
CHANDRASHEKAR BASAVARAJU

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PROFESSIONAL SUMMARY

- 9+ years of experience in academic research & service around Environmental Engineering by focusing on an achievement-oriented approach, passion for scholarly work & profoundly invested in earning tenure through administrative service committee contributions.
- 6 years of core Strength in Planning, Designing, Execution, Quality & Quantity compliance by ensuing regulatory requirements, codes, standards & adopting emerging trends in the construction sector of PHE for national & International projects.

WORK HISTORY

1. Employer: JSS Science and Technology University, Mysuru, Karnataka, India.

Position: “Assistant Professor” in Dept. of Environmental Engg from 16thSep 2019 – till date.

Position: “Assistant Professor” in Dept. of Environmental Engg from 1st Oct 2016 – 15th Sep 2018.

Position: “Senior Teaching Fellow” in Dept. of Environmental Engg from July 2015-Aug 2016.

COURSES TAUGHT

• Occupational Safety and Health.	• Management Practices in Environmental Engineering
• Water Resource and Engineering Management	• Disaster Management.
• Environmental Impact Assessment	• Water Treatment & Supply Engineering.
• Environmental Process Lab-I & II.	• Design and Drawing of Environmental Systems I & II.
• Biological Treatment Process Lab	• Environmental health and occupational safety
• Environmental Fluid Mechanics Laboratory	• Environmental Microbiology Lab
• Survey Engineering Lab	• Atmospheric Measurements and Software for Environmental Engineering

RESEARCH GUIDED: M. Tech - 08 No, B.E – 07 No. & 05 Research Paper Publication.

ROLE AND RESPONSIBILITIES

- Teach courses in Environmental Engineering to both undergraduate and postgraduate students.
- Prepare syllabi, curricula, reading materials, CIE & SEE paper.
- Create curricula in accordance with departmental standards.
- Publish papers in professional journals through extensive research.
- Regularly meet with students during office hours to address concerns and offer feedback.
- Organize and participate in various campus events.
- Grade exams and papers, giving detailed feedback.
- Keep thorough records of student scores and attendance.
- Provide extra assistance to students as needed.
- Voluntarily delivers the speech & discussion on corporate life, ethics, and values.
- DUGC, DPGC, and BOS Member.

- Involved in many stock verification processes.
- Involved in institution and department activities such as NAAC and NBA.

2. Previous Employer: L&T Construction, Chennai & Bengaluru from 20th July 2009 – 30th June 2015.

Position: Asst. Engineering Manager (22nd June 2011 – 30th June 2015).

Position: Senior Design Engineer (21st June 2010 – 21st June 2011).

Position: Post Graduate Engineer Trainee (20th July 2009 – 20th June 2010).

ROLE AND RESPONSIBILITIES

- Develop concepts, schemes, and detailed designs and work with a multidisciplinary team.
- Planning, scheduling, conducting, and coordinating with the technical and management teams on multidisciplinary projects.
- Design of water supply system, sewerage system, storm water drains, solid waste management for High-rise buildings, commercial and hotel projects using Water gems and sewer gems.
- Approve the DBR, BOQ & BOM reconciliation & GFC drawing.
- Approve Shop drawings, and 3D modelling to analyze MEP services.
- Negotiate with Vendors, and sub-contractors and finalize requirements adhering to the standard norms, client specifications and site coordinator for MEP services.
- Provide technical direction and job training to junior members of the team.
- Techno-economic analysis for tender quantities versus the executed quantities at the site.
- Reviewed the documents related to LEED/GRIHA to achieve the proposed green building rating.
- Manage regular inspection performed tests on equipment and materials and ensure adherence to all required standards.
- Reviewed project baselines concerning cost, resource deployment, time overruns, and quality compliance to ensure the profitable execution of projects.
- Monitored budgets, schedules and oversaw performance to ensure on-time and quality execution.
- Implementation of Environmental Management and Quality Management System.
- Provided strategies to the project team to achieve LEED Ratings.
- Attended regular meetings with the main Contractor and Consultant to discuss key issues related to the project and take effective preventive action plans.

