



**ONE WEEK
FACULTY DEVELOPMENT PROGRAM
ON
ANALYSING LITERATURE:
A STRUCTURAL EQUATION
MODELING APPROACH TOWARDS
META-ANALYSES (MASEM)**

JULY 8-12, 2024

Organising Secretary: Dr. Amit Gupta, Professor & Head

Convener (s): Dr. Anoop Kumar Gupta
Dr. Ritu Gupta



ORGANISED BY

DEPARTMENT OF MANAGEMENT

**MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY
SECTOR-22, ROHINI, DELHI-110085**



www.mait.ac.in



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Chancellor, Maharaja Agrasen University (HP)



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Resource Persons for the FDP



Dr. Neeraj Kaushik

**Associate Professor and Head
Department of Business Administration
National Institute of Technology
Kurukshetra**

Dr. Neeraj Kaushik is working as an Associate Professor and Head in the Department of Business Administration, NIT, Kurukshetra. He has conducted around 500+ workshops on Research Methodology with Software Applications (such as Excel, SPSS, AMOS, Smart PLS, ADANCO, Systat, R & R-Studio). He has over 60 articles published in Indian & International Journals. He is on the review board of many international journals of repute. He has authored one book 'Business Research Analytics'. Presently, he is active on YouTube where he has 950+ videos with 20,000+ subscribers and more than 2.5 million views.



Dr. Rahul Pratap Singh Kaurav

**Associate Professor
FORE School of Management
New Delhi**

Dr. Rahul is working as an Associate Professor with the FORE School of Management (FSM), New Delhi. His teaching and research interests include *Marketing Management, Services Marketing, Research Methodology, Marketing Research, Marketing Analytics, Tourism Marketing*. He is a professionally acquired trainer for quantitative and qualitative research software like MAXQDA and NVIVO. Dr. Rahul has published 48 research papers in national and international journals of repute, of which many are ABDC A and B category journals. He has published 14 full papers as chapters in edited books, and more than 22 research papers in conference proceedings. He has guided four doctoral theses, which have been awarded and is currently guiding two of the doctoral candidates. He had Contractual Assignments with the online program of the *University of Liverpool, UK* as a DBA thesis supervisor. He is also associated with the *BITS-Pilani, India* and *Taylor's University, Malaysia* as an adjunct faculty.



Dr. Apeksha Hooda

**Assistant Professor
O.P. Jindal Global University
Sonipat, Haryana**

Dr. Apeksha Hooda is a faculty in the area of Information Systems and Analytics at Jindal Global business School, O.P. Jindal Global University, Sonipat. She also holds the chair of Senior Associate Dean - Examinations. She has completed her PhD thesis (Information Systems) at Faculty of Management Studies (FMS), University of Delhi. She has published multiple research papers in ABDC ranking Journals including A and A* publications. She has been a resource person to data analysis workshops for business schools like FMS, University of Delhi. She regularly reviews articles for high impact journals like IJIM, GIQ, TGPPP, CHB, Journal of Research in Interactive Marketing, Information Technology & People, to name a few. Her current area of research is meta-analysis and text analytics based studies.

MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY

Maharaja Agrasen Institute of Technology was established in 1999 by Maharaja Agrasen Technical Education Society promoted by a group of well-known Industrialists, Businessmen, Professionals and Philanthropists with an aim to promote quality education in the field of Technology and Management. Since then, MAIT has grown from strength to strength to emerge as one of the top technical institutes among the private Institutes and has been constantly ranked amongst the top engineering Institutes by DATAQUEST.

To build lasting relations with Industry, MAIT joins hands with industry in fulfilling the social responsibility of imparting industry relevant technical education and training. Its Alumni have also distinguished themselves through their achievements in industry, academics, research, business, government and social domains. The institute continues to work closely with the Alumni to enhance its activities through interactions in academic and research program.

DEPARTMENT OF MANAGEMENT

The Department of Management was established in the year 2004 under GGSIP University. The Department is running both UG and PG course of Management i.e. BBA & MBA. The Department works with a Mission “To develop higher academic learning known for its total commitment to excellence in management education and research with a holistic concern for quality of life, environment, society & ethics”. The department is committed to achieve excellence in management education & research and assesses the success of its programme using the highest standards of quality. A group of well qualified, experienced and highly motivated faculty is engaged in providing quality education to the future managers and prepare the students in wider field of management to take up challenging jobs in the area of Finance, Marketing, HRM, International Business, Information technology etc.

ABOUT THE FDP

The FDP aims to equip the participants with the knowledge of advanced research methodologies, specifically focusing on Meta-Analysis through Structural Equation Modelling (MASEM), thereby improving their research output and scholarly contributions. The program looks to develop the capacity of the participants to use MASEM for robust data analysis, supporting evidence-based decision-making in academic and administrative contexts. The FDP intend to provide a comprehensive overview of meta-analysis and structural equation modelling (SEM) principles.

