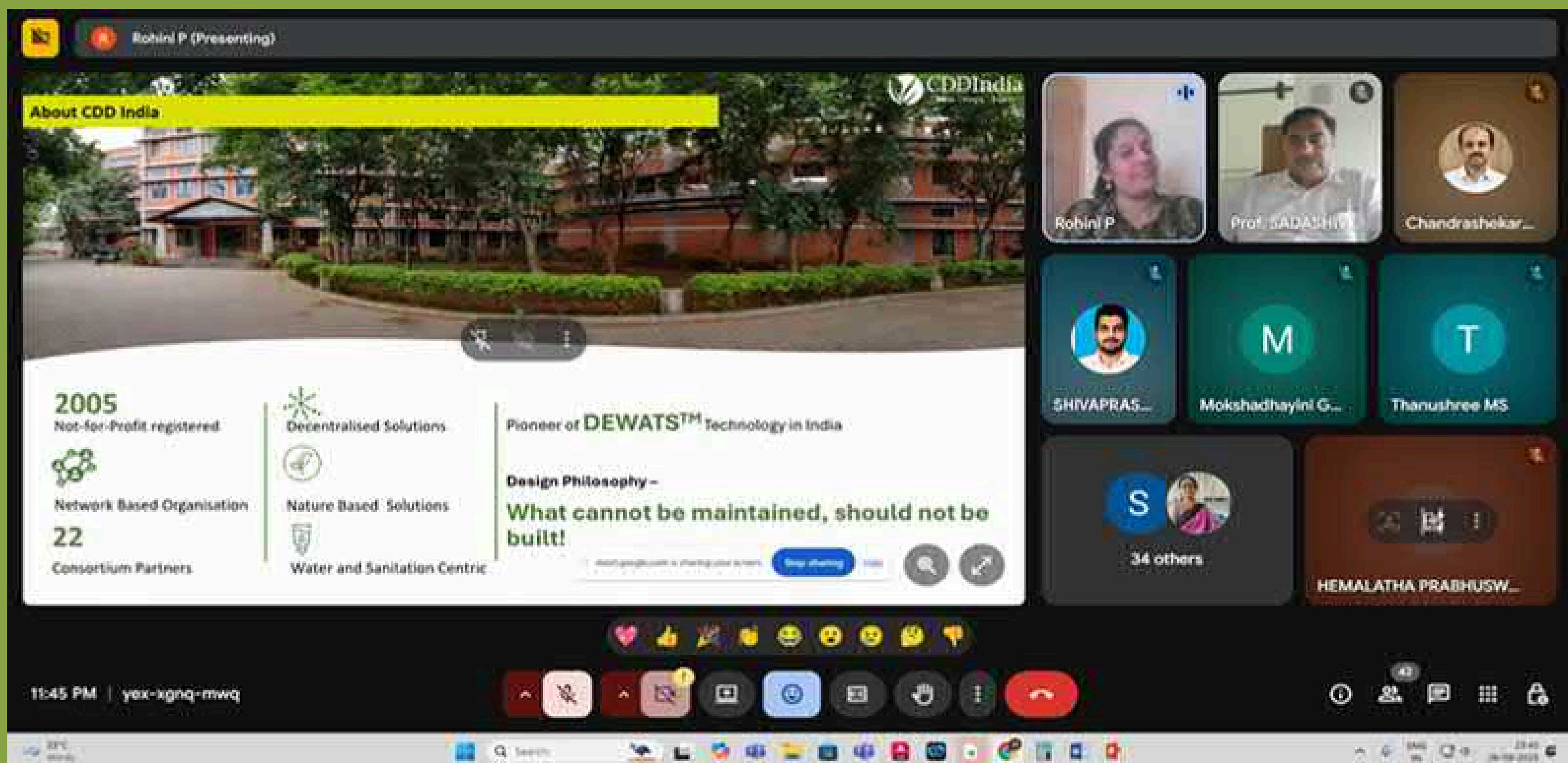
The Department of Environmental Engineering faculty and Research scholars visited Scheveran Cleanfix Pvt. Ltd. on 26.09.2025.



FACULTY INTERACTION OUTSIDE WORLD/ DEPARTMENTAL ACTIVITY ORGANIZED

3. 5th Alumni Webinar Series

The Department of Environmental Engineering organized the 5th Alumni Webinar Series on 27.09.2025 on “Nature-Based Solutions for Water Circularity” by Ms. Rohini Pradeep, Senior Program Manager, Head of Laboratory, CDD, Bengaluru.