PROJECTS PLANNED, DESIGNED, COORDINATED & EXECUTED

- Godrej Garden City at Ahmadabad - 60 Towers (S+12 Floors) led the team & gained 15% profit.
- Godrej Alpine at Mangalore - 3 Towers (B+S+19 floors) led the team & grew 20% profit.
- Godrej Palm Grove at Chennai- 15 Towers, (G+16 Floors) led the team & achieved 18% profit.
- Godrej Prakriti at Kolkata, (S+19 Floors) with 15% of profit.
- Provident Sun worth at Bengaluru - 15 Towers (B+S+12 floors) with 12% profit.
- Bangalore Airport Hotel Ltd has supervised the project.
- KIAL BENGALURU (Kempe Gowda International Airport) has supervised the project.
- MC-5 SALLALAHA Airport & TCS Gandhinagar Gujrat.
- WIPRO IT-SEZ led the team as an individual & gained 30% profit.

PROFESSIONAL CERTIFICATION

- Attended ISO: 9001:2015, Lead Auditor course on Quality Management Systems organized by IRCLASS between 14.07.2025 – 18.07.2025.
- Completed ISO: 14001:2015, Lead Auditor course on Environment Management Systems organized by IRCLASS between 13.08.2023 – 17.08. 2023.
- Certified Internal QMS (ISO: 9001:2008) by LRQA from 14th August 2014.
- Certified for GRIHA as Evaluators & Trainers from 27th June 2014.
- Trained on "Greenhouse Gas Accounting" Based on ISO 14064:2006 on 30th October 2010.

PROFESSIONAL AFFILIATIONS

- Member of the "INTERNATIONAL ASSOCIATION FOR WATER, ENVIRONMENT, ENERGY AND SOCIETY (IAWEES)" – M- 5359 in the year 2020.
- Life Membership of "INDIAN WATER WORKS ASSOCIATION" from Aug 2017.
- Life Membership of "THE INSTITUTION OF ENGINEERS - M-1599180" from May 2017.

PAPER PUBLICATIONS

- Floral waste as black waste, "International Journal of Research in Agronomy", Volume: 8, Issue: 5, Year: 2025, Page Number: 12-17.
- Treatment of Automobile service station wastewater using ECC, (IJERT), Volume 14, Issue 09, September 2025.
- Treatment of sugar industry wastewater by Electrocoagulation method and Adsorption for EC–treated effluent, "International Research Journal of Modernization in Engineering Technology and Science" Volume:04/ Issue:08/ August 2022.
- Analysis of Rainfall Variation and Groundwater Level in Mysuru Taluk using GIS, (IRJET), VOLUME 08, ISSUE 10, OCTOBER 2021.
- Production of Biodiesel from waste cooking oil and utilization of its by-products, (IRJET), VOLUME 07, ISSUE 09, SEPTEMBER 2020.
- Comparative Studies on Soil Health Due to the Application of Different Manure Combinations. Paper Id- OCT 14376, (IJSR), VOLUME 3 ISSUE 10, OCTOBER 2014.
- The Study on Humanure as an Alternative to Commercial Fertilizer and its Decay Rate with Various Additives. Paper Id- OCT 14409, (IJSR), VOLUME 3 ISSUE 10, OCTOBER 2014.

EDUCATIONAL PROFILE

- Pursuing Ph.D. (Part-time) in the arena of GIS & RS on River Water Quality from 2017 till date.
- M-Tech in Environmental Engineering from S.J.C.E, Mysore, VTU in 2009 with 77.00 %.
- B-Tech in Environmental Engineering from S.J.C.E, Mysore, VTU in 2007 with 72.60 %.
- Post Graduate Diploma in Environmental Law from NLSU, Bangalore in 2014 with 65.0%.

