GOVERNMENT ENGINEERING COLLEGE BARTON HILL THIRUVANANTHAPURAM

TRANSLATIONAL RESEARCH & PROFESSIONAL LEADERSHIP CENTRE (TPLC)

&

DEPARTMENT OF INFORMATION TECHNOLOGY

NATIONAL SEMINAR

CITYMIRROR 2026

DIGITAL TWINS FOR FUTURE READY URBAN DEVELOPMENT

13-02-2026 & 14-02-2026

Venue: Hotel Dimora, Thiruvananthapuram

Sponsored by

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Directorate of Technical Education Kerala

Academic Support

Industry Partners

Avakaza Geoscience Research Technologies

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IIT Delhi

Centre for Water Resources Hydroinformatics Lab TKMCE

Welcome to CITYMIRROR 2026

CityMirror 2026 is a two-day National Seminar designed as a collaborative platform for reimagining the future of urban development through the lens of Digital Twin technologies. Organized by the Translational Research and Professional Leadership Centre (TPLC) & Department of Information Technology of Government Engineering College, Barton Hill (GECBH) in association with leading academic institutions (IIT Delhi, Centre of Water Resources, Hydroinformatics Lab, TKM College of Engineering Kollam) and industry partners (AGSRT, Smart City Thiruvananthapuram & BIMCafe Kochi), this seminar brings together researchers, practitioners, policymakers, and students to engage in meaningful dialogue on building smarter, more resilient, and sustainable cities. Through expert talks, thematic sessions, and interactive discussions, CityMirror 2026 aims to bridge theory and practice by showcasing how integrated digital twins—combining geospatial intelligence, data-driven modeling, and simulation—can support informed urban decision-making and future-ready governance.

About TPLC

The Translational Research and Professional Leadership Centre (TPLC), GECBH, successfully completed 10 years of experience, is an interdisciplinary hub dedicated to fostering innovation, strengthening industry—academia collaboration, and promoting professional excellence. TPLC drives translational research that bridges theoretical knowledge with real-world applications, empowering students, researchers, and professionals to address complex societal and technological challenges. Through workshops, seminars, research collaborations, and strategic partnerships with academic and industry stakeholders, TPLC cultivates leadership, creativity, and impactful solutions that contribute to sustainable development and future-ready skill building. The Centre has established Memoranda of Understanding (MoUs) with premier institutions and organizations including IIT Madras, IIT Palakkad, Smart City Thiruvananthapuram, AGSRT, ANERT and BIMCafe, strengthening collaborative research and industry engagement. Recently, a patent was granted to TPLC for a Weed Collector System, developed through translational research, demonstrating the Centre's commitment to converting innovative ideas into impactful, real-world solutions.

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- Free participation for 5 delegates
- Details will be displayed in main event hall
- 1 stall

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- 1 stall

Guest of Honor

Dr Sharmila Mary Joseph IAS
Principal Secretary, Dept. of Higher Education

Patron

Dr Jayaprakash P
Director of Technical Education

Keynote Speaker

Dr Manabendra Saharia
Associate Professor, IIT Delhi

(Geospatial AI & Digital Twins in Disaster Management)

City scale digital twins

Dr Sudhipan Saha
Asst.Professor
IIT Delhi

Climate Action & Sustainability

Dr A. Keshari
Professor
IIT Delhi

Dr Salghuna N. N.
Academic Director
ASSRG

Governance, Policy & Community Management

Prof Arathy Nair G. R.
Asst. Professor
TPLC, GECBH

Jake J Jacob
Head, ULTS

Innovation & the Road Ahead

Dr Prashantha H. S.
Professor CS, Atria University
Banglore

Dr Babu J. Alappat
Professor
IIT Delhi

Special address

Shri Rahul Krishna Sharma IAS
CEO Smart City Thiruvananthapuram

Infrastructure & Environmental Systems

Dr Sagi Rathna Prasad
Asst.Professor
IIT Palakkad

Dr Adarsh S.
Professor & Head
TKMCE

Smart Transportation& Urban Analytics

Dr Thushara V. T.
Asst. Professor
CET

Shri Murali L. S.
Deputy Consultant
KIIFB

AI- Decision Support

Shri Mithun S.
Founder
AGSRT

Dr Ajith Gopi
Founder & CEO
Zonergia Services
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CityMirror 2026 Sessions

OUR RESOURCE PERSONS

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Asst. Professor , CET

Prof Arathy Nair G. R.
Asst. Professor , TPLC, GECBH

Who can apply?

- Faculty Members
- Urban planners & Policy Makers
- Industry Professionals
- Government & Municipal Officials
- UG & PG Students
- Research Scholars

How to apply?

