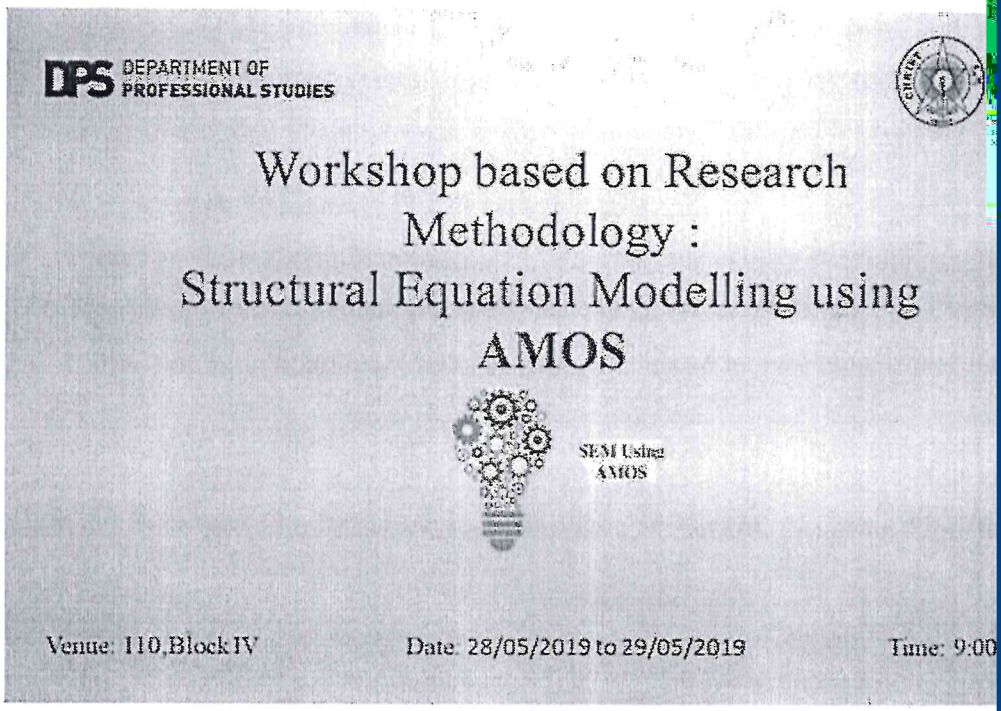
13) **Workshop based on Research Methodology : Structural Equation Model**



This QIP on 'Research Methodology' aims to provide the faculty the knowledge a implementing this general yet extremely useful technique. The session assumes no with SEM, and is intended as both a theoretical and practical introduction.

