

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

GOVERNMENT ENGINEERING COLLEGE BARTON HILL  
THIRUVANANTHAPURAM

TRANSLATIONAL RESEARCH & PROFESSIONAL LEADERSHIP CENTRE (TPLC)

&

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

REGISTER HERE



17  
EVENT DETAILS

13 & 14 FEBRUARY 2026

HOTEL DIMORA, THIRUVANANTHAPURAM





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

Academic Support



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.

## 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)*

### City scale digital twins

Dr Sudhipan Saha  
Asst. Professor  
IIT Delhi

### Climate Action & Sustainability

Dr A. Keshari      Dr Salghuna N. N.  
Professor      Academic Director  
IIT Delhi      ASSRG

### Governance, Policy & Community Management

Prof Arathy Nair G. R.      Jake J Jacob  
Asst. Professor      Head, ULTS  
TPLC, GECBH

## 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

**City Mirror 2026  
Sessions**

### Smart Transportation & Urban Analytics

Dr Thushara V. T.      Shri Murali L. S.  
Asst. Professor      Deputy Consultant  
CET      KIIFB

### AI- Decision Support

Shri Midhun S.      Dr Ajith Gopi  
Founder      Founder & CEO  
AGSRT      Zonergia Services  
Pvt.Ltd

### Innovation & the Road Ahead

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

Dr Babu J. Alappat  
Professor  
IIT Delhi

# OUR RESOURCE PERSONS



**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**



**Dr Thushara V. T.**

**Asst. Professor , CET**



**Prof Arathy Nair G. R.**

**Asst. Professor , TPLC, GECBH**



**Jake J Jacob**

**Head, ULTS**

# 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

# 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

Dr Suja R.: (+91)-9995527866

Smt Arathy Nair: (+91)-9947694907

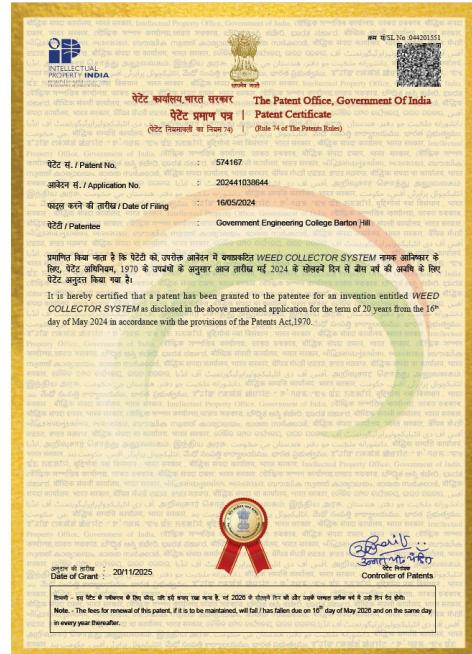
Smt Sruthi S. M.: (+91)-7736136161



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

# 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”**



## Alumni 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**

*Vizhinjam 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.*

