

REGISTRATION LINK



FEE RS. 700

ORGANISES TWO DAYS NATIONAL LEVEL ONLINE WORKSHOP

ON

**“DETERMINING APPROPRIATE SAMPLE SIZE AND  
STRUCTURAL EQUATION MODELLING USING SMART PLS”**

DATE: 14TH TO 15TH FEBRUARY 2021

TIMING: 6.00 PM TO 9.00 PM

MODE: THROUGH ZOOM MEETING / GOOGLE MEET

Day -1

1. Determining Sample Size Using G\*Powera)  
a) Effect Size  
b) Statistical Power  
c) Types of Power  
d) Understanding G\*Power Software
2. Basics of SEM (Structural Equation Modeling)  
a) Measurement Model (Formative vs Reflective)  
b) Understanding Different Geometric Symbols
3. Drawing path model- Smart PLS 3
4. Measurement Model Evaluation  
a) Evaluation of Reflective Measurement Model  
b) Convergent validity – Different Approaches  
c) Discriminant validity
  - i) Fornell – Larcker Criterion
  - ii) HTMT Ratio (Heterotrait- Monotrait Ratio)

Day-2

1. Measurement Model Evaluation-Model Fit
2. Structural Model analysis & evaluation (Partial Least Squares)
  - a) Moderating Effect Analysis
  - b) Mediating Effect Analysis
  - c) Hypotheses Testing Using Bootstrapping
3. Importance Performance Map Analysis
4. Direct, Indirect and Total Effects

**Note: Organizer Support**

1. E-certificate
2. Demo Statistical Software
3. E-Materials

**Resource Person:**

**Dr. AMIT KUMAR NAGA**  
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(BSSS), Bhopal, Madhya Pradesh.

**Who can Join.. ??**

**Faculties & Research Scholars**

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