5th Alumni Webinar Series

4. Orientation Programme 2025

The Department of Environmental Engineering organised an Orientation Programme for first-year students on 27 September 2025 in the department's seminar hall. The Student Induction Programme (SIP) for the students admitted to the 1st year B.E. during 2025 was scheduled from 16th September to 27th September 2024. “Freshers’ Day 2025” marked the first day of SIP 2025, for the new entrants of UG level courses for the academic year 2025-29 on Tuesday, the 16th September 2025, at 10.30 AM. As a follow-up program to SIP, a department orientation was organised on 27th October 2025 at 10:30 AM in the department seminar hall.

A detailed presentation on facilities available in the department, faculty and staff profiles, research publications, job and career perspectives, and placement opportunities was given by the Professor and Head of the Department to the students. The content of the presentation included: History of the department, Vision and Mission, programs offered, Accreditation status, Achievements, Laboratory facilities, student activities, job opportunities, etc.

FACULTY INTERACTION OUTSIDE WORLD/ DEPARTMENTAL ACTIVITY ORGANIZED



Department Orientation Programme 2025



Department teaching and non-teaching Staff are seen along with freshers

FACULTY INTERACTION OUTSIDE WORLD/ DEPARTMENTAL ACTIVITY ORGANIZED

5. Cleanup drive and an Awareness session & Industrial visit

In view of Suvarna Mahosthava of the Karnataka State Pollution Control Board (KSPCB), Mysuru Rural and Urban, in association with our department, organized a cleanup drive and an awareness session at the Mysuru Dasara Exhibition grounds on 10.10.2025 at 10:00 am, followed by an Industrial visit to MYMUL. The faculties: Mr. Shivaprasad K S, Mr. Trishul A M, and Dr. Yashas R coordinated the event for 5th-semester students.



