

**DIRECTORATE OF TECHNICAL EDUCATION**

**GOVERNMENT ENGINEERING COLLEGE BARTON HILL  
THIRUVANANTHAPURAM**

**TRANSLATIONAL RESEARCH & PROFESSIONAL LEADERSHIP CENTRE (TPLC)  
&**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**CITYMIRROR 2026**

# **Translational Innovation Showcase**

***Parallel Exhibition @ CityMirror 2026***

***Digital Twins for Future-Ready Urban Development***

## **WHO CAN PARTICIPATE**

**B.Tech | M.Tech | Ph.D. Students**

**Up to 2 students per project (single registration)**

## **WHAT TO EXHIBIT**

- ✓ Working Models**
- ✓ Prototypes**
- ✓ Translational Research Projects**
- ✓ Tools, Simulations & Demonstrations**

**₹1000 per project (covers 2 students)**

**REGISTER HERE**

**EVENT DETAILS**



**13 & 14 FEBRUARY 2026**

**HOTEL DIMORA, THIRUVANANTHAPURAM**



**DIRECTORATE OF TECHNICAL EDUCATION**

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**DEPARTMENT OF INFORMATION TECHNOLOGY**

**CITYMIRROR 2026**

# **Twin the City: Start-Up Showcase**

***Parallel Exhibition @ CityMirror 2026***

***Digital Twins for Future-Ready Urban Development***

## **Focus Areas**

GIS & Geospatial Technologies

Artificial Intelligence & Machine Learning

Spatial Data Analytics & Visualization

Digital Twins for Cities & Infrastructure

Smart Urban Solutions

Simulation & Decision Support Systems

**SHOWCASE YOUR SOLUTIONS TO A NATIONAL-LEVEL  
ACADEMIC-INDUSTRY AUDIENCE**

 **₹1000 per head**

 **EVENT DETAILS**

 **13 & 14 FEBRUARY 2026**

 **HOTEL DIMORA, THIRUVANANTHAPURAM**

**REGISTER HERE**





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



**DTE KERALA**  
Directorate of Technical Education Kerala

Industry Partners



Avakaza Geoscience  
Research Technologies



SCTL

**BIM cafe**  
LEARNING HUB

Kochi



IIT Delhi



Centre for Water Resources  
Hydroinformatics Lab  
TKMCE

Academic Support



# 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.

## SPONSORSHIPS



**Platinum Sponsor:**  
**Rs.2,00,000/-**

- Video content promotion on main screen
- Free participation for 5 delegates
- Details will be displayed in main event hall
- 1 stall



**Gold Sponsor : Rs.1,00,000/-**

- Video content promotion for two days
- Free participation for 5 delegates
- Details will be displayed in main event hall
- 1 stall



**Silver Sponsor : Rs.50,000/-**

- Video content promotion for one time in one day
- Free participation for 4 delegates
- Details will be displayed in main event hall
- 1 stall



**Bronze Sponsor : Rs.25,000/-**

- Free participation for 2 delegates
- Details will be displayed in main event hall
- 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)*

