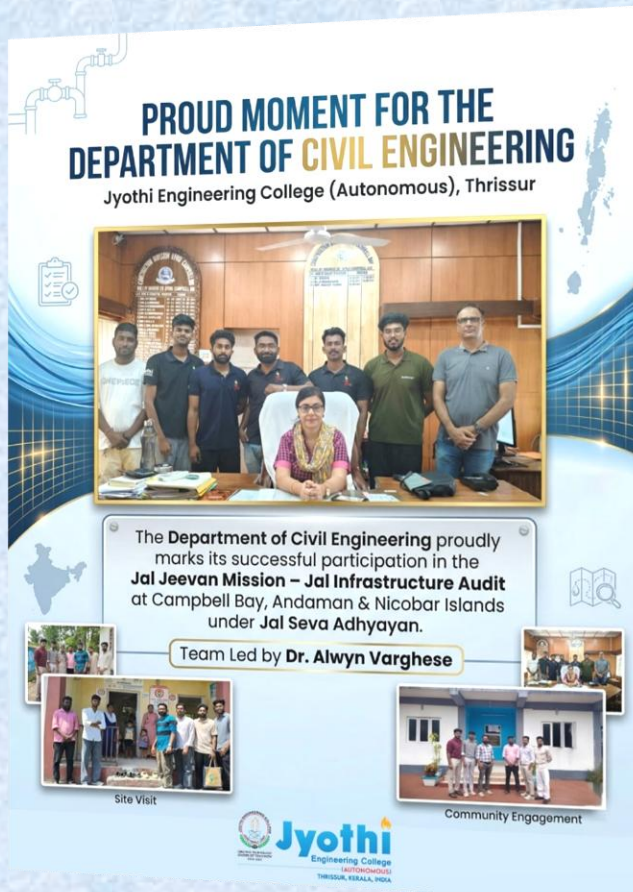




COLLEGE VISION

Creating eminent and ethical leaders through quality professional education with an emphasis on holistic excellence.

COLLEGE MISSION

- To emerge as an institution par excellence of global standards by imparting quality engineering and other professional programmes with state-of-the-art facilities.
- To equip the students with appropriate skills for a meaningful career in the global scenario.
- To inculcate ethical values among students and ignite their passion for holistic excellence through social initiatives.
- To participate in the development of society through technology incubation, entrepreneurship and industry interaction.

DEPARTMENT VISION

To emerge as a Centre of Excellence in Civil Engineering through quality professional education and to create eminent leaders with values committed to the profession and society.

DEPARTMENT MISSION

- To impart state of the art education and to provide industry exposure to students
- To create civil engineers who successfully adapts and innovates solutions for the built environment
- To inspire and transform the students to hardcore professionals and academicians with ethical values.

PROGRAMME EDUCATIONAL OBJECTIVES

The program educational objectives of B. Tech in Civil Engineering is:

- Graduates will have concrete knowledge in the application of necessary mathematical tools, scientific theories and modern developments in civil engineering. Graduates will understand the societal needs and will be committed in developing optimal solutions.
- Graduates will pursue higher education, research or entrepreneurship apart from being employable.
- Graduates will be competent to face challenges in civil engineering through lifelong learning process and will have high ethical values, honesty and a sense of responsibility

PROGRAMME SPECIFIC OUTCOMES

- Acquire the ability to plan, furnish and/or analyse designs and implement infrastructure related systems, produce related documents, drawings and reports, and quantity estimates, related to civil engineering domain.
- Apply theoretical concepts and technical skills in developing appropriate sustainable solutions through self - learning, research and teamwork for technical problems requiring civil engineering interventions towards a better quality of life.
- Utilise the acquired knowledge in Environmental Engineering and Transportation Engineering to conceptualise, analyse, evaluate specific problems in Water Quality Management, Sanitation, Pavement Design, Traffic Engineering and Transportation Planning and develop appropriate solutions.

Department Activities

Industrial & Educational Visits

- An industrial visit to **Vizhinjam International Seaport & Harbour**, Thiruvananthapuram, welcomed **11 S8 B. Tech, 24 S6 B. Tech, and 5 S4 M. Tech students**.



