organised by
Department of Commerce and Management
Amrita School of Arts and Sciences, Kochi

in association with
Amrita Centre for Research and Development (ACRD)
About Amrita

Amrita Vishwa Vidyapeetham is a multi-campus university providing exceptional quality of education that is both modern and wholistic, with special emphasis on core human values. The university has been reaccredited by NAAC with the highest grade A (with a CGPA of 3.4 on a 4.0 scale) and is ranked as one of the best research universities in India by the reputed international ranking organizations. The university headquartered at Coimbatore is spread across the Six campuses in Three states of India - Kerala, Tamil Nadu and Karnataka.

The event is organized by the Department of Commerce and Management, Kochi. It is located in the sprawling and serene Brahmasthanam temple complex, with rich biodiversity, on the NH-17 near Edappally at Kochi. The campus with most modern infrastructure, faculty and administrative setup has excellent landscape abundant with trees and gardens. School offers Ph.D, M.Phil, ELEVEN Post Graduate (P.G), THREE Integrated U.G.-P.G and FOUR Under Graduate (U.G.) programmes under various departments.

About the Workshop

Structural Equation Modeling is a powerful multivariate data analysis technique which is widely used in many areas of research. It allows both confirmatory and exploratory modeling. Factor analysis, path analysis and regression are all special cases of SEM. Structural Equation Modeling finds wide-spread application in all the major fields of study such as Economics, Social Sciences, Biology, Psychology, Education, Healthcare, and Business. SEM using Amos enables to specify, estimate, assess and present models to show hypothesized relationships among variables. SPSS AMOS allows researchers to build attitudinal and behavioral models that reflect complex relationships.

Learning Objectives

This training will cover all the important concepts behind SEM with detailed emphasis on theory, application and interpretation. The main objective of this training is to help researchers to gain better understanding about SEM and make you proficient in the use of Structural Equation Models. At the end of this training, participants will be able to understand and apply Structural Equation Models to solve real-world challenges.

Three Day Session will be handled by

Dr. S. Sreejesh, Assistant Professor, School of Management Studies
Cochin University of Science and Technology, Kochi
Training Outline

Day 1: 30th January 2019

× Exploratory Factor Analysis: Data analysis using IBM SPSS
× Confirmatory Factor Analysis (CFA): Concepts and application
× Analysis of single order CFA model using AMOS: Estimation and results reporting
× Construction of second-order CFA using AMOS: Estimation and results reporting
× Measurement model testing: assessment of goodness of fit, the test of scale validity and reliability

Day 2: 31st January 2019

× Structural Equation Modelling (SEM): Concepts and Applications
× Path diagram construction in AMOS software
× Estimation of the model, assessment of goodness of fit indices, interpretation of the results and its reporting

Day 3: 1st February 2019

× Latent variable moderation and mediation: Discussion of various approaches
× Test of moderation and mediation in SEM framework using AMOS
× Test of latent mean and measurement invariance in AMOS
× Test of causal group invariance in AMOS

Teaching Methodology

This training will have a mix of theoretical and practical sessions. Participants will be taught about all the important concepts related to Structural Equation Modeling during the theory lectures, whereas, the practical sessions will be used to supplement the theory sessions.

Who should attend this training?

This training program is designed for graduate and post-graduate students, researchers, scholars, faculty members and working professionals who work with data and have basic knowledge about regression analysis, factor analysis and path diagrams. This training program is open to everyone who is interested in learning about Structural Equation Modeling, irrespective of his/her academic background.

Organising Team

Patron
Dr. U. Krishnakumar, Director

Workshop Chair and HOD
Dr. P. Balasubramanian

Program Convener
Dr. Ambily. A.S.

Members
Dr. S. Venugopal
Dr. N.V. Sreedharan
Sri. S. Girish
Sri. J. Jayasankar

Dr. Sony Vijayan
Prof. C.A Jagdish. S
Ms. K.G. Rajani
Ms. M.B. Krishna

Sri. K.R. Shabu
Sri. C.A. Pramod
Ms. R. Preetha
Ms. Rashmi J. Menon

Dr. N. Ajithkumar
Dr. K.K. Anoop
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Ms. Rashmi J. Menon

Dr. N. Ajithkumar
Dr. K.K. Anoop
Ms. Rashmi J. Menon
Registration Fee
Faculty members, Academicians and Practitioners : Rs. 1,500
Research Scholars, Post graduate students : Rs. 1,000

Important Note
1. Refreshment and Lunch will be provided
2. Online and spot registration permitted
3. Accommodation will be provided on five days prior notice.
4. Certificate of Participations will be issued
5. Duty certificate will be issued on request.

Contact Details
Convener:
Dr. Ambily A.S
9995861602

Register Online
www.amrita.edu/asas/kochi/amos.html