



Ms. Vinitha E. V.

Assistant Professor, Civil Engineering

Administrative Responsibilities

- IQAC member
- SEP – Vice Chairperson
- Envotech club – Faculty Advisor
- Senior Faculty Advisor of Batch 2023-27

Education Summary

- PhD (pursuing) from NIT, Calicut
- M.Tech in Environmental Engineering from SVNIT, Surat
- B.Tech in Civil Engineering from Mar Athanasius College of Engineering, Kothamangalam

Employment History

- Assistant Professor at Christ College of Engineering, Irinjalakuda - 2019 October to till date
- Assistant Professor at Parul University, Vadodara, Gujarat (2 years)

Journal/Papers Published

- Vinitha E. V., “A Comprehensive Analysis of Greywater Disposal and Management: Characterization and Public Perception”, 5th National Environmental Conference organized by Environmental Science and Engineering Department, Indian Institute of Bombay held on 13th and 14th March, 2026
- Vinitha E. V., Ansha M. M., Adith A. S., Brahmadathan C. P., Vinayak K. Mohandas, “Greywater Characterization and Treatment with Rice Husk For Reuse”, National Conference on Innovations in Civil Engineering 2025 (NCICE 2025) organized by Department of Civil Engineering, Christ College of Engineering, Irinjalakuda held on 21st March, 2025

- E. V. Vinitha, M. Mansoor Ahammed and Mahesh R. Gadekar, 2017, “Chemical coagulation of greywater: modelling using artificial neural networks”, Water Science & Technology, Vol. 3, 869-877.
- Dr. Lovely K M, Amrutha C V, Misha Maria Mathew, ReivaSibi, and Vinitha E. V., 2014, “Functional Planning and Design of a Fan Shaped Technical Museum”, Int. Journal of Engineering Research and Applications, Vol. 4(4),165-167.
- Joseph, R. M., Manjaly, A. D., Unni, S., Able, E. C., & Sharon, V. (2021). Prediction of Groundwater Quality Using Artificial Neural Network. AIJR Proceedings, 213-221

Patent Published

- Patent Published for “Solar Powered Greywater Treatment Unit with UV Disinfection”

Specialized Trainings

- 3 days Faculty Training Program: “Mapping the Future”, Hands on training with DGPS, LIDAR and Aerial Survey Techniques on 12th, 15th and 16th September, 2025
- 1 month course on “Air Pollution and Health Impacts: Using Modelling Techniques” held from 17th May to 8th June 2025 organised by Center for Sustainable Environment and Education (CSEE) recognised by NITI Aayog, AICTE and e-ANUDAAN, Govt. of India.
- 5 days Online Workshop on “Waste or Wealth Strategic Waste Management Practices- WoW-2.0” jointly organised by Department of Civil Engineering and Department of Architecture and Planning, NIT Calicut (19 to 23 May 2025)
- 1 day seminar on “Funding Opportunities and AI Tools for Teaching and Research” organized by Christ College (Autonomous), Irinjalakuda on 6th February 2025
- 3 days Online Workshop on “Waste or Wealth Strategic Waste Management Practices” jointly organised by Department of Civil Engineering and Department of Architecture and Planning, NIT Calicut (17 to 19 May 2024)
- One week STTP (Short Term Training Program) on “Futuristic Scope in Civil Engineering” (FSCE-2024) organised by Department of Civil Engineering, KDKCE, Nagpur from 15th January to 20th January 2024.
- Hands-on-Workshop on MATLAB conducted by MathWorks Community @CCE organized by Christ College of Engineering, Irinjalakuda (24 July 2023)
- One day Workshop on “Recent Advancements in Civil Engineering” organized by Green club, Department of Civil Engineering, Amrita College of Engineering & Technology (31 May 2021)
- 3 day Short Term Training Program on “Mathematical Modelling in Civil Engineering” organised by Department of Civil Engineering, SCMS School of Engineering and Technology (5 to 7 August 2020)

- Workshop on “National Web conference in creating infrastructure digital twin & digital construction technology” conducted by CADD Centre Training Services Pvt. Ltd. in association with Bentley Institute (29-30 April 2020)
- Workshop on “ Environmental Challenges in Energy Sector” at L&T Power Training Institute Vadodara Gujarat (14-15 September 2017)
- Workshop on “ Recent Issues Advances and Innovation in Environmental Engineering” at Uka Tarsadia UniversityGujarat (11-12 March 2016)
- Workshop on “ Application of Soft Computing Techniques in Civil Engineering” at SVNIT Surat (15-16 October 2015)
- Workshop on “ Nuclear Energy” at SVNIT Surat (31 August 2014)