- An educational visit to the **Painkulam Aqueduct, Thrissur** was organized for S6 and S8 Civil Engineering students

Technical Events — Tharang'26

The department's flagship technical fest returned with a full lineup: a **Pre-Tharang Technical Talk and Technical Workshop**, a **Technical Quiz**, **Civil Expo**, **Game Station**, **Celebrity Talk**, and **Filmtakies**.



Workshops & Outreach

- Two **Water Quality & Sanitation Workshops** were conducted under **Unnat Bharat Abhiyan**, in association with Kerala Agricultural University and CWRE.
- The **Quiz for Clean Kerala — State-wide Water Quality & Sanitation Challenge** was organized with UBA, ISTE, and NSS.
- An outreach programme at the **Southern Regional Agricultural Fair (SRAF 2026)** engaged around **50 students**.

Value Added Programmes

- A **Three-Day Value-Added Course on AutoCAD** was conducted for the **2025–2029 B. Tech Civil Engineering batch** (22–24 June 2026)



Department Initiatives

- Signed a **Memorandum of Understanding (MoU)** with **S & R Consultants, Kochi**, to strengthen industry–academia collaboration.
- Convened the **Department Advisory Committee Meeting** on **29 June 2026**.
- **Online Five-Day Faculty Development Programme** titled "**Integrated Green Construction and Life Cycle Assessment – IGBC Practices to High-Impact Research**," organized by the Department of Civil Engineering, Jyothi Engineering College (Autonomous), Thrissur, in association with the Indian Concrete Institute, from **20th–24th April 2026**.



Student Achievements

Innovation & Young Innovators Programme (YIP)

- Nithin P. N., Vinaya K. H., and Vishak Subramanian were selected as District Winners, advanced to State Level YIP 8.0 at St. Thomas College, Thrissur, and went on to become State Level Winners of YIP 8.0 (Category 2-4).
- Bastin K. T., Akhil Baiju John, Ujwal Krishna V., Anseena Paul, Anjali A. K., Vishak Subramanian, Nithin P. N., and Vinaya K. H. were named Preliminary Winners of YIP 8.0, conducted by K-DISC.

Project Expo & Competitions

- Nithin P. N., Vinaya K. H., and Vishak Subramanian won First Position and the People's Choice Award at Yukthi 2026 Project Expo.



- Krishnapriya, Kurian Andrews, and Benito Kollannur presented Hybrid Eco-Panel at the Times of India-NICMAR University Hackathon (City Finale).
- Bastin K. T., Anseena Paul, Kuriyan Andrews, Kiran M. B., Krishnapriya V., Shibil Vazeem, and Benito Kollannur took part in the PALS Think 2 Impact Industry Problem Solving Workshop.

National Programmes

- Abhith Sudheer V. S., Abhiraj N. B., Nithin P. N., and Muhammed Kalfan joined the Jal Jeevan Mission – Jal Infrastructure Audit at Campbell Bay, Andaman & Nicobar Islands.
- Adithya T. J., Vishak Subramanian, Areena P., and Saikrishnan K. P. joined the same audit programme at Erode, Tamil Nadu.
- Anna Rose, Ardra R, Celin Rose A. B., Devika M. J., Jesvin K. Joy, Merin Joy P., Midhil M. R., Sona Sunny, Aleena P. Sunny, and Malavika T. M. of S4 successfully completed NPTEL course

Innovation & Research

- Bastin K. T. presented a research paper at the International Conference on Sustainable Practices and Materials in Civil Engineering (SPMCE 2026), NIT Jamshedpur.
- Ms. Medha K. R. completed the NPTEL course *Air Pollution and Control*, offered by IIT Roorkee.

Student Internships

B. Tech S2 Internships

- Athulya K. M. – PWD Building Section, Chavakkad.
- Karthik M. S. – Kairali Builders, Akkikavu.
- Josna K. J. – PWD Building Section, Wadakkanchery.
- Anagha Suresh – PWD Building Section, Wadakkanchery.
- V. H. Hasina – PWD Building Section, Wadakkanchery.
- Abhishek M. Naik – Kairali Builders, Akkikavu.
- Prinjo Joju N. – Kairali Builders, Akkikavu.

- **Ashwath Krishna C.** – Kairali Builders, Akkikavu.
- **Adwaith C.** – Kairali Builders, Akkikavu.
- **Hridya R.** – KWA PH Sub Division, Guruvayur.
- **Bhavya Bijith** – KWA PH Sub Division, Guruvayur.
- **Austia Ittop** – KWA PH Sub Division, Guruvayur.