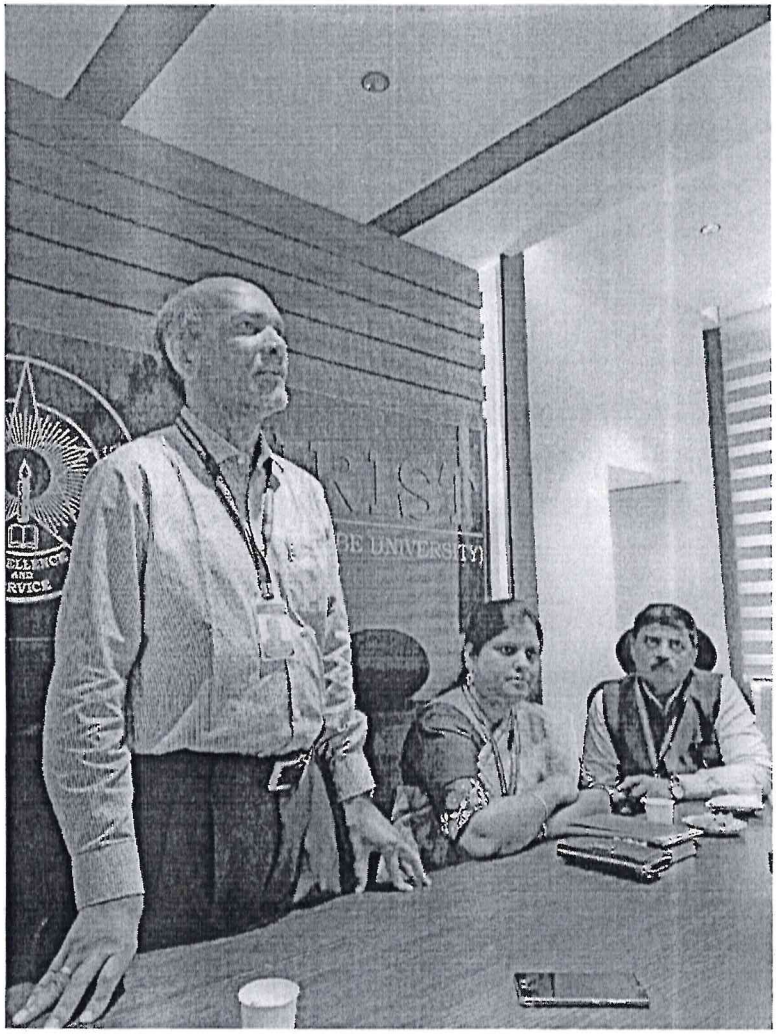
Following are the intended objectives of the session to accomplish:

- Understand how SEM builds upon and extends the principles and pra regression.
- Understand how to assess data-model fit of structural equation models.
- Understand how to specify and interpret measured variable path m extensions.
- Understand how to specify and interpret confirmatory factor models, and t
- Read and interpret applied literature that contains structural equation m theories from one's own domain of study as a structural equation model.

The session on Day 1 started with a welcome note by one of our faculty membe introduction of the Resource person. With the virtue of due understanding of the p member's varied level of exposure and experience the resource person ga introduction to the fundamental concepts of Statistics for a while. Initially he Variance, Standard Deviation, Covariance, Correlation, Level of Significance, Deg Linear Relationship, Multiple Correlation, Linear and Non-linear Models, etc. A

he gave a detailed insight of SEM and its statistical implications. Several case studies based problems and datasets were given to have a hands-on experience in IBM SPSS AMOS environment. The faculty members had a good opportunity to work on the IBM SPSS and AMOS environment with the given data sets and learnt the art of drawing inferences about the multiple level outputs generated by SPSS/AMOS. They are told clearly the inferences of Regression, ANOVA Output. Later focus was given on how to draw path diagrams in AMOS was explained with a live demo session by the resource person.

Day 2 started with the conceptual explanations on 'Linear Regression, Path Analysis'. The necessity of building Models for variables is justified with examples. Right from the 'Scratch of building a Model to the interpretation of Notes' of that Model was well covered including that of ensuring a Goodness of Fit Model. Later, how to do a Factor Analysis was demonstrated by highlighting its relationship to SEM.



Department of Professional Studies	
Workshop on Structural Equation Modeling using AMOS	
28/05/2019 to 29/05/2019	
1	Prof Biju Toms
2	Dr.Kavitha.D
3	Dr.Manjunatha Shettigara .M
4	Dr.Nilofer Hussini
5	Dr.Jerlin Jose
6	Dr.Rejoice Thomas
7	Dr Macherla Bhagylakshmi
8	Dr.Budha Anuradha
9	Dr.Chidambaram N
10	Dr. Sivarethina Mohan R
11	Ms. Sowmya Christina
12	Dr.Samreen Ayesha
13	Mr.Vinayaka Shanteshu Angadi
14	Ms.Reshma Roy
15	Ms.Tanya Kumari
16	Mr.Parthiban
17	Ms.Ayesha Javeriya Khanum
18	Dr.Elizabeth Renju Koshy
19	Dr.Kiran R Kubasadgoudar
20	Dr.Chandan Singh