R&D PROJECTS

- Conducting a project as a CO-PI on the topic "Comparative study on a complete analysis of Intermittent v/s. Continuous (24X7) Water supply system for urban areas" –sponsored by "CPHEEO" with a sanctioned amount of 40 Lakhs.

CONSULTANCY

- Conducting an "ETP Audit" in West Coast Paper Mills Ltd., Dandeli with a sanctioned amount of 7.40 Lakhs.
- Department Laboratory services work of 2.558 Lakhs for a period of 2022-2023.
- Conducted Green Audit for a few educational institutions in and around Mysuru.

KEY ACHIEVEMENTS

- "Submitted around 35 tenders within 6 years, resulting in 85% operating projects in L&T.

- Amplified profits minimum of 15% in every project in L&T construction.
- Designed the stormwater drain network for the S&TU Campus of 110 acres, Mysuru, Karnataka.
- INNOVATIONS: Designed the capacity of the Incinerator, Garbage Chute & DEWAT System.
- Successfully Coordinated in shortlisting the Institution for a clean and smart campus- AICTE 2020.
- Successfully coordinated to fetch One District One Green Champion Certificate from Mahatma Gandhi National Council of Rural Education/ Dept of Higher Education, Ministry of Education. (August 2021).

EXTRACURRICULAR ACTIVITY

- Departmental ERP Coordinator.
- Departmental Timetable Coordinator.
- Departmental COVID-19 Coordinator.
- Environmental Coordinator for JSS S&TU Campus.
- Department-level coordinator for NAAC 1 criteria and NBA Criteria 4.
- Participated as Judge in the Science Expo – ‘Srujana 2024’, a state level intercollegiate scientific model making competition and exhibition on 21st November 2024.
- Participated in JSS STU UG Project exhibition (JSSSTU – UPEX 2024) as Project Mentor organized by JSS STU, Mysuru on May 18th 2024.
- Conducted the World Environment Day every year, Swachatta Pakawada, Ek Tareek Ek Ghanta, Meri Maati Mera Desh etc
- Involved in many outreach activities like cleaning up Lake, Hinkal in Mysuru, etc.
- Appreciation and compliments for conducting student induction program 2021-2022, 2022-23. conducted from the University.
- Nominated as SAP committee members from the University.

TECHNICAL WORKSHOPS/TRAINING

- Attended the Faculty Development Program (FDP) on “Geospatial Technologies for Healthcare and Public Health Management” scheduled from 3rd to 6th March 2026 at JSS Medical College, JSS AHER, Mysuru.
- Participated in International Conference on “Heat and Heatwave Trends and their Health Implications in the Global South”, Jointly organized by JSS STU & CST of the Non -Aligned & Other developing countries, New Delhi & Scientific Committee on problems of the Environment, the Netherlands held on 6th and 7th November 2025.
- Actively participated in 2-day workshop on “Hydraulic Modelling of Networks and BIM Applications” Organized by Department of Environmental Engineering, SJCE, JSSSTU, Mysuru held on July 4th & 5th 2025.
- Successfully completed one week faculty Development Program on “Design Excellence: Mastering 2D and 3D Modelling with AutoCAD and Fusion 360” organized by department of Mechanical Engineering, JSS STU from 1st April to 5th April 2025.
- Actively participated in 2-day workshop on “Opportunities in Environment Health and Safety (EHS) for Engineering Graduates”, organized by Dept. of Environmental Engineering, SJCE, JSS STU on 29th and 30th November 2024.
- Participated in the training course on “Hydrologic Modelling under changing climate and land use using SWAT organized by KSCSTE – centre for water resources development and management (CWRDM), Kozhikode on 16th to 19th October 2024.
- Participated one-week Faculty Development Program (FDP) on “Role of Green Energy Towards Sustainable Smart Cities” organized by IEEE JSSSATEN from 13.02.24 to 17.02.24.
- Completed a Two-Week Faculty Development Program on “Opportunities and Challenges in Entrepreneurship” sponsored by NSTEDB, DST, Govt of India, from 3rd – 19th January 2024 conducted by JSSATE, Science and Technology Entrepreneurship Park, Bengaluru.

