



## Two Day Workshop on Structural Equation Modelling Using AMOS

(Theory and Hands-on Training Sessions)

29<sup>th</sup> February and 01<sup>st</sup> March, 2020

Time: 9:00 -17:00 hrs



Organizing Secretary

Dr. H. M. Gajipara

Professor and Head

Co-Organizing Secretaries

Dr. V. D. Tarpara

Dr. B. Swaminathan

Department of Agricultural Economics  
College of Agriculture  
Junagadh Agricultural University  
Junagadh—362001, Gujarat, India  
[www.jau.in](http://www.jau.in)

### WHO SHALL ATTEND?

This workshop is mainly intended for the enrolled PG / Ph.D. students in social science department of SAU's viz. Agril. Economics, Agril. Statistics, Agril. Extension, and Agri-Business Management and for research scholars and faculty members working in the same field.

### REGISTRATION FEE DETAILS:

Faculty from Academic Institutions : **Rs. 500/-**

Students/ Research Scholars : **Rs. 300/-**

Registration charges include workshop kit and high tea. Participants are requested to send their filled online registration form (Link Available at: <https://forms.gle/11u2rdieU17ncu1WA>) to the co-organizing secretaries on or before the last date. **The registration fee will be collected on the spot.** Participants will be selected on first come first serve basis. **The participants will have to bring their own laptops for hands-on training sessions.**

### DATES TO REMEMBER:

Last Date for Registration : **05<sup>th</sup> February, 2020**

Confirmation to the Participants : **08<sup>th</sup> February, 2020**

### ACCOMMODATION (Lodging and Food):

Accommodation (i.e. lodging and food) will be arranged for outstation participants upon early request on payment basis.

### ADDRESS FOR CORRESPONDENCE:

**Dr. V. D. Tarpara / Dr. B. Swaminathan**

Co-Organizing Secretaries,

Department of Agricultural Economics

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<b>Dr. V. P. Chovatia</b> Hon'ble Vice Chancellor Director of Research & Dean PG Studies Junagadh Agricultural University	
Chairman	
<b>Dr. B. K. Sagarka</b> DEE , JAU, Junagdh	
Expert Trainer	
<b>Dr. A. K. Subramani</b> Associate Professor & Head Dept. of Management Studies St. Peter's College of Engg. and Tech. Affiliated to Anna University, Chennai	
Organizing Secretary	
<b>Dr. H. M. Gajipara</b> Dept. of Agril. Econ., CoA, JAU, Junagadh	
Co-Organizing Secretaries	
<b>Dr. V. D. Tarpara</b> Asso. Res. Sci. Dept. of Agril. Econ. CoA, JAU, Junagadh	<b>Dr. B. Swaminathan</b> Asstt. Res. Sci. Dept. of Agril. Econ. CoA, JAU, Junagadh





**ABOUT JAU, JUNAGADH:**

Junagadh Agricultural University is one of the leading State Agricultural Universities in India. Established in 2004, the University is fast establishing its footprints in addressing the emerging challenges in agriculture. The University is ranked 20<sup>th</sup> in the latest ICAR ranking. JAU is also the recipient of INR 300 million Institutional Development Plan (IDP) sponsored by ICAR-World Bank meant for the skill development of undergraduate students.

The university has 03 agricultural colleges besides one college each for agricultural engineering, horticulture, veterinary, fisheries and agri-business management. JAU has a robust research system with 27 research stations and a vibrant extension education system with 07 Krishi Vigyan Kendras with the mandate of teaching-research-extension.

The Department of Agricultural Economics, College of Agriculture, Junagadh was established in 1960. The PG programme is being offered at the Department from 1968 onwards. The Department is offering courses to the tune of 52 credits at both agriculture and horticulture colleges. Presently, there are 7 faculties working in the Department and a total of 22 students pursuing their full-time PG degrees. The Department has so far guided 81 Master’s and 23 Doctoral degree candidates. The alumni of the Department are working in various official positions in academics, banking, civil services, line departments and MNCs.

**ABOUT THE WORKSHOP:**

Realizing the need for econometric analysis among Postgraduate students in Social Science discipline, the Department of Agricultural Economics, College of Agriculture, Junagadh Agricultural University, Junagadh will be organizing a two-day workshop on: “Structural Equation Modelling Using AMOS” wherein both theoretical and practical exposures will be given on two vital econometric/statistical software packages viz. SPSS (Statistical Package for Social Sciences) and AMOS. The workshop shall also pose to be an opportunity to understand the possibilities of conducting inter-disciplinary research.

**Specifically, the workshop will focus on:-**

- Developing a better understanding of basic concepts and principle behind Structural Equation Modelling;
- Enhancing knowledge and developing skills for data visualization;
- Developing requisite skills to handle and transform data using SPSS & AMOS;
- Augmenting knowledge and skills for interpretation and presentation of results;
- Hands-on training session using AMOS.

**DELIVERABLES:**

1. Trial version of SPSS and AMOS software packages
2. Presentation Materials and Working Files
3. Certificate of Participation

**SYLLABUS:**

- Basic Concepts of Covariance, Regression & Moments; Determining sample size for SEM; Data Management for SEM; Installation & Introduction to IBM SPSS AMOS; Confirmatory Factorial Analysis (CFA); Model Building; Model Corrections / Refinement; Evaluating the model’s efficiency; Finalizing the model; and Report preparation for SEM models.



Two Day Workshop on  
**Structural Equation Modelling  
Using AMOS**

29<sup>th</sup> February and 01<sup>st</sup> March, 2020

Time: 9:00 -17:00 hrs

Venue: Seminar Hall, Dept. of Agril. Econ.,  
CoA, JAU, Junagadh

**REGISTRATION FORM**

Name:.....

Designation: .....

Organization: .....

Address for Correspondence:

.....

.....

.....

Pin Code: .....

Phone: .....

E-mail: .....

Payment Details:

**Payment will be collected on-the-spot.**

Accommodation required:

☐Yes

☐No

Signature with Date