## Special address



Shri Rahul Krishna Sharma IAS  
CEO Smart City Thiruvananthapuram

### City scale digital twins

Dr Sudhipan Saha  
Asst.Professor  
IIT Delhi

### Infrastructure & Environmental Systems

Dr Sagi Rathna Prasad  
Asst.Professor  
IIT Palakkad

Dr Adarsh S.  
Professor & Head  
TKMCE

### Climate Action & Sustainability

Dr A. Keshari  
Professor  
IIT Delhi

Dr Salghuna N. N.  
Academic Director  
ASSRG

### Smart Transportation & Urban Analytics

Dr Thushara V. T.  
Asst. Professor  
CET

Shri Murali L. S.  
Deputy Consultant  
KIIFB

### Governance, Policy & Community Management

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

Jake J Jacob  
Head, ULTS

### AI- Decision Support

Shri Midhun S.  
Founder  
AGSRT

Dr Ajith Gopi  
Founder & CEO  
Zonergia Services  
Pvt.Ltd

### Innovation & the Road Ahead

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

Dr Babu J. Alappat  
Professor  
IIT Delhi

**CityMirror 2026  
Sessions**



**Dr Babu J. Alappat**  
**Professor, IIT Delhi , BOG Chairman GECBH**



**Dr A. Keshari**  
**Professor, IIT Delhi**



**Shri Midhun S.**  
**Founder, AGSRT**



**Dr Sudhipan Saha**  
**Asst. Professor, IIT Delhi**



**Dr Sagi Rathna Prasad**  
**Asst. Professor, IIT Palakkad**



**Shri Murali L. S.**  
**Deputy Consultant, KIIFB**



**Dr Prashantha H. S.**  
**Professor CS, Atria University**  
**Bangalore**



**Dr Salghuna N. N.**  
**Academic Director, ASSRG**



**Dr Adarsh S.**  
**Professor , TKMCE**



**Dr Ajith Gopi**  
**Founder & CEO, Zonergia Services**  
**Pvt.Ltd**



**Jake J Jacob**  
**Head, ULTS**



**Dr Thushara V. T.**  
**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/-

### REGISTER HERE

<https://forms.gle/swZejeSMy6cvvcXEA>



## Online Payment Details

- **Account No: 6731 4066 447**
- **Account Name: TPLC**
- **SBI Branch: VIKAS BHAVAN**
- **IFSC: SBIN0070415**



### Contact Us

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 [tplc@gecbh.ac.in](mailto:tplc@gecbh.ac.in)

## PATRONS

**Dr Sharmila Mary Joseph IAS**

Principal Secretary, Dept. of Higher Education

**Shri Rahul Krishna Sharma IAS**

CEO, Smart City Thiruvananthapuram

**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

## ORGANISING CHAIR

**Dr Bijulal D.**

Principal (i/c), GEC Barton Hill

## ORGANISING SECRETARIES

**Dr Suja R.**

Professor & Coordinator, TPLC

**Dr Deepthi Sasidharan**

HOD & Associate Professor, Dept. of IT

**Prof Arathy Nair G. R.**

Assistant Professor, TPLC

## ORGANISING COMMITTEE

**Dr Dinesh Gopinath**

Professor (EEE) & Dean Research, GECBH

**Dr Bindu Kumar K.**

Professor (ME) & Dean (UG), GECBH

**Shri Kiran C. J.**

Assistant Professor (CE) GECBH

**Prof Simi Krishna K. R.**

Associate Professor (IT) GECBH

**Dr Haripriya A. P.**

Associate Professor (IT) GECBH

**Dr Rendhir R. Prasad**

Associate Professor (IT) GECBH

**Prof Josna V. R.**

Associate Professor (IT) GECBH

**Prof Minu R. Nath**

Assistant Professor (IT) GECBH

**Prof Letha Kumari R.**

Associate Professor (EEE), GECBH

**Smt Deepthi M. I.**

Administrative Assistant, GECBH

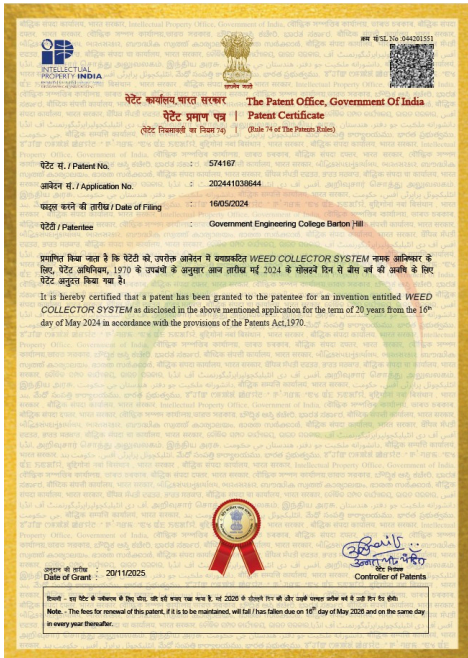
**Smt Sruthi S. M.**

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 – TP1LC 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.*