Faculty and students took part in the Clean Drive and awareness session

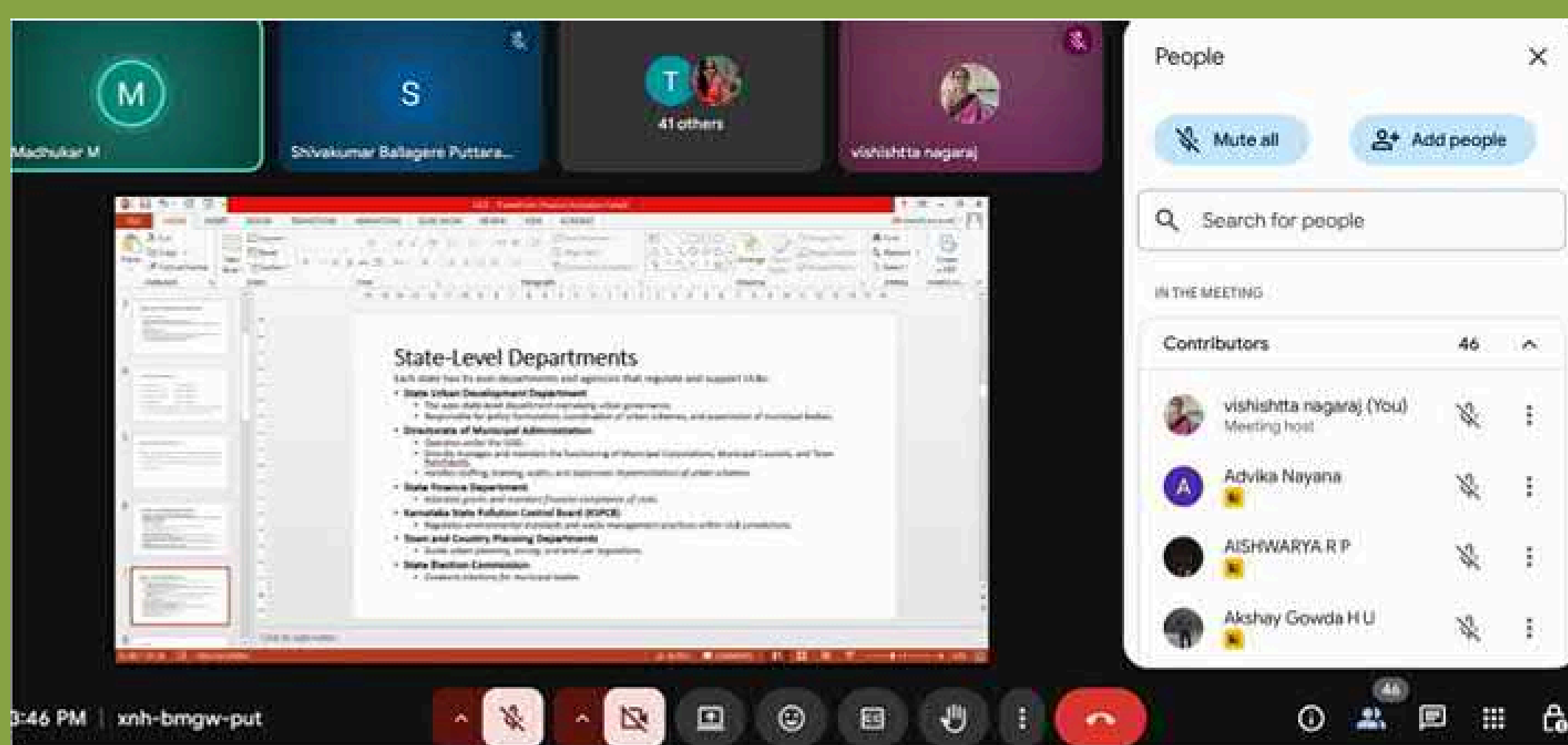


Industrial Visit to MYMUL for 5th-semester students

FACULTY INTERACTION OUTSIDE WORLD/ DEPARTMENTAL ACTIVITY ORGANIZED

6. 6th Alumni Webinar Series

The Department of Environmental Engineering organized 6th Alumni Webinar Series on the Role of Environmental Engineers in MCC on 25th October 2025 by proud Alumni of our department, Mr. Madhukar, Assistant Executive Engineer, Mysore City Corporation. UG, PG, Research Scholars, and Department faculty and staff attended the webinar. The webinar was scheduled from 3.30 pm to 4.30 pm, and the output of the webinar was to engage students with alumni and get practical ideas on current environmental engineering practices.



6th Alumni Webinar Series



6th Alumni Webinar Series

FACULTY INTERACTION OUTSIDE WORLD/ DEPARTMENTAL ACTIVITY ORGANIZED

7. Industrial Visit

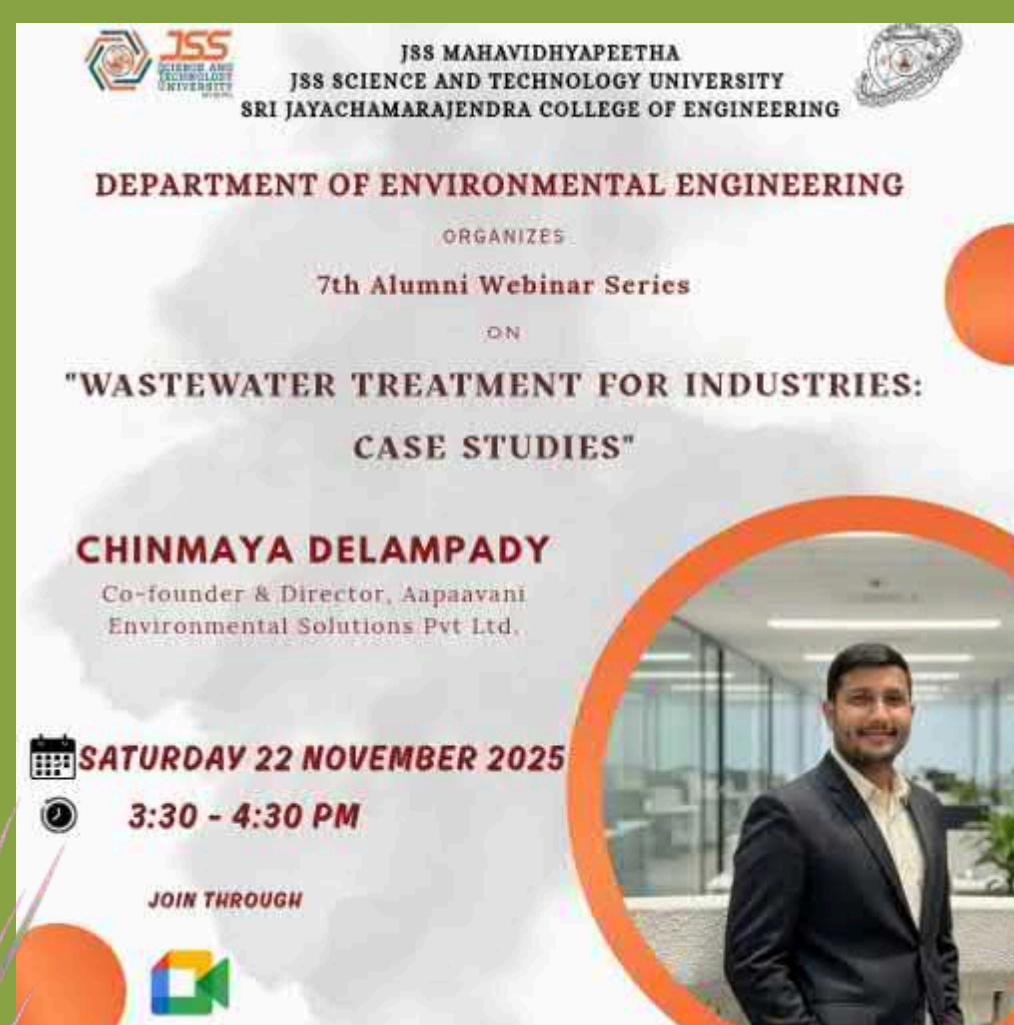
The Industrial visit had been organised for the 5th and 7th semester students along with Mr. Shivaprasad K S, Dr. Vishishtta Nagaraj, Dr. Yashas S R and Mr. Vinod on 18.11.2025 to Solid Waste Management Units (Rayankere, Vidyaranyapuram, Kumbar Koppal and Jagruth).