B.Tech S4 Internships

- **Anna Rose** – Rahul Construction, Thrissur.
- **Ahalya Krishna K.** – District Nirmithi Kendra, Palakkad.
- **Athira K. S.** – Navabhavan Constructions, Thrissur.
- **Malavika T. M.** – Navabhavan Constructions, Thrissur.
- **Ardra R.** – Shoranur Municipality.
- **Sona Sunny** – Rahul Construction, Thrissur.
- **Merin Joy P.** – Vishraam Builders, Thrissur.

B.Tech S6 Internships

- **Benito Kollannur** – LID & EW Division, Thrissur.
- **Bastin K. T.** – LID & EW Division, Thrissur.
- **Akhil Baiju John** – LID & EW Division, Thrissur.
- **Seethal Sebastian C.** – LID & EW Division, Thrissur.

- **Kuriyan Andrews** – LID & EW Division, Thrissur.
- **Anjali A. K.** – LID & EW Division, Thrissur.

M. Tech Internship

- **Medhaa K. R.** – Indian Institute of Technology Palakkad.

Faculty Achievements & Activities

Research Publications

- **Ms. Anju M. J. and Dr. Alwyn Varghese** co-published "*Enhancing the Strength of Geopolymer Composites Synthesized from Iron Ore Tailings and Fly Ash for Use as Subgrade Material in Pavement Construction*" in the *Journal of Pavement Research and Technology*.
- **Ms. Neeraja P. G. and Dr. Alwyn Varghese** co-published "*Synergetic Use of Ground Granulated Blast Furnace Slag and Sugarcane Bagasse Ash to Develop Green Concrete*" in *Research on Engineering Structures and Materials*.
- **Ms. Archana S.** published "*Speeding and Calming Characteristics and Speed Prediction Based on Spatiotemporal Traffic Data*" (Springer, Scopus-indexed) in *Lecture Notes in Civil Engineering*.

- **Dr. Alwyn Varghese, Ms. Soorya M. Nair, Ms. Neeraja P. G., Mr. Suhas Nair S., and Ms. Anju M. J.** co-authored "*Integrating Historical and Current Data to Develop a Flood Vulnerability Map for Palakkad District, Kerala*," published in *Lecture Notes in Civil Engineering (LNCE, Volume 818)*.

Journal Reviewing & Editorial Contributions

- **Ms. Jisha Akkara** was appointed **Reviewer** for *Transportation Engineering Part A: Systems* (Q2, SCIE).
- **Ms. Soorya M. Nair** received the **Certificate of Excellence in Reviewing** from the *Journal of Materials Science Research and Reviews*, along with appreciation from the **Institution of Civil Engineers (ICE)** for reviewing for *Forensic Engineering*, and recognition from both *Scientific Reports* and *Discover Applied Sciences* for manuscript reviews.

Awards & Recognitions

- **Ms. Archana S.** guided the **First Position**–winning project and also received the **People's Choice Award** at **Yukthi 2026 Project Expo**.
- **Mr. Suhas Nair S.** guided the project placed **Second**, and **Dr. Alwyn Varghese** guided the project placed **Third**, at Yukthi 2026.

- **Dr. Vincy Verghese** obtained **Institution of Engineers (India) Membership (M-1852056)**.

Conference Presentations

- **Ms. Anju M. J. and Dr. Alwyn Varghese** presented "*Experimental Investigation on Iron Ore Tailings and Fly Ash as Pavement Subgrade Material*" at the **National Conference on Advancing Sustainability in Civil Engineering Practices (ASCP'26)**, Thiruvananthapuram.

Faculty Development Programmes, Workshops & Training

- **Ms. Anna Joseph, Dr. Alwyn Varghese, and Ms. Soorya M. Nair** successfully completed the NPTEL course *Effective Engineering Teaching in Practice*.
- **Ms. Archana S.** completed the AICTE ATAL FDP on *Emotional Intelligence & Stress Management*.
- **Sr. Isline Shajan** participated in the webinar "*AI for Beginners*" (Unique World Robotics) and completed a **15-day internship on Primavera P6**.
- **Ms. Neeraja P. G.** attended the FDP on *Data-Driven Intelligence: AI & Machine Learning for Next-Generation IT*

Systems at PCET's NMIET, Pune.

