



Lalit Narayan Mishra Institute of Economic Development & Social Change, Patna

An Autonomous Institute under Govt. of Bihar
Affiliated to Aryabhatta Knowledge University, Patna
and Courses Approved by AICTE, Govt. of India



One Week Online Faculty Development Programme on Research Methodology & Hands-on Training on Smart- PLS 4.0

..... 24th-29th Nov, 2025



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About LNMI



LNMI is a premier autonomous organization under the aegis of government of Bihar, offering comprehensive courses in Management and Computer Science. The state of Bihar, being the land of the great Mahavira and Gautama Buddha, stands as a timeless testament to India's rich cultural, spiritual, and intellectual legacy. Carrying forward the rich legacy of Bihar's pivotal role in shaping global knowledge and philosophy our centrally located campus in the state capital Patna, serves as a vibrant hub for learning and research. We take pride in being the oldest management teaching institute established in 1973 having long-standing success of 52 year in management and computer education, research, and training. We pride ourselves on our state-of-the-art facilities and educational excellence. Our faculty have successfully completed research projects focused on various socio- economic conditions. We offer best possible hostel facilities to students, researchers and faculties in our highly equipped Management Development Centre. A highly effective and efficient placement cell at LNMI plays a pivotal role in facilitating suitable placements for our students. Our strong alumni network of more than 20,000 consistently support these efforts. Beyond academics, we encourage extra-curricular and cultural activities, offering students scope for holistic development, supported by state-of-the-art infrastructure.

Objectives of the FDP



This Faculty Development Programme is designed to enrich the research capabilities of faculty members and scholars by deepening their understanding of research methodology and advanced data analysis. It introduces participants to the core principles of scientific inquiry, research design, and diverse data collection and analysis techniques, laying a strong foundation for rigorous academic work. A key emphasis of the programme is on quantitative research, particularly the use of Partial Least Squares Structural Equation Modelling (PLS-SEM), a widely respected tool for empirical analysis. Through comprehensive discussions, the FDP bridges theoretical frameworks with practical applications, enhancing participants' ability to conduct impactful research. The programme also offers hands-on training in Smart-PLS 4.0 software, guiding participants through model specification, measurement validation, and structural model evaluation using real-world datasets. The practical exposure equips the participants with the analytical skills needed to produce methodologically sound research. Additionally, the FDP supports the development of high-quality publications by promoting robust research designs and advanced analytical tools, while fostering interdisciplinary collaboration and the exchange of ideas across academic domains. By integrating the latest trends, technologies, and ethical standards in research, the programme ensures that participants remain current, competent, and capable of contributing meaningfully to their fields.

Outcomes of the FDP



The Faculty Development Programme will equip participants with essential skills in research methodology and advanced data analysis, with a focus on PLS-SEM and Smart-PLS 4.0. It will enhance their ability to design robust studies by applying quantitative techniques, and publish high-quality research. The programme will also foster interdisciplinary collaboration and will keep scholars updated on current trends and ethical practices in academic research.



Patron

Dr. N. Vijayalakshmi, I.A.S
Director
L. N. Mishra Institute of Economic
Development & Social Change, Patna



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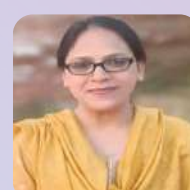
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LNMI, Patna



Dr. Santosh Kumar
Assistant Professor
LNMI, Patna



Dr. Rahnuma Asmat
Assistant Professor
LNMI, Patna

Resource Persons



Prof. (Dr.) Dileep Kumar M.
Former Vice Chancellor, Hensard University, Nigeria

His research interests include strategic management, entrepreneurship, SME development, human resource management, consumer behaviour, and organizational behaviour. Along with his academic credentials, he possesses sixteen patents, six patent publications, twenty-seven copyrights, and 29 books on business management, as well as 3 monographs. He has delivered more than 200 keynote addresses.



Dr Vaibhav Tripathi
Assistant professor (Selection Grade), UPES Dehradun

He has published multiple research papers in Scopus-indexed and ABDC-listed journals. His empirical and conceptual works focus on entrepreneurial motivation, business sustainability, and consumer adoption behaviour, reflecting a strong integration of quantitative modelling and applied business research techniques.



Prof. (Dr.) Gyan Prakash Singh
Professor & Head, Dept. of Statistics, BHU, Varanasi

He is a Professor of Statistics in the Department of Statistics, Banaras Hindu University, Varanasi. From last 22 years involved in teaching and research. Before joining the Department of Statistics, BHU he was in the Department of Community Medicine, Institute of Medical Sciences, BHU for 10 years, where his key role was to equip the students of Master of Health Statistics in the field of Biostatistics. He also shaped the Division of Biostatistics as Professor In-charge which was latter converted into Centre of Biostatistics.



Prof. (Dr.) Rahul
Vice-Principal, DAV PG College (BHU), Varanasi

He teaches a range of subjects including Descriptive and Inferential Statistics, Probability Theory, Research Methodology, Sample Survey Techniques, and Regression Analysis, equipping students with both foundational and advanced analytical skills. His research interests lie in Time Series Analysis and Forecasting, with a particular focus on Bayesian approaches to statistical inference and modelling

Resource Persons



Dr. Ranjani Kumari
Assistant Professor, CIMP

Her research area includes Business Model Innovation, Entrepreneurship, Green marketing, Sustainability, Consumer behaviour and Micromarketing. She has a strong inclination for teaching and research. She has conducted and attended various seminars, workshops, FDP's and Conferences across India and abroad. She has equally contributed by completing various projects at the state and national level.



