

Ms. Babitha Peter

✉ babithapeter@icet.ac.in

🌐 <https://www.icet.ac.in/faculties/1/staff-profile>



Employment History

- Aug 2024-..... Associate Professor, Department of CE, ICET
- July 2014 - **Assistant Professor**, Department of Civil Engineering, Ilahia College of Engineering and Technology
- Sep 2012 – March 2013 **Project Commissioner**, Jalanidhi Project (Kerala Rural Water Supply and Sanitation Agency)

Education

- 2010 – 2012 **Post Graduation, Calicut University: M.Tech in Water Resources and Hydroinformatics**
Thesis title: *Land use change in Keecheri watershed*
- 2006 – 2010 **Under Graduation, Mahatma Gandhi University: B.Tech in Civil Engineering.**
Project title: *Desalination plant at Vypin.*

Research Publications

Journal Articles

- 1 T. S. Anju, T. P. Abin, S. A. Pillai, M. Ebrahim, and B. Peter, "Siesmic retrofitting of reinforced concrete structures," *International Research Journal of Engineering and Technology*, vol. 6, no. 5, p. 5845, 2019.
- 2 Swaleel, Falahi, A. P. Beeran, F. K. R, M. S. V. S, and B. Peter, "Comparitive study on deflouridation of water using leca balls and natural bioabsorbents," *International Research Journal of Engineering and Technology*, vol. 8, no. 5, p. 943, 2019.

Skills


- Languages **Strong reading, writing and speaking competencies for English, Malayalam**
- Software **AUTOCAD, STAAD, Primavera, Arc GIS, Map window, ILWIS, QGIS ...**

Miscellaneous Experience

Awards and Achievements

- 2018 **Academic Excellence Award**, Illahia college of Engineering and Technology, Muvattupuzha
- 2017 **Academic Excellence Award**, Illahia college of Engineering and Technology, Muvattupuzha
- 2016 **Academic Excellence Award**, Illahia college of Engineering and Technology, Muvattupuzha


Miscellaneous Experience (continued)


2011  **Won prize in paper presentation on National Conference C-con'**, IES Engg. College, Thrissur.

Certification/Affiliation

2023 Jan– 2023 Mar  **Certification. NPTEL: Natural Hazards.**

Seminars


22 May 2020  **NAAC Accreditation for Affiliated Colleges**, St. Thomas College, Thrissur.


 **Current Trends and Requirements in Civil Engineering Industry**, Department of Civil Engineering, ICET.

FDP


16 Jan 2019 - 20 Jan 2019  **Disaster Management**, Adi Shankara Institute of Engineering and Technology

25 May 2020 - 29 May 2020  **Moodle Learning Management System**, Spoken Tutorial Project, IIT Bombay


24 Feb 2021 - 26 Feb 2021  **Innovations In Low Cost Construction Technologies**, KTU - Department of Civil Engineering, Rajadhani Institute of Science and Technology, Palakkad

15 Mar 2021 - 19 Mar 2021  **Forensics in Structural and Geotechnical Engineering**, APJ Abdul Kalam Technological University sponsored online Faculty Development Program

19 Apr 2021 - 23 Apr 2021  **Emerging Trends in Structural Health Monitoring Procedures**, KTU - Department of Civil Engineering, Toc H Institute of Science and Technology, Arakkunnam

08 Jul 2021 - 10 Jul 2021  **Material Testing and Characterization - Destructive and Non-Destructive Approache**, Department of Civil Engineering, Government Engineering College sKozhikode and sponsored by TEQIP Phase – II

04 Oct 2021 - 08 Oct 2021  **Inculcating Universal Human Values in Technical Education**, All India Council for Technical Education(AICTE)

06 Jun 2022 - 11 Jun 2022  **Emerging trends in construction management**, Toc-H institute of technology

06 Mar 2023 - 10 Mar 2023  **Sustainable Repair and Rehabilitation of Constructed Facilities**, Vellore Institute of Technology, Chennai

Miscellaneous Experience (continued)

