



विश्वजीवनामृतं ज्ञानम्

**Faculty Development
Programme (FDP)
On
“Advanced Structural
Equation Modeling
and Applied
Multivariate
Research”
(ASEM&AMR-26)**

Duration:

27th April to 03rd May, 2026

Mode: Hybrid

Organized by:

**Department of Management
Studies (DoMS)
ABV-IIITM Gwalior**



FDP Coordinator(s):

**Dr. Arun Kumar
Prof. Gaurav Agrawal
Prof. Rajendra Sahu
Dr. Vishal Vyas**

About the FDP

This Faculty Development Program (FDP) is designed to equip academicians, researchers, and professionals with a comprehensive understanding of Structural Equation Modeling (SEM)—a powerful multivariate statistical technique widely used in social sciences, management, psychology, and related fields.

Objectives

- To introduce participants to the fundamentals of SEM
- To develop skills in model specification, estimation, and validation
- To provide hands-on training using SEM software tools
- To interpret and report SEM results effectively in research

Key Topics Coverage

- **Conceptual Foundations of Research Design and Model Building**
- **Statistical Framework and Data Preparation for SEM Applications**
- **Exploratory Factor Analysis for Dimension Reduction/ Advanced EFA with Practical Data-Based Illustrations**
- **Academic Referencing Tools**
- **Regression Analysis: From Fundamentals to Applied Modeling/Advanced Regression Techniques with Practical Exercises**
- **Measurement Models and Confirmatory Factor Analysis (CFA)/Structural Model Estimation using AMOS: Fit Indices and Model Refinement**
- **Mediation, Moderation, and Multigroup Analysis – Conceptual Foundations**
- **Direct and Indirect Effects Testing using AMOS (Applied Session)/ Hands-on Applications of Mediation, Moderation, and Multigroup Analysis**
- **Introduction to Variance-Based SEM (PLS-SEM) for Structural Modeling/Structural Model Assessment and Validation using PLS-SEM**
- **Applications of Mediation, Moderation, and Multigroup Analysis Using PLS -SEM**
- **Scale Development and Validation of Latent Constructs – I/Advanced Scale Development and Construct Validation – II**

Resource Persons:

Sessions will be conducted by:

- Experienced academicians
- Research experts

Target Audience:

- Faculty members
- Research scholars
- Postgraduate students

Certification:

- E-certificates will be provided to participants upon successful completion of the program.

Hands-on Sessions:

- SPSS
- AMOS
- SmartPLS
- Advance Excel

Registration Details:

- Registration Link:

<https://forms.gle/d7sNBDrEFD8uq7av6>

- Last Date to Register:
25th April, 2026

Registration Fee:

- Faculty Members:
 - INR 2000/- for Online mode
 - INR 3000/- for offline mode
- Research scholars:
 - INR 2000/- for Online mode
 - INR 3000/- for offline mode
- Postgraduate students:
 - INR 1000/- for Online mode
 - INR 1500/- for offline mode

QR code for payment:



Contact Information:

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