Dr. Rajdeep Kumar Raut
Assistant professor and PGP co-coordinator, CIMP

He is an Assistant Professor and PGP co-coordinator at Chandragupt Institute of Management Patna (CIMP). He holds a Ph.D. in Management from the Indian Institute of Technology (ISM) Dhanbad, specializing in Behavioural Finance. With over seven years of experience in research and teaching, Dr. Raut has previously been associated with reputed institutions such as BITS Pilani, Jaipuria Institute of Management, NMIMS, and Amity University.



Dr. Ekbal Rashid
**Professor, Department of Computer Science and Engineering (AI/ML);
Malla Reddy Engineering College for Women, Hyderabad**

He is the Professor in the Department of Computer Science and Engineering (AI/ML) at Malla Reddy Engineering College for Women since October 2025 (Continue). Earlier he was also professor in the department of computer science and Engineering (AI/ML) in St. Peter's Engineering College Hyderabad.



Dr. Mahendra Singh
**Associate Professor & Head of the Department of Agribusiness Management
Acharya Narendra Deva University of Agriculture and Technology, Ayodhya**

An expert in area of Supply Chain Management, Production & Operations Management, Quality Management and Marketing Management. Dr Singh holds Ph.D. in Management Studies from Banaras Hindu University, Varanasi. Dr. Singh completed his Master in Business Administration and has more than 15 years of teaching and research experience in management field.

Programme Schedule

Day/Date	Time	Session	Resource Person
Day 1 (24/11/25)	11:00 AM to 1:00 PM	Inauguration / Session on Introduction to Research Methodology	Prof. (Dr.) Dileep Kumar M. Former Vice Chancellor, Hensard University, Nigeria
Day 1 (24/11/25)	2:00 PM to 3:30 PM	Research Problem & Design	Dr. Vaibhav Tripathi Assistant professor (Selection Grade), UPES Dehradun
Day 2 (25/11/25)	11:00 AM to 1:00 PM	Sampling Design Data Collection Methods	Prof. (Dr.) Gyan Prakash Singh Professor & Head, Dept. of Statistics, BHU, Varanasi
Day 2 (25/11/25)	2:00 PM to 3:30 PM	Introduction to Probability Hypothesis Testing	Prof. (Dr.) Rahul Vice-Principal, DAV PG College (BHU), Varanasi
Day 3 (26/11/25)	11:00 AM to 1:00 PM	Introduction to Structural Equation Modelling / Justification for using Smart-PLS	Dr. Ranjani Kumari Assistant Professor CIMP, Patna
Day 3 (26/11/25)	2:00 PM to 3:30 PM	Introduction to Smart – PLS Software PLS-Algorithm / Installation of Smart-PLS 4.0	Dr. Ranjani Kumari Assistant Professor CIMP, Patna
Day 4 (27/11/25)	11:00 AM to 1:00 PM	PLS-SEM Fundamentals and Model Development / Bootstrapping & Blindfolding	Dr. Rajdeep Kumar Raut Assistant professor PGP Co-coordinator, CIMP, Patna
Day 4 (27/11/25)	2:00 PM to 3:30 PM	Assessment criteria of measurement and structural model / Assessment of measurement and structural model results	Dr. Rajdeep Kumar Raut Assistant professor PGP Co-coordinator, CIMP, Patna
Day 5 (28/11/25)	11:00 AM to 1:00 PM	Mediation Analysis & Moderation Analysis	Dr. Ekbal Rashid Professor, Department of Computer Science and Engineering (AI/ML); Malla Reddy Engineering College for Women, Hyderabad.
Day 5 (28/11/25)	2:00 PM to 3:30 PM	Confirmatory Tetrad Analysis (CTA)	Dr. Ekbal Rashid Professor, Department of Computer Science and Engineering (AI/ML); Malla Reddy Engineering College for Women, Hyderabad
Day 6 (29/11/25)	11:00 AM to 1:00 PM	Report Writing and Referencing	Dr. Mahendra Singh Associate Professor & Head of the Department of Agribusiness Management: Acharya Narendra Deva University of Agriculture and Technology, Ayodhya
Day 6 (29/11/25)	2:00 PM to 3:30 PM	Feedback Session/ Valedictory Address Vote of Thanks	-----

Advisory Committee Members

Prof. (Dr.) Chandra Singh

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Aryabhatta Knowledge University, Patna

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Associate Professor
LNMI, Patna

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LNMI, Patna

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Dean, Faculty of Management Studies
Gopal Narayan Singh University, Jamuhar, Sasaram

Prof. (Dr.) Rajnish Ratna

Professor, Faculty of Management Studies
Gopal Narayan Singh University, Jamuhar, Sasaram

Our Support:

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Mr. Titu Kumar, LNMI, Patna
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Mr. Kumar Deepak, LNMI, Patna
Md. Asif, LNMI, Patna
Mr. Ranjeet Kumar, LNMI, Patna
Mr. Vivek Kumar Singh, LNMI, Patna

Registrations Details

Registration Fee:

Faculty/Research Scholars: INR 590 /- (Including 18% GST)

Industry Persons: INR 944 /- (Including 18% GST)

Account Details:

Director, Lalit Narayan Mishra Institute of Economic
Development & Social Change

Account Number: 35722185550

IFSC Code: SBIN0010340

State Bank of India, High Court Campus, Patna

Google Form Link for Registration:

<https://forms.gle/syahaxG24ZLnwo1F7>

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