Workshops

- 28 Apr 2020 ■ **National Innovation and Startup Policy for Students and Faculty 2019 - A Guiding Framework for HEIs for Implementation**, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.
- 29 Apr 2020 ■ **Role and Importance of Pre-Incubators, Incubators and Accelerators in HEIs - Harnessing Innovation and Entrepreneurial Potential of Students and Faculties at Early Stage**, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.
- 30 Apr 2020 ■ **Hangout with Emerging Innovator**, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.
- 04 May 2020 ■ **Role of Network Enablers**, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.
- 05 May 2020 ■ **Hangout with Successful Startup Founder**, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.
- 06 May 2020 ■ **Entrepreneurship, Business Idea and Business Model Canvas**, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.
- 07 May 2020 ■ **How to Identify Right Problem and Solution using the Double Diamond Approach in Design**, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.
- 08 May 2020 ■ **Intellectual Property (IP) Management at Early Stage of Innovation and Start-ups**, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.
- 09 May 2020 ■ **Understanding Angel and Venture Capital Funding - What is there for Early Stage innovator**, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.
- 11 May 2020 ■ **Legal and Ethical Steps - Productive Entrepreneurship and Startup**, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.
- 12 May 2020 ■ **Innovating Self- Screen and Identify right opportunities**, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.
- 13 May 2020 ■ **Understanding Role and Application of Marketing Research at Idea to Start up Stage - Foundation Level**, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.
- 14 May 2020 ■ **Innovation Risk Diagnostic "Product Innovation Rubric(PIR)**, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.
- 18 May 2020 ■ **Idea, Entrepreneurship Opportunities, Business Model and Business Plan**, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.
- 22 May 2020 ■ **Use of Market Data and Application of Marketing Research Tools and Methodology - Increasing Chances of Survivality of Innovation and Venture - Advance Level**, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.

Conferences

- 23 Feb 2011 - 25 Feb 2011 ■ **Materials for the Future, ICMF 2011**, GEC Thrissur.

Miscellaneous Experience (continued)

- 25 Aug 2011 - 27 Aug 2011 **Seventh Kerala Environmental Congress**, Centre for Environment and Development, Trivandrum.
- 25 Mar 2011 - 26 Mar 2011 **National Level Technical Competition, C CON 2011**, IES College of Engineering, Thrissur.
- 09 Feb 2012 - 10 Feb 2012 **Second National Technological Congress ,Kerala, NATCON 2012**, GEC Thrissur.
- 05 Jul 2012 - 07 Jul 2012 **Landuse Change Analysis on Keecheri River Watershed**, GEC Thrissur.

Online Certificate Programs

- 2020 **Smart Cities– Management of Smart Urban Infrastructures**, École Polytechnique Fédérale de Lausanne
- Project Management: The Basics for Success**, University of California, Irvine
- Writing and Editing: Drafting**, University of Michigan,
- AI For Everyone**, Stanford University
- Writing and Editing: Revisi**, University of Michigan
- Grammar and Punctuation**, University of California, Irvine
- Writing and Editing: Word Choice and Word Order**, University of Michigan
- How to Write a Resume, The State** University of New York
- Electric Power Systems**, University at Buffalo, The State University of New York
- Our Earth's Future**, American Museum of Natural History
- Introduction to Thermodynamics: Transferring Energy from Here to There**, University of Michigan
- Electric Utilities Fundamentals and Future**, University of Colorado
- Water Resources Management and Policy**, University of Geneva
- Air Pollution – a Global Threat to our Health**, University of Copenhagen, Coursera Project Network
- Create Customer Support Data with Google Sheets**, Coursera Project Network
- Create Informative Presentations with Google Slides**, Coursera Project Network
- Building Digital Media using Graphic Design in Google Slides**, Coursera Project Network
- Create a Resume and Cover Letter with Google Docs**, Coursera Project Network
- Introduction to Project Management**, Coursera Project Network
- Improve Business Performance with Google Forms**, Coursera Project Network
- Introduction to Indoor Air Quality**, The Hong Kong University of Science and Technology
- Climate Change and Water in Mountains: A Global Concern**, University of Geneva

Miscellaneous Experience (continued)

- **Spreadsheets for Beginners using Google Sheets**, Coursera Project Network
- **Introduction to Google Docs**, Coursera Project Network
- **Introduction to Environmental Law and Policy**, The University of North Carolina at Chapel Hill
- **Our Earth: Its Climate, History, and Processes**, University of Manchester
- **Introduction to Household Water Treatment and Safe Storage**, École Polytechnique Fédérale de Lausanne
- **Sustainable Tourism – promoting environmental public health**, University of Copenhagen
- **Energy: The Enterprise**, University at Buffalo, The State University of New York
- **Renewable Energy and Green Building Entrepreneurship**, Duke University
- **Wood Science: Beyond Building**, West Virginia University
- **MOOC and Blended Learning**, Tsinghua University
- **Municipal Solid Waste Management in Developing Countries**, École Polytechnique Fédérale de Lausanne
- **Build Your First React Website**, Coursera Project Network
- **Discounted Cash Flow Modeling**, Coursera Project Network
- **Improving Math Engagement with Prodigy**, Coursera Project Network
- **Creating an Interactive Story with Flutter**, Coursera Project Network
- **Use Survey Monkey to Create a Survey and Analyze Results**, Coursera Project Network
- **Build Your First React Website (Part II)**, Coursera Project Network
- **Create a Budget with Google Sheets**, Coursera Project Network
- **BMC and Start-up Funding for Early-Stage Startups**, Coursera Project Network
- **Create Charts and Dashboard using Google Sheets**, Coursera Project Network
- **Using Google Forms for Student Success**, Coursera Project Network
- **Building a Business Presence With Facebook Marketing**, Coursera Project Network
- **Project Management: Creating the WBS**, Coursera Project Network
- **Business Analysis**, Coursera Project Network
- **The Product Lifecycle: A Guide from start to finish**, Coursera Project Network
- **Create a Profile and Network on LinkedIn**, Coursera Project Network
- **Introduction to Cost Accounting**, Coursera Project Network
- **Introduction to Project Management with ClickUp**, Coursera Project Network
- **Compare Stock Returns with Google Sheets**, Coursera Project Network