Faculty Development Program

- 5-Day Faculty Development Program on “Next-Generation Environmental Research Technologies (NERT2026)” organized by National Institute of Technology, Agartala between 12th to 16th January 2026.
- 5-Day Faculty Development Program on “Smart Solutions for Wastewater: Advances in Bioelectrochemical Treatment Technologies” organized by National Institute of Technology, Warangal between 28th July to 1st August 2025.
- 5-Day Faculty Development Program on “Crafting Compelling Project Proposals: A Workshop for CCE Funding Success” organized by Christ College of Engineering, Irinjalakuda between 21st February and 28th March 2025.
- 2-Day Faculty Enhancement Program – Elevate 2025 organized by Christ College of Engineering, Irinjalakuda held on 25th and 26th June 2025.
- Industrial Wastewater Treatment- NPTEL FDP Course
- 5-Day Faculty Development Programme on “Green Horizons: Advanced Materials and Techniques for Sustainable Construction” conducted by Vidya Academy of Science and Technology,Thrissur between 30 December 2024 -3rd January 2025.
- 3-Day Faculty Development Programme on “Python Programming” conducted by ICT Academy of Kerala between 1-3 July 2024.
- Basic Environmental Engineering and Pollution Abatement - NPTEL FDP Course
- Wastewater Treatment and Recycling- NPTEL FDP Course
- Physico-chemical processes for wastewater treatment- NPTEL FDP Course
- Attended Innovation Ambassador (IA) training “Advanced Level” conducted in online mode by MoE’s Innovation Cell & AICTE (16/9/2022)
- 3-Day online Faculty Development Programme on “Enhancing Civil Engineering Proficiency 2022” conducted by Government Polytechnic College, Chelakkara between 16 -18th June 2022.
- 3-Day National Faculty Development Programme on “Outcome Based Education and NBA Accreditation” organized by Internal Quality Assurance Cell & Department of Civil Engineering, Christ College of Engineering, Irinjalakuda from 31st August 2021 to 2nd September 2021.
- Six-day online FDP on “Construction Industry - Present and Future Trends” organized by the Department of Civil Engineering, FISAT (21 – 26 June 2021)
- FDP on “Smart Cities-Infrastructure & Sustainability” organized by Indian Institute of Technology Ropar (24 – 28 May 2021)
- FDP on “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) (17 – 21 May 2021)

- STTP on “ Outcome Based Education for Technical Institutions – Phase I” organized by Rajagiri School of Engineering and Technology, Kochi (14 – 20 October 2020)
 - FDP on “ Enriching Research Acumen” organized by Department of Computer Science and Engineering, Christ college of Engineering, Irinjalakuda (25 – 29 July 2020)
 - Webinar on “Preparing for Online Teaching” presented by Dr. Muralee Thummarukudy Operations Manager Crisis Management Branch United Nations Environment Programme organized by Sacred Heart College Kochi (21 May 2020)
 - Webinar on “Outcome Based Education” by St. Thomas College (Autonomous) Thrissur and Kerala State Higher Education Council (13 May 2020)
- FDP on “ Repair and Rehabilitation of Structures” at Jyothi Engineering College, Cheruthuruthy (2 – 6 December 2019)

Online Course Certification

- Online certification on “RS & GIS Applications” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun (02-11-2020 to 20-11-2020)

MOOC course attended

- NPTEL Elite-silver certification on “Sustainable Engineering Concepts and Life Cycle Analysis” with score 85% authorized by IIT Kharagpur (29/09/2025)
- NPTEL Elite-silver certification on “Industrial Wastewater Treatment” with score 84% authorized by IIT Roorkee (29/04/2025)
- NPTEL Elite-silver certification on “Basic Environmental Engineering and Pollution Abatement” with score 82% authorized by IIT Roorkee (29/10/2024)
- NPTEL Elite-silver certification (top 1%) on “Integrated Waste Management for a Smart City” with score 85% authorized by IIT Kharagpur (29/10/2023)
- NPTEL Elite-silver certification on “Physico-chemical processes for wastewater treatment” with score 85% authorized by IIT Madras (29/04/2023)
- NPTEL certification on “Environmental Quality Monitoring & Analysis” with score 72% authorized by IIT Madras (29/04/2023)
- NPTEL Elite-silver certification (top 2%) on “ Wastewater Treatment and Recycling” with score 85% authorized by IIT Kharagpur (29/10/2022)
- NPTEL certification on “ Integrated Waste Management for a Smart City” with score 83% authorized by IIT Kharagpur (1/01/2021)
- Online certification on “Planning & Design of Sanitation Systems and Technologies” authorized by École Polytechnique Fédérale de Lausanne and offered through Coursera (19/08/2020)
- Online certification on “Introduction to the Arctic: Climate” authorized by University of Alberta and offered through Coursera (5/07/2020)
- NPTEL online certification on “ Geotechnical Engineering-I” with score 80% authorized by IIT Bombay (20/06/2020)
- Online certification on “Introduction to Sustainability” authorized by University of Illinois at Urbana-Champaign and offered through Coursera (22/06/2020)
- Online certification on “Renewable Energy and Green Building Entrepreneurship” authorized by Duke University and offered through Coursera (27/05/2020)

- Online certification on “AI For Everyone” authorized by deeplearning.ai and offered through Coursera (21/05/2020)
- Online certification on “Global Environmental Management” authorized by Technical University of Denmark (DTU) and offered through Coursera (19/05/2020)

Areas of Interest

- Environmental Engineering
- Greywater Treatment – Emerging Contaminants
- Artificial Neural Network Modelling