

WORKSHOP ON STRUCTURAL EQUATION MODELLING USING R WITH LAVAAN AND AMOS ONLINE MODE AN INTENSIVE HANDS ON APPROACH

03 - 07 JANUARY 2023



About the course

This workshop shall provide the participants complete details on SEM. The workshop will have more practice-oriented sessions that will provide working knowledge of R (LAVAAN) and SPSS (AMOS). After the completion of the workshop, the participants will be able to apply the techniques to fulfill their research/academic needs.

TARGET AUDIENCE

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

ORGANIZED BY



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

FOCAL POINT

- Introduction to Structural Equation Modelling
- Concepts, Terminology & Notations
- Installation- R & Amos
- Data loading & Screening in R & Amos
- Linear regression in SEM-Theory and LAB
- Exploratory factor analysis
- Exploratory factor analysis-LAB
- Confirmatory Factor Analysis
- Confirmatory Factor Analysis-LAB
- Data Multivariate Assumptions for SEM-Theory & LAB
- Setting up the Causal Model in R & Amos
- Higher order modelling- Theory & LAB
- Mediation Analysis
- Mediation Analysis- LAB
- Moderation Analysis
- Moderation Analysis- LAB
- Multi-group Analysis
- Multi-group Analysis- LAB
- Improving the model fit- Theory & LAB
- Common Bias Method in SEM-Theory and LAB

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-SEM-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/q41CYL7PjaNav8iP6>



LAST DATE OF REGISTRATION

02 JANUARY, 2023

CONTACT FOR MORE DETAILS

Dr. R.MURUGESAN



9789766155

Mr. V. SHANMUGARAJA Ms. MEERA GEORGE

9488513203

8590882793

409118004@nitt.edu

409121002@nitt.edu