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UNIVERSITI PUTRA MALAYSIA  
BERILMU BERBAKTI

**SEKOLAH  
PERNIAGAAN DAN  
EKONOMI**  
*School of Business and Economics*

## EXECUTIVE TRAINING PROGRAM (ETP)

# BASIC WORKSHOP ON STRUCTURAL EQUATION MODELLING (SEM) USING AMOS

**12<sup>th</sup> – 13<sup>th</sup> October 2023**

**SCL 2, 1<sup>st</sup> Floor, Block E,**

**School of Business and Economics, UPM**

The workshop will expose participants with the application of Structural Equation Modeling or SEM, the Second Generation Statistical Method. SEM is widely used by researchers to analyze the inter-relationships among constructs in a model.

Upon understanding the concept of SEM, the participants will enjoy the hands-on guides on how to execute SEM using AMOS software, and also how to interpret the results.

**FEE: RM500**

**Notes & E-Certificate are provided**

**LIMITED TO 25 PAX ONLY!**

**SCAN TO REGISTER**



EXECUTIVE DEVELOPMENT AND INDUSTRIAL LINKAGES UNIT,  
SCHOOL OF BUSINESS AND ECONOMICS  
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## ABOUT THE SPEAKER



**Dr. Anusuiya A/P Subramaniam**  
Senior Lecturer  
School of Business and Economics, UPM

Dr. Anusuiya A/P Subramaniam is a Senior Lecturer at School of Business & Economics, Universiti Putra Malaysia (UPM). Her research interests include human resource development, work and organisational psychology, leadership and management.

She also portrays the role as the Editorial Board Member/Associate Editor for BMC Health Services Research, an ISI journal. She is also a Certified Professional Trainer from the Malaysian Institute of Management (MIM-CPT).

She is experienced in conducting workshops related to Systematic Way of Identifying and Writing a Research Problem and as well as Quantitative Data Analysis using SPSS and SEM-AMOS software. She has worked in leading organizations in various industries before becoming an academic.



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## COURSE CONTENT

### INTRODUCTION TO SEM AND AMOS

- What is SEM and AMOS
- SEM terminologies
- Assumptions in SEM
- Criteria for assessment of CFA models in SEM

### STAGES IN SEM ANALYSES

- Stage One: Measurement Model Assessment
  - ❖ *Assessing the Unidimensionality (Condition 1)*
  - ❖ *Reliability and Validity of the Constructs (Condition 2)*
- Stage Two: Full-fledged Structural Model Assessment
  - ❖ *Specifying structural model*
  - ❖ *Types of structural model*
  - ❖ *Assessing structural model validity*
  - ❖ *Assessing structural model fit*

### MULTI MODEL PATH ANALYSIS

- Assessment of Direct path Model vs. Indirect Path Model
- Defining Direct and Indirect Models

### TEST OF MEDIATION EFFECT

### TEST OF MODERATION EFFECT



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## GUIDE



Pre-Workshop Survey



Post-Workshop Survey



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## SCHEDULE

### DAY 1: 19<sup>th</sup> SEPTEMBER 2023 | TUESDAY

#### TIME

#### EVENT

- 9.00am • Introduction to SEM and AMOS.
- 11.00am • Stages in SEM Analyses (Stage One: Measurement Model Assessment)

1.00pm **BREAK**

- 2.00pm • Stages in SEM Analyses (Stage Two: Full-Fledged Structural Model Assessment)

5.00pm **FINISHED**

### DAY 2: 20<sup>th</sup> SEPTEMBER 2023 | WEDNESDAY

- 9.00am • Multi Model Path Analysis

- 11.00am • Test of Mediation Effect

1.00pm **BREAK**

- 2.00pm • Test of Moderation Effect

5.00pm **FINISHED**