- Participated in the Academia-Industry MoU Conclave held on 19th-20th January 2024 at JSSSTU, Mysuru.
- Participated in “Secret Sauce” of professional Excellence organized by the Internal Quality Assurance cell (IQAC), JSS STU. On 27th September 2023.
- Completed one-week Faculty Development Programme on “Air, Water Pollution and Health” organized by National Institute of Technical Teacher’s Training and Research (NITTTR) Kolkata from 31st July to 4th August 2023.
- Attended an online workshop on 8th August 2023 titled “Artificial Intelligence as a Magical Tool for Teachers & Researcher: Challenges and Opportunities” organized by IQAC, Sacred College (Autonomous), Thevara, Kochin, Kerla.
- Participated in the International Symposium on “Emerging Materials for Sustainable Energy and Environment” on 15th July 2023 at SJCE, JSSSTU, MYSURU.
- Participated in 5 days short-term training program on “Self-Sustainable Buildings” organized by the Civil Department of Presidency University, in association with (KSTA) from 12th September to 16th September 2022.
- Participated and completed AICTE and Training (ATAL) Academy online Elementary FDP on “Application of Remote sensing and GIS in Water Resources Engineering” from 02.08.2021 to 06.08.2021 at Bharathi Vidyapeeth (Deemed to be University) College of Engineering, Pune.
- Participated and completed AICTE and Training (ATAL) Academy online Elementary FDP on “GIS and Remote Sensing and its application” from 07.06.2021 to 11.06.2021 at Punjab Remote Sensing Centre.
- Participated and completed AICTE and Training (ATAL) Academy online Elementary FDP on “Productivity Enhancement through Meditation” from 24.05.2021 to 28.05.2021 at Jaipur Engineering College and Research centre, Jaipur.
- Participated in a Five-day Online faculty development program on “Research Opportunity in Civil Engineering” organized by Dept. of Civil Engineering, The National Institute of Engineering” Mysuru from 07/09/2020 to 11/09/2020.
- Participated in one-week faculty development program on “Advanced Surveying and Geo-Informatics” organized by Dept. of Civil Engineering in association with IQAC-MSRIT sponsored by AICTE from 24th to 29th August 2020 at Ramaiah Institute of Technology, Bengaluru.
- Participated in one-week faculty development program on “Advances in water resources management and sustainable environment” organized by Dept. of Civil Engineering in association with IQAC-MSRIT sponsored by AICTE from 17th to 21th August 2020 at Ramaiah Institute of Technology, Bengaluru.
- Attended the webinar on “Environment V/S Economic Development” organized by Dept. of Environmental Engineering on 25th August 2020 at SJCE, JSS S&TU, Mysuru sponsored by NPIU & TEQIP-III.
- Attended the webinar on “River Rejuvenation Importance and Issues in Context of Present Scenario & Crisis” organized by Dept. of Environmental Engineering on 24th August 2020 at SJCE, JSS S&TU, Mysuru sponsored by NPIU & TEQIP-III.
- Attended the webinar on “Implication of Law in Environmental Engineering” organized by Dept. of Environmental Engineering on 19th August 2020 at SJCE, JSS S&TU, Mysuru sponsored by NPIU & TEQIP-III.
- Attended the webinar on “Quality & EHS in Industries” organized by Dept. of Environmental Engineering on 13th August 2020 at SJCE, JSS S&TU, Mysuru sponsored by NPIU & TEQIP-III.
- Attended the webinar on “E-Waste (Management & Handling) Rules, 2016” organized by Dept. of Environmental Engineering on 6th August 2020 at SJCE, JSS S&TU, Mysuru sponsored by NPIU & TEQIP-III.
- Attended the webinar on “Environmental Legislation and Amendments in India” organized by Dept. of Environmental Engineering on 22nd July 2020 at SJCE, JSS S&TU, Mysuru sponsored by NPIU & TEQIP-III.
- Successfully completed 4 weeks coursera certificate on “Grammar and Punctuation” online course organized by University of California, Irvine on 13thSep, 2020.
- Successfully completed 4 weeks coursera certificate on “Planning & Design of Sanitation Systems and Technologies” online course organized by Ecole Polytechnique Federale de Lausanne on 13thSep, 2020.
- Successfully completed 4 weeks coursera certificate on “Municipal Solid Waste Management in Developing Countries” online course organized by Ecole Polytechnique Federale de Lausanne”, on

