



**LAL BHADUR SHASTRI  
INSTITUTE OF TECHNOLOGY  
& MANAGEMENT, INDORE**

# **FDP on Structural Equation Modeling using AMOS and Recent trends in Research**

**2022**

Date : 28 Mar to 30 Mar 2022  
Day : Monday to Wednesday  
Time : 11 AM to 4 AM

Resource Person:  
**Dr. Dheeraj Nim**

## ABOUT LBSITM

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Lal Bahadur Shastri Institute of Technology and Management Indore, was established in 2014 by LBSSN Delhi which includes BOG members from the family of Bharat Ratna Shri Lal Bahadur Shastri, II Prime Minister of India. It is presently running AICTE approved PGDM. It also runs MBA and Under Graduate courses affiliated to DAVV. The Institute is ISO 9001:2015 certified and ranked amongst top 5 B-schools in MP by various surveys and Research agencies. Lal Bahadur Shastri Institute of Technology & Management, Indore has been established to spread the culture of staying rooted with values and ethics and at the same time develop skills and competencies to help every student that joins the institute to give back to society and take nation to the zenith; a dream that was relished by the second Prime Minister of India, Shri Lal Bahadur Shastri. The institute is poised to impart the best quality of Higher Education, through the versatile infrastructure of Indore campus. The institute has an excellent Library and fully equipped Computer Lab with Wi-Fi facility. This institute is to be modeled after Lal Bahadur Shastri Institute of Management, New Delhi, a premier B School of the country in existence for two decades, whose alumni have excelled in the corporate world.

## ABOUT FDP

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Quality research is an outcome of the systematic efforts of a researcher using tools, techniques and resources available in the market place. Research is a unique academic activity that needs to be conducted in order to keep updated as per the rapidly changing environment and knowledge creation. Knowledge of various analytical tools like AMOS helps tremendously in converting large amount of data into meaningful conclusions. Structural Equation Modeling (SEM) is a very resourceful and powerful method for modeling and testing complex relationships among multiple variables. It is a combination of factor analysis and regression analysis, specifying the observed variables and the unobserved/ latent variables with their errors in measurement that are not observed in many multivariate analyses.

The program aims at covering in theory as well as in practical the basic concepts and usage of Multivariate analysis using AMOS software. It also aims to cover the emerging trends in research.

## OBJECTIVES of FDP

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- To provide detailed understanding of the basic concepts, tools and decision making related with multivariate analysis.
- To provide hands on training using AMOS software to undertake research in the field of Management.
- To provide knowledge about the recent innovations, trends and emerging ideas in management research.

## TARGET PARTICIPANT

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Research Scholars, Faculty members and trainers working in business schools, universities, colleges, professional institutes, staff training colleges, training centers of industrial organizations, and staff training institutes of central and state governments, which teach management are eligible to participate in this FDP.

## PEDAGOGY:

A blend of tools will be used—discussion, lecture, presentation and demonstration. Online session will be conducted through Google Meet. Where the participants will work simultaneously on practical dataset and analysis will be performed along with the resource person. Major focus will be on interpretation of output and its application in research and teaching.

## LEARNING OUTCOMES

- After this FDP, the participants will be able:
- To grasp the statistical data analysis techniques
  - To develop an understanding of Structural Equation Modelling
  - To build and validate models by using AMOS

## WORKSHOP PREREQUISITES

- Basic knowledge of Research Methodology will be an added advantage.
- Software Required:
  - A laptop with SPSS and AMOS software installed on it.

## REGISTRATION DETAILS

- Registration Fees of Rs 500 per Participant is to be paid through NEFT/RTGS
- After Successful Payment of registration fees registration can be done through the given link : <https://forms.gle/EfrUBifcwfuxds128>
- Confirmation will be communicated through an acknowledgement mail after verification

**\*\*Physical Certificate will be provided to all the Participant\*\***

## PAYMENT DETAILS

The fees can be deposited by CASH /Demand Draft / NEFT / RTGS only. Bank Details of Demand Draft / RTGS / NEFT are as follows:-

Account Name	<b>Lal Bahadur Shastri Institute of Technology &amp; Management</b>
Account Number	<b>78082010003575</b>
Name of Bank	<b>Canara Bank</b>
Branch Address	<b>Sai Kripa Colony - Indore</b>
IFSC Code	<b>CNRB0017808</b>

## RESOURCE PERSON: Dr. Dheeraj Nim

Dr. Dheeraj Nim specialises in the area of Marketing Research and Data Analytics, currently posted as Professor (Marketing & Business Analytics) and Dean (Student Welfare) at Oriental University, Indore. He has around 14 years of Academic Experience in well known Institutes and 6.5 years in Corporate. He has expertise in the areas of Business Analytics, Data Analysis, Research Methodology, Marketing and Retail Analytics, Data Science and Machine Learning. He is well versed with SPSS, SmartPLS, AMOS, Tableau, Excel, R and Python. He has many certifications to his credit from well known institutes like IITs, NITs and IIMs. He has 30 publications to his credit in various journals of repute indexed in Scopus and Web of Science. He has also published one book. He is an esteemed member of Research Advisory Board of Vishwakarma University, Pune. He served as “Session Chair” during the International Conference on Business Resilience & Reinvention in the VUCA World. He is the reviewer of many journals like International Journal of Public Sector Performance Management, Global Business and Organizational Excellence, International Journal of Internet Marketing and Advertising, International Journal of Environment and Sustainable Development to name a few. He delivered lectures as Resource Person in various FDPs on Data Analysis, Structural Equation Modeling, Data Analytics using R etc.

## SCHEDULE OF WORKSHOP

Day	Topic	Time
Day1 28 March 2022	<ul style="list-style-type: none"><li>Basics of Structural Equation Modelling</li><li>Installation of Software</li><li>Working with AMOS Graphics</li></ul>	11 am to 4 pm
Day 2 29 March 2022	<ul style="list-style-type: none"><li>First Order CFA Model</li><li>Second Order CFA Model</li></ul>	11 am to 4 pm
Day 3 30 March 2022	<ul style="list-style-type: none"><li>Testing for the Validity of a Causal Structure (Structural Equation Model)</li><li>Testing for Construct Validity</li></ul>	11 am to 4 pm

**WORKSHOP PATRON**

**Dr. Alok Mittal**

**WORKSHOP CHAIRPERSON**

**Prof. Dinesh Wadhwa**

**WORKSHOP CONVENER**

**Dr. Gauri Thakur**

**For any Query Please Contact**

**Dr. Gauri Thakur**

Assistant Professor and Academic Incharge

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