KEY RESOURCE PERSON

Dr. Shailesh Kaushal,
Associate Professor, Department of Business Administration, University of Lucknow, Uttar Pradesh.

ORGANIZING SECRETARIES

- **Dr. Gnyana Ranjan Bal,**
  Asst. Prof. School of Commerce, GMU
- **Ms. Shibani Sharma,**
  Asst. Prof. School of Management, GMU
- **Ms. Saroja Meher,**
  Asst. Prof. School of Commerce, GMU
- **Mr. Subhash Chandra Jhankar,**
  Asst. Prof. School of Commerce, GMU

ORGANISING TEAM

- **Dr. Sruti Sudha Mishra, Faculty.**
- **Dr. Sandhya Rani Sahu, Faculty.**
- **Mr. Ambaris Pratap Singh, Faculty.**
- **Mr. Mahesh Kumar Bagarti, Faculty.**
- **Mr. Sandeep Mukharjee, Faculty.**
- **Mr. Subrat Pradhan, Faculty.**
- **Mr. Sadashiv Sahu, Faculty.**
- **Mr. Gourav Kumar Panda, Faculty.**

OUR ESTEEMED PATRONS

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G.M. University

CONVENERS

Dr. Priyabrata Panda
HoD, School of Commerce,
G.M. University, Amruta Vihar

Dr. Srinibash Dash
HoD, School of Management,
G.M. University, Amruta Vihar

INVITATION

GANGADHAR MEHER UNIVERSITY,
Amruta Vihar,
Sambalpur-768004 (Odisha)

Three Day National Workshop On
"Structural Equation Modeling using AMOS"

27th to 29th June, 2023

27th to 29th June, 2023
10:00 am -5:00 pm

ABOUT THE WORKSHOP

World is becoming very uncertain day by day. Things are changing more rapidly than expected. To sustain in the ensuing change, we need to revamp our strategies, adopt new policies and build the road ahead. This workshop is useful in improving the research knowledge of the participants from the different parts of the country and can foster the research activities. It will improve the knowledge of the participants regarding study design, sampling technique, sample size estimation, summarization, presentation and analysis of data for future application in practical graphics research & writing projects.

In the same line, this workshop is an introduction to Structural Equation Modeling (SEM) using AMOS software. SEM is an extension of the general linear model (GLM) that enables a researcher to test a set of regression equations simultaneously. Structural Equation Modeling (SEM) is a statistical model that tries to clarify and explain relationships among multiple latent variables (constructs). It includes an introduction to the logic of SEM, the assumptions and required input for SEM analysis, and how to perform SEM analyses using AMOS, including building and testing a model using AMOS.

WORKSHOP OBJECTIVES

Participants will be able to:

☑ **To make students able to select appropriate research methodology for their areas of research, enhance their data analytics skills.**

☑ **To provide online hands on training to learn and be able to perform various statistical analysis.**

WORKSHOP SCHEDULE

DAY-1 (27.06.2023)			
INAUGURATION			
Time	Session	Topic	Resource person
27.06.2023 10 am To 1 pm	Technical session 1	Research design: Qualitative vs. Quantitative research, Measurement and Scaling, Questionnaire designing, and Sample size determination	Dr. Shailesh Kaushal, Associate Professor.
27.06..2023 2 pm to 5 pm	Technical session 2	Accessing Normality, reliability and Homogeneity: K-S Test and Levene's Test. Parametric Test: One Sample t-test, Independent t-test, Paired t-test, ANOVA, and Repeated Measure ANOVA.	
DAY-2 (28.06.2023)			
28.06..2023 10 am To 1 pm	Technical session 1	Non-parametric test: One Sample Wilcoxon test, Mann- Whitney U test, Wilcoxon- Rank Signed Test, Kruskal-Wallis Test, Friedman ANOVA, and Chi-square test.	Dr. Shailesh Kaushal, Associate Professor.
28.06..2023 2 pm to 5 pm	Technical session 2	Multiple Regression Analysis: Assumptions- Linearity, Constant Variance, Independence and Normality of Error Term. Exploratory Factor Analysis: Assumptions- Kaiser-Meyer-Olkin Test of Sphericity, Barlett's Test of Sphericity, etc.	
DAY-3 (29.06.2023)			
29.06.2023 10 am To 1 pm	Technical session 1	Introduction to Covariance Based Structural Equation Modeling: Confirmatory Factor Analysis and Testing of Structural Model.	Dr. Shailesh Kaushal, Associate Professor.
29.06.2023 2 pm to 5 pm	Technical session 2	Confirmatory Factor Analysis with AMOS Software, Estimating Reliability, and Validity: Convergent, Discriminant, Nomological and Face Validity, Testing of Structural Model	
Feedback			

WHO SHOULD PARTICIPATE

The Workshop is open for researchers of all disciplines, Academicians & Professionals.

- UG, PG students & Research Scholars.
- Corporate Personnel.

IMPORTANT DATES:
Opening Date for Registration: **04-04-2023**
Closing Date for Registration: **23.06.2023 (6:00PM)**
Intimation to Registered Participants by Email: **23.06.2023**

*Contact Details for any Queries:
Mr. Khageswar Sahu- **8658313268**
Ms. Shibani Sharma-**8984161471**

REGISTRATION PROCESS

Participants Category	Registration Fee
UG/PG Students:	INR 300
M.Phil, Ph.D. & Other Participants :	INR 500
Participants Limit:	First 100 Applicants

REGISTER NOW

Registration fee is meant for participation in the workshop, e-certificate & e-access to the workshop. *(No Accommodation will be provided*

Registration fees can be transferred through mobile apps/online banking/mobile banking etc. to the following account number and upload the screenshot/photocopy of the transaction reference number.

Account Holder Name: *HoD, Dept. of Professional Studies*
Account Number: *21010110041697*
IFSC Code: *UCBA0002101*
Bank Name: *UCO BANK*
Branch: *Budharaja, Sambalpur*

REGISTRATION LINK

➢ Participants should fill up the registration form by clicking on the following link.

https://forms.gle/6ud4CTVyCbAYVMYP6

❖ The workshop will be on Blended Mode and the link will be sent to the participants well in advance to their registered email and mobile number.

Workshop 27th to 29th, June, 2023