Miscellaneous Experience (continued)

- **Build a mobile app with Google Sheets on Glide and no coding**, Coursera Project Network
- **New Product Development For Small Businesses and Start-Ups**, Coursera Project Network
- **Business Operations Support in Google Sheets**, Coursera Project Network
- **Encouraging Student Growth with Teach Your Monster to Read**, Coursera Project Network
- **Create Employee Management System with When I Work**, Coursera Project Network
- **Set up Google Analytics for a single page website**, Coursera Project Network
- **A Start Guide: Product Marketing Using G Suite**, Coursera Project Network
- **Creating a Student Profile in Google Docs**, Coursera Project Network
- **Statistical Forecasting Techniques in Google Sheets**, Coursera Project Network
- **Introduction to Business Analysis Using Spreadsheets: Basics**, Coursera Project Network
- **Create a Financial Statement using Google Sheets**, Coursera Project Network
- **Strategically Build and Engage Your Network on LinkedIn**, Coursera Project Network
- **Gmail: The Foundation To Accessing Google Apps**, Coursera Project Network
- **Analyzing Market Attractiveness Using Creately**, Coursera Project Network
- **Build a Budget and Analyze Variance using Google Sheets**, Coursera Project Network
- **Analysis of Variance with ANOVA in Google Sheets**, Coursera Project Network
- **Increase Student Buy in with Google Slides**, Coursera Project Network
- **Evaluate Profit Margins with VLOOKUP in Google Sheets**, Coursera Project Network
- **Digging Deeper into Audience Reports in Google Analytics**, Coursera Project Network
- **Getting Started with Google Classroom**, Coursera Project Network
- **Analyze Website Visitors with Google Analytics Segments**, Coursera Project Network
- **Implementing Parent Feedback with Google Forms**, Coursera Project Network
- **Create and Format a Basic Document with LibreOffice Writer**, Coursera Project Network
- **Intro to Scheduling with When I Work**, Coursera Project Network

Miscellaneous Experience (continued)

- **Build a film club web app on Google AppEngine**, Coursera Project Network
- **Draw Insights with Crosstabs Reports in Google Sheets** Coursera Project Network
- **Building a Hiring Plan by Analyzing Past Data in Sheets**, Coursera Project Network
- **Leverage Google Finance Functions in Google Sheets**, Coursera Project Network
- **Custom Reports in Google Analytics**, Coursera Project Network
- **Create a Project Charter with Google Docs**, Coursera Project Network
- **Conduct Sales Projections with Seasonality in Google Sheets**, Coursera Project Network,
- **Building Candlestick Charts with Google Sheets**, Coursera Project Network
- **Impute Data to Forecast Demand in Google Sheets**, Coursera Project Network
- **Using Covid-19 Data to Make Supply Chain Logistics Decisions in Spreadsheets**, Coursera Project Network,
- **Predict Sales and Forecast Trends in Google Sheets**, Coursera Project Network
- **Create a Simple Project Timeline in Google Sheets**, Coursera Project Network
- **Investment Risk Management**, Coursera Project Network
- **Create a Simple Gantt Chart using Google Sheets**, Coursera Project Network
- **Develop a Company Website with Wix**, Coursera Project Network
- **Using Google Forms to Analyze User Research Data**, Coursera Project Network
- **Building Custom Regional Reports with Google Analytics**, Coursera Project Network
- **Google Ads for Beginners**, Coursera Project Network
- **Getting Started in Google Analytics**, Coursera Project Network
- **Create a Virtual Classroom using Google Slides**, Coursera Project Network

Duties/Responsibilities

2022

- **PTA Executive Committee Member**
- **Mentor 2022-26 Civil batch**
- **Internal examination cell member**
- **SC/ST grievance cell coordinator**