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
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.

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

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.

REGISTRATION FEE

<table>
<thead>
<tr>
<th>Category</th>
<th>Students/Scholars</th>
<th>Faculty/Working Professionals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single</td>
<td>₹ 1000</td>
<td>₹ 1500</td>
</tr>
<tr>
<td>Group of 3</td>
<td>₹ 2700</td>
<td>₹ 3000</td>
</tr>
<tr>
<td>Group of 5</td>
<td>₹ 3400</td>
<td>₹ 4000</td>
</tr>
<tr>
<td>Group of 10</td>
<td>₹ 5000</td>
<td>₹ 7500</td>
</tr>
</tbody>
</table>

REGISTRATION & PAYMENT PROCEDURE
- Go to the SBI-collect using the link: [Link](https://forms.gle/q41CYL7PjaNav8iP6)
- 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://www.onlinesbi.sbi/sbicollect/icollecthome.htm](https://www.onlinesbi.sbi/sbicollect/icollecthome.htm)

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.

CONTACT FOR MORE DETAILS
Dr. R. MURUGESAN
9789766155
9488513203
409118004@nitt.edu
Mr. V. SHANMUGARAJA
Ms. MEERA GEORGE
8590882793
409121002@nitt.edu