- **Ms. Soorya M. Nair** completed a **Six-Day FDP on Artificial Intelligence in Civil Engineering** at Vidya Academy of Science and Technology.
- **Mr. Suhas Nair S.** completed a **Five-Day Online STTP on Cultivating & Delivering Profession-Ready Expertise for Civil Engineers** and a **Five-Day FDP on BIM & Revit Fundamentals** at Jawaharlal College of Engineering and Technology.
- **Ms. Anna Joseph** attended the AICTE FDP on **Universal Human Values (UHV-II)** at Jyothi Engineering College.
- **Dr. Alwyn Varghese and Mr. Alfred George** attended the **IEDC Startup Summit** organized by Kerala Startup Mission.
- **Ms. Archana S. and Mr. Cyriac M. G.** participated in the **Southern Regional Agricultural Fair (SRAF 2026)**.



Resource Person & Academic Contributions

- **Ms. Anna Joseph and Ms. Jeffy Johny** conducted sessions on **Water Quality Parameters**, and **Mr. Cyriac M. G.** led a session on **Water Quality Issues in Kerala and Its Remedies**, during the Unnat Bharat Abhiyan workshop.

- **Ms. Jisha Akkara** served as **Resource Person** for "*Geo-spatial Intelligence for Sustainable and Resilient Transportation Systems*" at an FDP organized by Sreepathy Institute of Management & Technology, Palakkad.

Professional Activities & Industry Interaction

- **Ms. Anna Joseph** audited NBA accreditation files at **M-Dasan Institute of Technology, Kozhikode**, and served as **Jal Jeevan Mission – Jal Infrastructure Auditor** at Erode, Tamil Nadu.
- **Dr. Alwyn Varghese** served as **Jal Jeevan Mission Auditor** at Campbell Bay, Andaman & Nicobar Islands, and participated in the **Water Quality & Sanitation Workshop** under Unnat Bharat Abhiyan.
- **Ms. Archana S., Ms. Jisha Akkara, and Mr. Alfred George** visited **Vizhinjam International Seaport & Harbour**, Thiruvananthapuram.
- **Dr. Alwyn Varghese** attended the webinar "*Ethical Use of AI*" by Cactus Communications (Editage).
- **Mr. Suhas Nair S. and Dr. Alwyn Varghese** visited the **Thrissur District Civil Engineers Green Construction Co-operative Society (TECS)**

Placement Highlights

Department of Civil Engineering
B.TECH S8 CIVIL TOPPERS





JIYA JOHNSON
9.76



ANLIYA A. T.
9.59



ABHITH SUDHEER V. S.
9.03



ANNMARIYA K. J.
8.91



VISHAK SUBRAMANIAN
8.68



NITHIN P. N.
8.59

Congratulations



DEPARTMENT OF CIVIL ENGINEERING



Jyothi Engineering College
(AUTONOMOUS)
THRISSUR, KERALA, INDIA

★ ★ *Hearty Congratulations* ★ ★
for the outstanding performance in
S8 KTU UNIVERSITY EXAM

93.10%

PASS PERCENTAGE

Your hard work, dedication and teamwork have made us proud!
Keep Building a Stronger Tomorrow!

CE 2022 - 26 BATCH

Jyothi Engineering College



Batch 2022-2026

Program Outcomes

- **PO1: Engineering Knowledge** – Apply math, science, and engineering fundamentals.
- **PO2: Problem Analysis** – Identify, formulate, and analyze complex engineering problems.
- **PO3: Design/Development of Solutions** – Design solutions for complex problems with safety/environmental focus.
- **PO4: Conduct Investigations of Complex Problems** – Research, model, and analyze data to find valid findings.
- **PO5: Engineering Tool Usage** – Select and apply modern engineering and IT tools.
- **PO6: The Engineer and the World** – Assess economic, societal, health, and legal impacts.
- **PO7: Ethics** – Apply ethical principles and commit to professional responsibilities.
- **PO8: Individual and Collaborative Team Work** – Function effectively alone or as a team/leader.
- **PO9: Communication** – Write reports, make presentations, and give/receive instructions clearly.
- **PO10: Project Management and Finance** – Apply management principles and economic decision-making.
- **PO11: Life-Long Learning** – Engage in independent, lifelong learning amidst technological change