



GLOBAL DEVELOPMENT FOUNDATION

&

Institute of Chartered Management Association

Presents

WORKSHOP

ON

**“Data Analytics, Structural Equation & Financial
Modeling including Path Analysis”**

25th & 26th JULY 2015



**At,
NEW DELHI**

WHO SHOULD ATTEND?

Structural equation modelling is one of the most useful and popular technique for testing the measurement theory and the structural relations among variables. It is a combination of factor analysis and regression analysis specifying the observed variables and the unobserved/latent variables with their errors in measurement that are not observed in many multivariate analyses. It is a family of techniques that covers factor analysis, path analysis, regression models, and change analysis.

OBJECTIVES

- To provide the state-of-the-art knowledge in SEM.
- To familiarize the participants with the usage of application-sofwares.
- To equip the teachers and researchers with the desired skills to handle complex research models using SEM

CONTENT OF THE PROGRAMME

Module 1: Data analytics, Theoretical Background of SEM, SEM vs. Multiple regression and Factor analysis. Defining a construct, Type of Constructs, Content analysis and Content Validity, Reflective and Formative measurement theory, Measurement Model and Structural Model, Difference between EFA and CFA, Identification Problem, Uni-dimensionality,

Module2 : Exploratory Factor analysis, Principal Component Analysis, Fitness of Factor Analysis, Rotation, Eigen Value, Factor Loading and Factor Scores Construct analysis and Confirmatory Factor Analysis, Construct Validity, Convergent and Discriminant Validity. Data Imputation, Calculation of Construct Scores and Financial Modeling, Path Analysis.

Module 3: Common Bias Error and SEM, Outlier Testing and Extreme Value Analysis.

Module 4: Mediation and moderation effects, Group Moderation, Interaction Moderation analysis.

GLOBAL DEVELOPMENT FOUNDATION,

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Eligibility & Pedagogy

Participants should be familiar with SPSS. The pedagogy would include lecturer, discussion, demonstration, and hands-on-experience in computers. Those who have laptops, please carry them to practice.

CERTIFICATE

At the end of the programme each participant will be awarded certificate of **GLOBAL DEVELOPMENT FOUNDATION**, (GDF)& **Institute of Chartered Management Association** India Faculty Development Programme on Research Method, SPSS and Thesis writing. There are limited 20 seats for the programme and will be filled on 'First Come First Serve' basis.

CONDUCT OF THE PROGRAMME

Workshop shall be conducted with an object to have understanding importance of structure equation modeling, and path analysis

PROGRAMME LEADER

Prof. R.K.Suri, Chairman, GDF, Former Director General – **Vice Chancellor** Monad University, Ghaziabad, Former Executive Director, Rajeev Gandhi Institute of Petroleum Technology (at par with IIT) Rae Bareilly, Formerly Head, Ed.CIL (India) Ltd. Government of India.

FACULTY

Prof(Dr) R K Suri, Former VC Monad University

In addition eminent faculty from leading management institute, Delhi University, IMT Ghaziabad, IP University, Industry shall be the other resource person.

PROGRAMME DETAILS

Date & Timing	Venue	Fee
25 th JULY 26 th JULY 2015 10.00 AM to 5.30 PM	# 140 Sector Rose Wood Apartment Sector 13 Pocket A, Dwarka Near Sector 13 Metro Station, New Delhi -75	Rs.4900/- per participant (non-refundable) faculty & Rs. 7500/- from Industry participants to be paid in favour of GLOBAL DEVELOPMENT FOUNDATION , payable at New Delhi

IMPORTANT CONDITIONS

- Prior registration is compulsory only 15 seats
- Registration will be done on 'First Come First Basis'
- The programme is a non-residential.
- **Payment is to be made by cheque/Demand Draft/Pay Order in favour of GLOBAL DEVELOPMENT FOUNDATION, payable at New Delhi or online transfer to** Saving Bank Account No. 169001000004237, IFSC Code : IOBA0001690, Indian Overseas Bank, Sector 10, Dwarka, New Delhi - 110075
- Outstation participants will have to make their own 'To and Fro' Travel and stay arrangements for attending the Programme.

Participants Feed Back

Dr A K Mishra, Faculty, Krushetra University, extremely useful programme.

Dr. S C Malik, Professor of Statistics, MDU Rohtak, very well designed and highly useful programme

FOR FURTHER DETAILS PLEASE CONTACT

Mr. S.C. Bakhshi

Programme Coordinator

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