The program would also offer practical training sessions on conducting MASEM using IBM AMOS software. The program would enable the participants to combine meta-analysis and SEM techniques to address complex research questions. The FDP would teach effective data collection, management, and preprocessing techniques specific to MASEM. The FDP would also enable participants to accurately interpret and report the results of MASEM analyses.

By the end of the program, participants would have a greater understanding of MASEM, practical skills to conduct their own analyses, and the ability to use these advanced methodologies in their research, thereby enriching their research output. The FDP would guide participants to publish their MASEM research in high-impact journals.

EXPECTED OUTCOMES

- Introduction to basics of Research
- Understanding types and frameworks of literature reviews
- Using the concept of Meta-analysis for effective Literature Review
- To familiarize with usage of AMOS software
- Developing an understanding of using Meta-Analytic Structural Equation Modeling in AMOS (MASEM)

OTHER RELEVANT INFORMATION

Who can Participate?	Academicians, PhD Scholars, Researchers, Practitioners from Industry
Certification	All the participants will be provided with a certificate of participation after completion of the FDP
Registration Fees	Rs. 5000/-*
	* Includes Welcome-Kit, Lunch, and Refreshments * A discount of 10% would be allowed on registration fees for group registrations of 2 or more participants. * Payment is non-refundable Note: Accommodation on nominal charges can be arranged (as per actuals)
<i>Payment to be made in favour of</i>	
Account Name	Maharaja Agrasen Institute of Technology
Bank Name	Union Bank of India
Bank Account No.	394502010059875
IFSC / NEFT Code	UBIN0560421
Registration Link	https://forms.gle/gV8hehRM5zSAMCnZ8
<i>For Further Information, Please Contact</i>	
Dr. Anoop Kumar Gupta 9868997448 anoopgupta@mait.ac.in	Dr. Ritu Gupta 9416166430 ritugupta@mait.ac.in



SCHEDULE

DAY ONE

8th JULY

- Clarifying Concepts, Constructs, Variables, Dimensions, Items, Questionnaire & Scales, Type of Scales, Models, Introduction to theoretical Modeling
- Discussion of lower- and higher-order constructs, Introduction to reflective and Formative Scales, Discussion of Seminal Papers for higher order scaling and measurement
- Dimension Identification through deductive and inductive inquiry, Types of Literature Review, Protocols and Process for Review Design (PRISMA & SPAR-4-SLR)
- Framework-based Reviews (TCCM, ADO, AMO, TCM-ADO, 6W), Dimension Table, Prerequisites of an SLR paper, Discussion of Seminal Papers for reporting practices of SLR

**Dr. Rahul
Pratap
Singh Kaurav**

DAY TWO

9th JULY

- Introduction to Meta-Analysis- Fixed Effect, Random Effect
- Input for Meta-Analysis, Various forms of Correlation
- Sub-Group Analysis, Meta Regression
- Fail safe analysis, Trim and Fill analysis, Reporting results

**Dr. Neeraj
Kaushik**

DAY THREE

10th JULY

- Introduction to AMOS: Path Analysis
- CFA : Concept and Statistics Types, Working on CFA
- Validity and Reliability of the Scales
- SEM : Measurement and Structural Models

**Dr. Neeraj
Kaushik**

DAY FOUR

11th JULY

- Introduction to Meta-SEM
- Study Artifacts-Sampling Error, Non-sampling error, Measurement Error
- Formats of Data Collection from papers
- Correcting r for Sample Size Adjustment & Measurement Biasness, Meta SEM, Data Entry format in SPSS and AMOS, Working on Meta-SEM

**Dr. Neeraj
Kaushik**

DAY FIVE

12th JULY

- Structure of a research paper
- Tips for Paper Writing using Meta-Analysis
- Tips for Paper Writing using Meta-SEM
- Tips for Improving Manuscript for improving acceptance rate
- Valedictory Session

**Dr. Apeksha
Hooda**

Chief Patrons

Dr. Nand Kishore Garg

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Sh. S.P. Aggarwal

Executive Chairman, MATES

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Vice Chairman (Academics) MAIT

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Dean, MAIT

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Dean (R&I) MAIT

Prof. (Dr.) M.K. Bhat

Professor, MAIT

Prof. (Dr.) Ravi Kumar Gupta

Professor, MAIT

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(HOD - CSE)**

**Prof. (Dr.) V. N. Mathur
(HOD - MAE)**

**Dr. Vinay Kumar Saini
(HOD - AI&DS)**

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(Professor - IT)**

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(HOD - EEE)**

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(HOD - ME)**

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(HOD - Applied Sciences)**

**Dr. Pooja Gupta
(HOD - IT)**

**Dr. Amita Goel
(HOD - ITE)**

**Prof. (Dr.) Rajveer Mittal
(Professor - EEE)**

**Prof. (Dr.) Sunil Mathur
(HOD - ECE)**

**Dr. Neeraj Garg
(HOD - AI&ML)**

Organising Secretary

Prof. (Dr.) Amit Gupta

HOD

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Dr. Ritu Gupta

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Dr. Nitin Walia

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Mr. Nakul Anand

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Dr. Sangeeta Rawal

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Ms. Neha Sharma

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