



Certificate course on

## CLIMATE NEUTRALITY- A PATHWAY TOWARDS SUSTAINABILITY

Organized by

**Translational Research and Professional  
Leadership Centre (TPLC),**

Govt. Engineering College Barton Hill  
Thiruvananthapuram

*in association with*

**MathWorks®**



Scan to Register

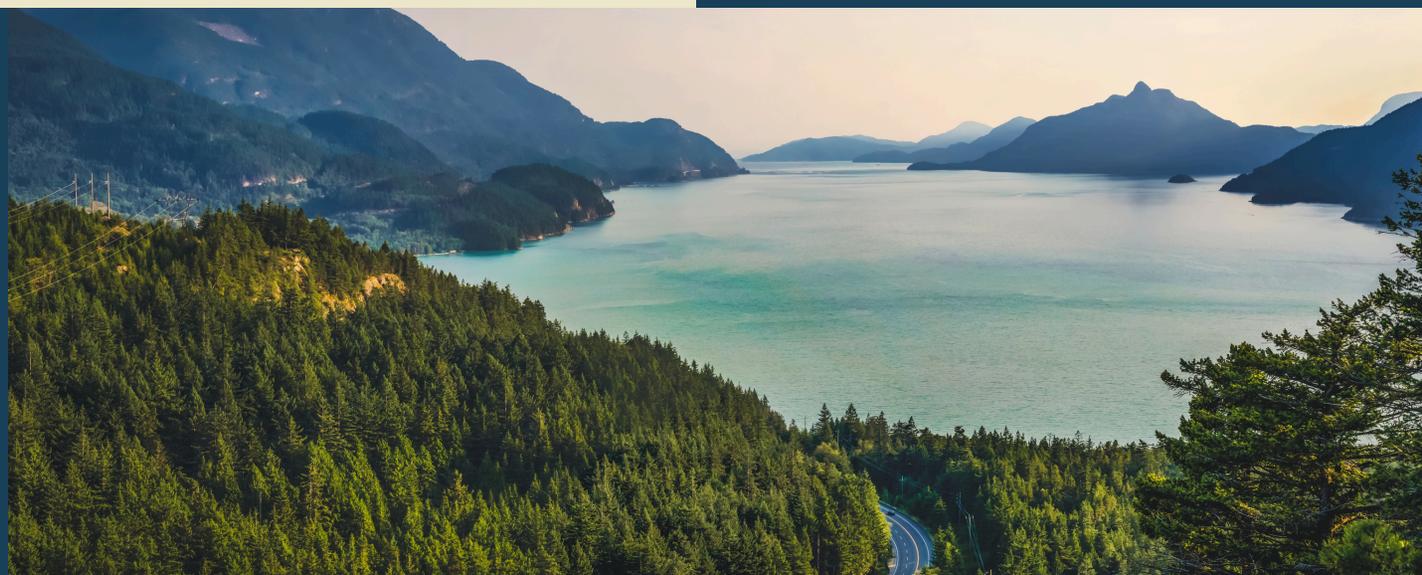
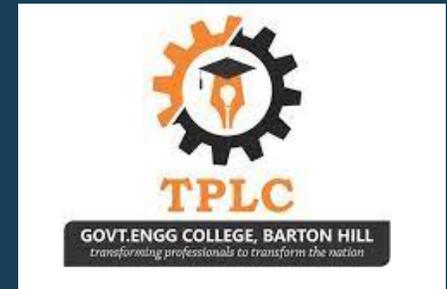


### ABOUT MathWorks®

MathWorks is the leading developer of mathematical computing software. Engineers and scientists worldwide rely on these products to accelerate the pace of discovery, innovation, and development in automotive, aerospace, communications, electronics, industrial automation, and other industries. MATLAB and Simulink are used extensively in teaching and research tools in the world. For more information refer: <https://in.mathworks.com> “

### ABOUT TPLC

Translational Research and Professional Leadership Centre (TPLC) is an interdisciplinary centre functioning at Govt. Engineering College Barton Hill since 2015 with the introduction of the interdisciplinary M.Tech. program in Translational Engineering. The main aim of the centre is to promote the integration of Translational Research in socially relevant engineering projects.



## COURSE OUTCOME

After completion of the course, the participants will gain expertise in

- Understanding Climate Neutrality Principles and Promoting Sustainability
- Utilization of Model-Based Design for Sustainability
- Modelling Systems for Renewable Energy, Optimization, and Integration
- Smart Energy Management and Load Forecasting
- Design and Implementation of Green Buildings
- Application of AI and Data Science in Climate Neutrality

## RESOURCE PERSONS

- Dr. Souvick Chatterjee, Senior Team Lead- Customer Success Engineering, MathWorks India
- Dr. Deb Singdeo, Senior Customer Success Engineer, MathWorks India
- Dr. Pradnya Goankar, Senior Customer Success Engineer, MathWorks India
- Dr. Suja R., Associate Professor and Co-ordinator, TPLC, GEC Barton Hill
- Dr. Poushali Pal, Assistant Professor, TPLC, GEC Barton Hill

## MODE:

Hybrid (Online and Offline)

## DURATION:

June-August (3 months)

[Classes on Saturdays only]

Maximum Number of Participants: 50

Participants should bring their laptop



## REGISTRATION DETAILS

Registration fees: 750/-

Registration fees will not be refunded unless the workshop is cancelled by TPLC due to any unforeseen circumstances. Online payment can be done using any UPI App to

Account Name: TPLC

Account No.: 67314066447

IFSC: SBIN0070415

Bank: SBS Vikas Bhavan

Registration link:

<https://forms.gle/wjRW3sWJNbWM51oh8>

## WHO CAN APPLY?

Faculty, industry professionals, and students eager to gain proficiency in MATLAB®, an industry-standard tool, and who are passionate about climate neutrality, are invited to enroll in this certificate course

## VENUE FOR OFFLINE CLASSES

TPLC, Government Engineering College Barton Hill, Thiruvananthapuram

## COORDINATORS

- Dr. Suja R., Associate Professor and Co-ordinator, TPLC, GEC Barton Hill, Mobile: 9495058367
- Dr. Poushali Pal, Assistant Professor, TPLC, GEC Barton Hill, Mobile: 9830851117

## PREREQUISITES



[Basic knowledge of MATLAB/Simulink](#)



[MATLAB Onramp | Self-Paced Online Courses - MATLAB & Simulink \(mathworks.com\)](#)



[Simulink Onramp | Self-Paced Online Courses - MATLAB & Simulink \(mathworks.com\)](#)