WORKSHOP ON FORECASTING TECHNIQUES USING PYTHON, R AND MATLAB

(ONLINE MODE)

ABOUT THE COURSE

This workshop introduces the participants to different traditional and advanced forecasting techniques using R, MATLAB, and Python. The workshop will have more practice-oriented sessions that will provide a working knowledge of Python, R, and MATLAB. After the workshop, the participants can apply the techniques with R, Python, and MATLAB to fulfill their research/academic needs.

FOCAL POINTS

- **Introduction to forecasting**
- **Installation- R, Python and MATLAB**
- **Simple and multiple regression**
- **Simple and multiple regression-LAB**

- **Exponential Smoothing Methods & Simultaneous-Equation**
- **Exponential Smoothing Methods & Simultaneous-Equation LAB**
- **AR, MA, and ARIMA**
- **AR, MA, and ARIMA- LAB**

- **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 ANN**
- **Forecasting using ANN- LAB**
- **Hands on ARDL, VAR**
- **Hands on forecasting ANN**

TARGET AUDIENCE

- **Students (UG& PG),**
- **Ph.D. Scholars**
- **Faculty &**
- **Working professionals**
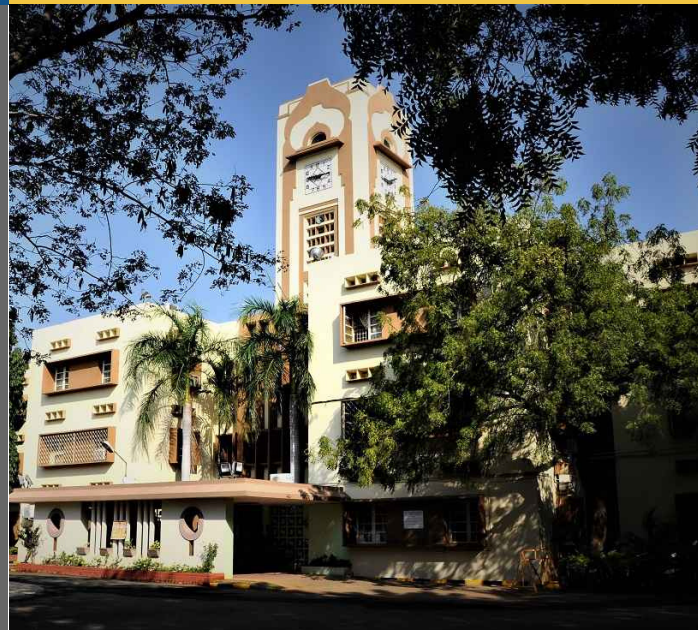
07 – 11 November 2022

ORGANIZED BY

Department of Humanities and Social Sciences,
Department of Instrumentation and Control Engineering &
Department of Architecture

NIT TRICHY

The National Institute of Technology, 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.

COORDINATORS

Dr. R. MURUGESAN, PROFESSOR/HSS

**Dr. K. THIRUMARAN
ASSOC.PROF/ARCHITECTURE**

Dr. N. SIVAKUMARAN, PROFESSOR/ICE

Dr.K. SRINIVASAN/ ASSOC. PROF/ICE

REGISTRATION FEE

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-FTPR-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/xFzAJB8q7MbzDRZB9

LAST DATE FOR REGISTRATION
04 NOVEMBER 2022
CONTACT FOR MORE DETAILS
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