Industrial visit to Kesare SWM plant

8. 7th Alumni Webinar Series

The Department of Environmental Engineering organised the 7th Alumni Webinar Series on 22.11.2025 on “Wastewater Treatment for Industries: Case Studies” by Chinmay Delampady, Co-founder & Director, Aapaavani Environmental Solutions Pvt Ltd.



7th Alumni Webinar Series

FACULTY INTERACTION OUTSIDE WORLD/ DEPARTMENTAL ACTIVITY ORGANIZED

9. Career Guidance Program from Career Launcher, Mysuru

A Career Guidance Program from Career Launcher, Mysuru, was organised on 24.11.2025 for 5th semester UG students by Mrs. Geetha R. Shah, Manager – Business Development, Career Launcher, Mysuru. She addressed the students about the future opportunities in higher studies within the country and abroad. She briefed the students about the role of various competitive exams like IELTS, CAT, MAT, GRE, TOEFL, etc, in nurturing their future career. With some success stories of our alumni students, she described the prospects that the students can choose to brighten their careers.



Mrs. Geetha R. Shah, Manager – Business Development, Career Launcher, Mysuru, addressing students

10. Constitution Day celebration

Department of Environmental Engineering participated in Constitution Day 2025 on 26.11.2025 along with 3rd-semester students by taking an oath towards the nation. Constitution Day of India, also known as Samvidhan Divas, is observed every year on 26th Nov to commemorate the adoption of the Indian Constitution in 1949. This day honors the vision of the Constituent Assembly and reinforces the importance of constitutional values in shaping India's democracy. In 2025, it will mark the 76th anniversary of this significant event.

FACULTY INTERACTION OUTSIDE WORLD/ DEPARTMENTAL ACTIVITY ORGANIZED



Constitution Day celebration with 3rd semester students

11. Retirement Felicitation to Dr. D. Istalingamurthy, Professor

The department had organised a Retirement Felicitation for Dr. D Istalingamurthy, who has served the Department of Environmental Engineering for more than 35 years on 29th Nov, 2025.