11thSep, 2020.

- Successfully completed 4 weeks coursera certificate on “Project Management: The Basics for Success” online course organized by University of California, Irvine on 23rd May, 2020.
- Successfully completed 4 weeks coursera certificate on “Work Smarter, Not Harder: Time Management for Personal & Professional Productivity” online course organized by University of California, Irvine on 23rd May, 2020.
- Successfully completed 3 weeks coursera certificate on “Renewable Energy and Green Building Entrepreneurship” online course organized by Duke University on 20th May, 2020.
- Successfully completed 6 weeks coursera certificate on “Introduction to Environmental Law and Policy” online course organized by The University of North Carolina at Chapel Hill on 20th May, 2020.
- Successfully completed 3 weeks coursera certification “Air Pollution – a global Threat to our Health” online course organized by University of Copenhagen on 19th May, 2020.
- Successfully completed 12-week course, Jan – Apr 2020, on “Sustainable Architecture” organized by NPTEL online certification funded by MHRD, Govt. of India.
- Successfully completed an 08-week course, Jan – Mar 2020, on “Soft Skill Development” organized by NPTEL online certification funded by MHRD, Govt. of India.
- Participated in CSE’s first “Regional Knowledge Conclave” organized by the Centre for Science and Environment on 6th& 7th September 2018, at Mysuru.
- Participated in “Spatial Modelling and Analysis of Environmental System using open-source tools” organized by GIAN at IIT Madras from 11th – 23rd June, 2018.
- Participated in the workshop on “Spectrum of Intellectual Property Rights with special emphasis on Patents” organized by NIALS at JSS S&TU Mysuru on 28.02.2018.
- Participated in “Advanced Wastewater Treatment” organized by GIAN at IIT Madras from 6th – 11th March 2017.
- Participated in “Solid Waste Management – Feasibility of Technology transfer “conducted by GIAN at SJCE, Mysuru from 10th – 20th February 2017.
- Participated in the “Strength-Based Personality Development Programme” organized by TEQIP at SJCE, Mysuru.
- Participated in 3-day Indo-US workshop on “Hazardous Materials Management” sponsored by TEQIP at SJCE, Mysuru from 25th – 27 October 2016.
- Participated in “Spatial Technology and Modelling for Drought Management” organized by GIAN at SJCE, Mysuru, from 11th – 22nd July 2016.
- Participated in “Fate and Transport of Contaminants in the Environment” organized by GIAN at SJCE, Mysuru, from 13th – 25th June 2016.
- Participated in “Pedagogy of Instruction Design and Delivery System” organized by TEQIP at SJCE, Mysuru, conducted from 7th – 12th June 2016.
- Participated in the “International Conference on Advanced Materials and Technology “by TEQIP at SJCE, Mysuru, from 26th – 28th May 2016.
- Participated in “Authors workshop on Publish or Perish”, organized by SJCE on 26th March 2016.
- Participated in “Environmental Management Frame Work” organized by BMS College, Bangalore, from 29th February – 04th March 2016.

PERSONAL DETAILS

Communication Address: 188/1, Thammadageri,
Opposite to Ganapathi temple, Hinkal, Mysuru-17
Language known: Kannada, English, Hindi& Tamil.

DOB: 18.05.1986
Marital Status: Single
Passport Details: H660384

