# **FOCAL POINTS**

- Introduction to Econometrics
- Installation- R, Python and MATLAB
- Introduction to Time series
- Tests of Stationarity Theory and LAB
- Transforming Nonstationary **Time Series and Cointegration**
- AR, MA, and ARIMA
- AR, MA, and ARIMA-LAB I
- AR, MA, and ARIMA-LAB II
- ARDL Theory
- ARDL-LAB
- Vector Autoregression (VAR)
- VAR-LAB
- ARCH & GARCH I
- ARCH & GARCH II
- ARCH & GARCH-LAB I
- ARCH & GARCH-LAB II
- Introduction to panel data analysis
- Fixed Effects and Random Effects model I
- Fixed Effects and Random Effects model II
- Fixed Effects and Random Effects model - LAB

#### **ABOUT THE COURSE**

This workshop shall provide the participants with a general introduction to time series data and panel data analysis. The workshop will have more practice-oriented sessions that will provide a working knowledge of Python, R, and MATLAB. After the workshop, the participants will be able to apply the techniques with R, Python, and MATLAB to fulfill research/academic needs.

# A PRACTICAL **APPROACH**

#### TARGET AUDIENCE

- Students (UG& PG),
- Ph.D. Scholars,
- Faculty &
- Working professionals



# WORKSHOP ON TIME SERIES AND PANEL **DATA ANALYSIS USING PYTHON, R AND MATLAB** (ONLINE)

A PRACTICAL APPROACH

10 - 14 OCTOBER, 2022



#### **ORGANIZED BY**



**Department of Humanities and Social** Sciences,

**Department of Instrumentation and Control Engineering & Department of Architecture** 

#### **NIT TRICHY**

National Technology, Institute Tiruchirappalli was established as a joint venture of the government of India and the government of Tamilnadu in 1964 to bring out world-class engineers. NIT-T has been declared as an institute of national importance by the National Institute of Technology act 2007 by the parliament.

#### **DOHSS-NITT**

The Department of Humanities and Social Sciences, since its inception in the year 2004, has catered to independent interdisciplinary research and dynamic collaboration to meet the existing demands of industry, business, public and private organizations and academic services.

### **ICE-NITT**

Department of Instrumentation and Control Engineering was established in the year 1993. The department with its state of the art laboratories, as well as young and dynamic faculty is involved in providing quality education at UG, PG and PhD levels.

#### DOA-NITT

The Department of Architecture was started in the year 1980. The departments core curriculum is implemented by a team of faculty from varied specializations that include landscape architecture, project planning, city planning and urban development.

#### **WORKSHOP COORDINATORS**



Dr. R. MURUGESAN, PROFESSOR/HSS



Dr. K. THIRUMARAN ASSOC.PROF/ARCHITECTURE



Dr. N. SIVAKUMARAN, PROFESSOR/ICE



Dr.K. SRINIVASAN/ ASSOC. PROF/ICE

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Category	Students/ Scholars	Faculty/ Working Professionals
Single	₹ 1000	₹ 1500
Group of 3	₹ 2700	₹ 3000
Group of 5	₹ 3400	₹ 4000
Group of 10	₹ 5000	₹ 7500

## **REGISTRATION & PAYMENT PROCEDURE**

Go to the SBI-collect using the link: Link

or click below

https://www.onlinesbi.sbi/sbicollect/icollecthome.htm



- Select the state as 'Tamil Nadu', and category as 'Educational Institutions'.
- Select "Conference and Workshop NIT Trichy".
- Select payment category as "HSSRM-TSDA-2022".
- Make payment through UPI/ Net Banking/ Credit card/ NEFT.
- Once the fee is paid, fill up your details and upload the payment receipt in the google form found below

https://forms.gle/NyDyXwEibPKXB9VB8



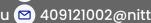
## 07 OCTOBER, 2022 **CONTACT FOR MORE DETAILS**

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