Registration Fee Details

- Working Professionals: Rs.2000/-
- Faculty: Rs.1000/-
- Start-up Exhibition: Rs.1000/- per head
- Students & Research Scholars: Rs.750/-

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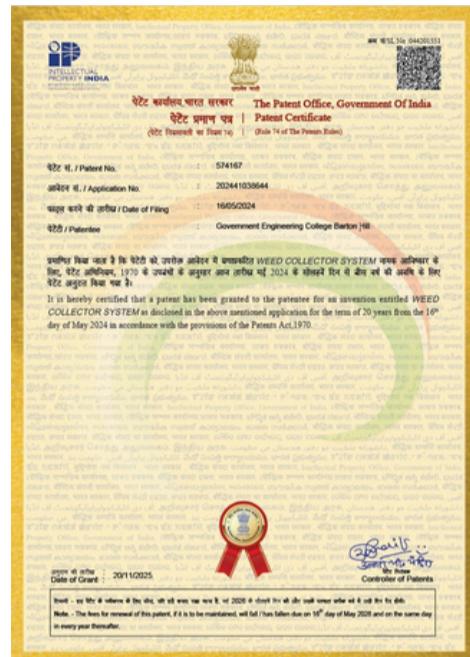
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PATRONS

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Dr Jayaprakash P.
Director of Technical Education

Dr Babu J Alappat
Professor, Dept. of Civil Engineering, IIT Delhi
& BOG Chairman, GECBH

Shri Midhun S.
Founder, AGSRT

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Dr Deepthi Sasidharan
HOD & Associate Professor, Dept. of IT

Prof Arathy Nair G. R.
Assistant Professor, TPLC

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Associate Professor (EEE), GECBH

Smt Deepthi M. I.
Administrative Assistant, GECBH

Smt Sruthi S. M.
Project manager, TPLC

Footprints of Progress – TPLC 2025

Patent Granted for "EZY Weed Collector"- Patent No. : 574167

TPLC has been granted a patent for a Weed Collector System developed through translational research. The innovative system is designed for sustainable removal of invasive weeds from canals, lakes, and urban drainage systems, minimising ecological impact.

MoU signed with AGSRT

MoU signed with BIMCafe

MoU signed with IIT Palakkad

Training programme conducted on " Getting Started with AI: Practical Tools for Government Officials"

Footprints of Progress – TPLC 2025

Hosted International Colloquium on Translational Engineering and Research 2025- ICTER 2025

MoU signed with IIT Palakkad

Engineering Internship Programme 2025: GIS, Remote Sensing & IoT Applications for Smart Cities (16th–28th June 2025)

One-Day Workshop on "Digital Twins and Geospatial Intelligence for Smarter Cities"

Alumini Spotlight

- **Anagha (2021–2023)** – Pursuing PhD in Construction Engineering, IIT Delhi
- **Anavadya (2021–2023)** – PhD Scholar in Civil Engineering, IIT Palakkad
- **Aiswarya P.B. (2022–2024)** – PhD at ATU, Ireland, Marie Curie Fellow
- **Noora (2021–2023)** – PhD in Hydroclimatology, IIT Palakkad
- **Ardra S. Nair (2016–2018)** – Co-founder, Ecoloop 360, BIRAC SPARSH Fellow
- **Aiswarya S. & Manjusree U. (ongoing batch)**- Doing a project with International Collaboration at IIT Madras

Venue

HOTEL DIMORA THIRUVANANTHAPURAM

Nearby Attractions

Trivandrum is a vibrant city that blends rich cultural heritage with modernity. Nestled along the Arabian Sea, it is known for its pristine beaches, lush greenery, and historical landmarks. Trivandrum is famous for its scenic landscapes, historical significance, and technological advancements.

SREE PADMANABHA SWAMI TEMPLE
The temple is dedicated to Lord Vishnu. Known for its stunning architecture and immense wealth, it is one of the richest temples in the world.

NAPIER MUSEUM & ZOO
The Zoological Park in Thiruvananthapuram houses diverse animals, the Napier Museum displays art and historical artifacts of Kerala.

KOVALAM
Kovalam is a popular beach destination near Thiruvananthapuram, Kerala, known for its picturesque beaches, clear waters, and vibrant tourism.

PONMUDI
Ponmudi is a hill station near Thiruvananthapuram, known for its scenic beauty and cool climate. .

VIZHINJAM INTERNATIONAL SEAPORT
izhinjam Port is a deep-water transshipment port near Thiruvananthapuram, developed to handle large container ships and strengthen India's maritime trade.

AZHIMALA SHIVA TEMPLE
Azhimala Shiva Temple is a seaside temple near Thiruvananthapuram, famous for its giant Adiyogi Shiva statue.