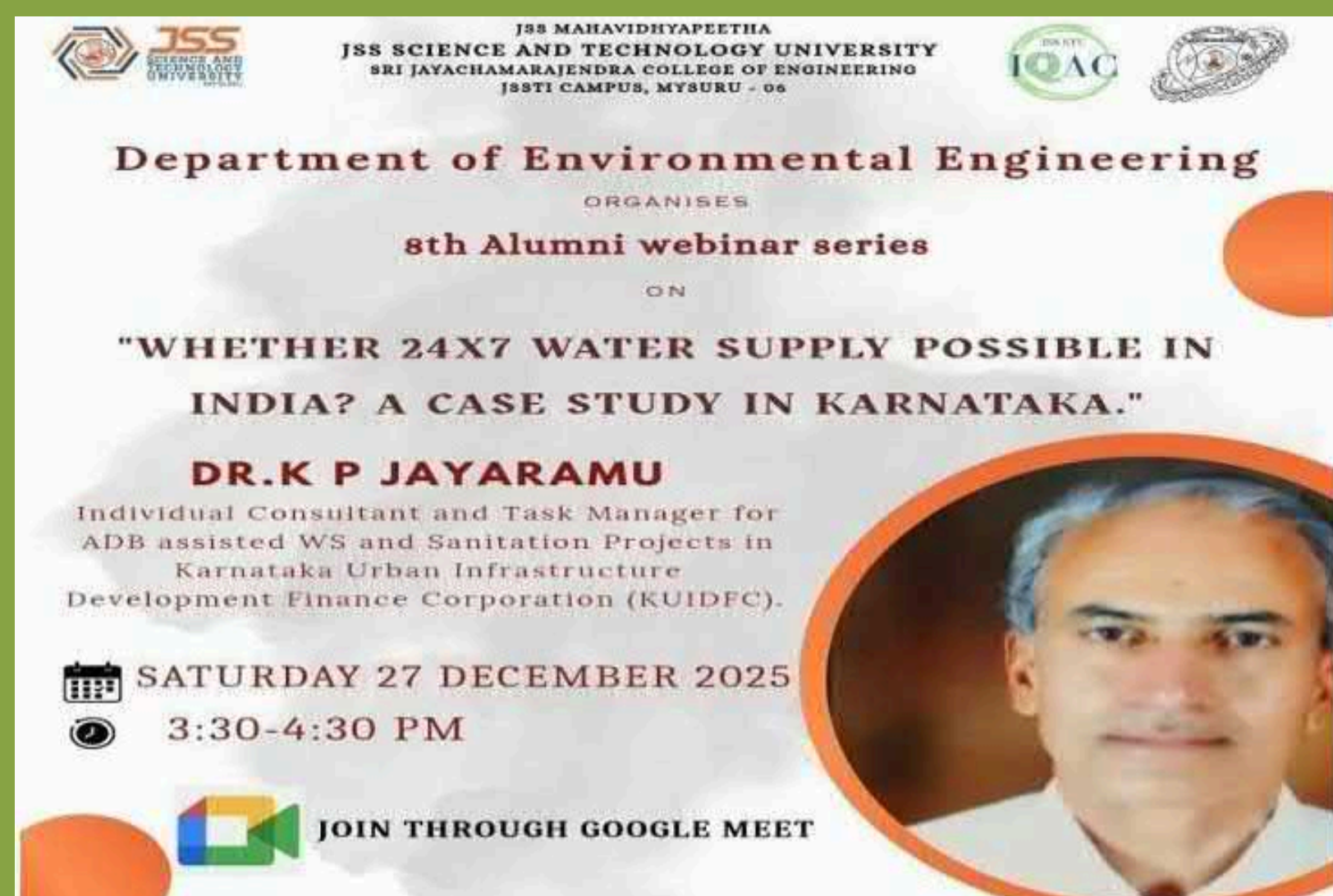


Retirement Felicitation to Dr. D. Istalingamurthy, Professor

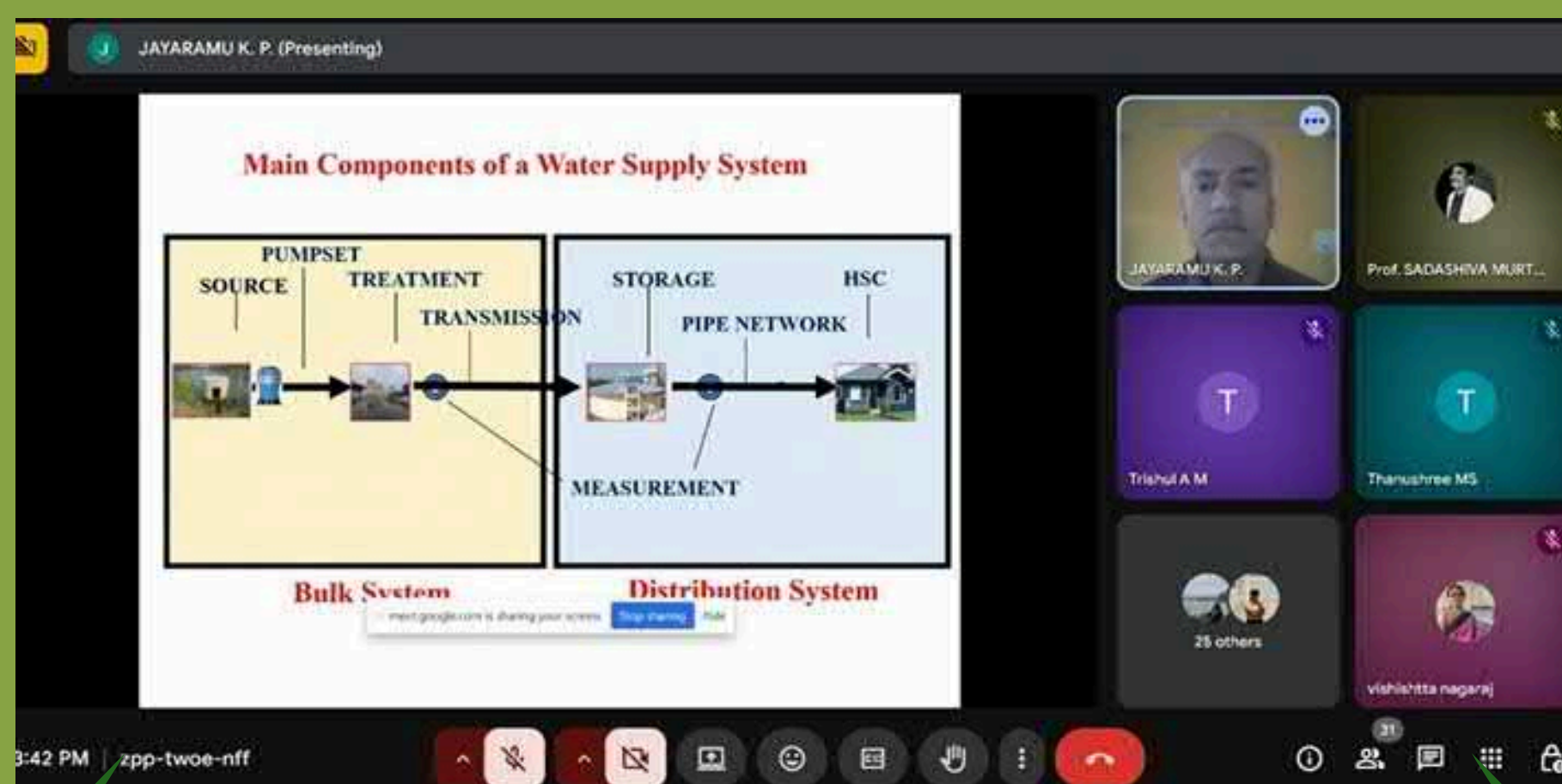
FACULTY INTERACTION OUTSIDE WORLD/ DEPARTMENTAL ACTIVITY ORGANIZED

12. 8th Alumni Webinar Series

The Department of Environmental Engineering organised an 8th Alumni Webinar Series on “WHETHER 24*7 WATER SUPPLY POSSIBLE IN INDIA/ A CASE STUDY IN KARNATAKA” by proud Alumni of our department, Dr. K P JAYARAMU, Individual Consultant and Task Manager for ADB assistant and Sanitation Projects in Karnataka Urban Infrastructure Development Finance Corporation (KUIDFC), on 27.12.2025. The webinar was attended by UG and PG students, research scholars, department faculty members, and staff. The webinar was scheduled from 3:30 pm to 4:30 pm, with the primary objective of engaging students with alumni and gathering practical ideas on current Environmental Engineering practices.



8th Alumni Webinar Series Invitation



Picture taken during the Online webinar

13. National Pollution Control Day, 2025

The Department of Environmental Engineering organised the National Pollution Control Day Quiz on Environmental Pollution for all branches' students on 26.12.2025 in IS/CS Seminar Hall. The Department of Environmental Engineering organised the National Pollution Control Day on 27.12.2025, featuring an expert talk by our esteemed alumnus and industry professional, Dr. Shobhan Majumder, Manufacturing Excellence Manager and Zonal SME – EHS (Karnataka) at United Breweries Ltd. (The HEINEKEN Company), Mysuru.

The session was attended by the Dr. P Mallu, Vice Principal, Dr. Sadashiva Murthy B M, Head of the Department, faculty members, student volunteers, and students. The talk provided valuable insights into pollution causes, industrial environmental management, and sustainable practices, inspiring participants to adopt greater environmental responsibility. To create awareness among students from other branches, a quiz competition was conducted the previous day, focusing on environmental issues and pollution control, which engaged participants and enhanced their understanding of environmental protection



Group Photo of Event



Prize Distribution Event -Quiz Competition

THANK YOU

