



**Offline Mode**

**3 Days workshop  
on  
Structural Equation  
Modeling using AMOS**

**11th -13th  
May,  
2023**

**ORGANIZED BY**  
Department of Geography  
Rampurhat College

**In Collaboration with**

Internal Quality Assurance Cell  
Rampurhat College

Rampurhat, Birbhum-731224,  
West Bengal, India  
[www.rampurhatcollege.ac.in](http://www.rampurhatcollege.ac.in)

**Resource Person**

**Dr. Baidyanath Pal**  
Associate Scientist - C (Former)  
Indian Statistical Institute (ISI)

[Register here](#)

**Coordinators**

**Dr. Jayanta Das  
Asraful Alam**

Assistant Professor  
Department of Geography  
+Rampurhat College

**Important Dates**

Last date (Online Registration): 08-05-2023  
Confirmation by E-mail: 09-05-2023

## About Rampurhat College

Rampurhat College (Govt. Spons.), established in 1950, has traversed a long path warding off the challenges of time and put its mark in the history of higher education in the area. It is affiliated to The University of Burdwan. The College has three shifts-Morning, Day and Evening. Honours and General subjects are taught in the day shift the morning shift only for the Arts general stream and the evening shift is exclusively for the Commerce, both Honours and General. It has been accredited by the National Assessment and Accreditation Council (NAAC) with a B grade for its high standards of education.

## About the Department of Geography

Geography started at Rampurhat College in the year 2003. Now the department is equipped with a good laboratory and up-to-date geological instruments. The young faculties encourage a research-oriented approach among their students. Study tours, seminars, e-magazines, and continuous field surveys with students make the Department of Geography a vibrant one. The primary objective of the department is to deliver education of the highest quality that is geared toward preparing students for successful careers. The department is focused on equipping students with the necessary skills and knowledge to learn their courses with proficiency, and to empower them towards progress, advancement, dissemination, and the attainment of higher education. In essence, the department is committed to fostering a learning environment that is supportive, empowering, and geared towards the realization of students' goals.

## About the Workshop:

The 3-day workshop on Structural Equation Modeling (SEM) using AMOS is designed to provide participants with an introduction to the use of AMOS in Structural Equation Modeling. The workshop will be started from 11th to the 13th of May 2023. The workshop is intended for individuals interested in using Structural Equation Modeling to analyze data in their research or work. The objective of the workshop is to provide participants with a comprehensive understanding of Structural Equation Modeling and how to use the AMOS software to analyze their data. During the workshop, participants will learn about the theoretical background of Structural Equation Modeling and how to apply it to their research questions. They will also gain hands-on experience using AMOS to create and analyze their own models.

By the end of the workshop, participants will have a solid foundation in the use of AMOS for Structural Equation Modeling and will be able to apply this knowledge to their own research or work. The workshop is ideal for researchers, academics, and professionals in the fields of social sciences, geography, botany, mathematics, statistics, psychology, education, marketing, and business. The workshop will cover the following topics:

- Introduction to SEM
- T-test
- ANOVA
- Correlation & Regression
- Explanatory Factor Analysis (EFA)
- Confirmatory Factor Analysis (CFA)
- Measurement model specification
- Structural model specification
- Model evaluation and modification



## Resource Person

The primary resource person is Dr. Baidyanath Pal, who holds an MSc. in Mathematics and a Ph.D. in Statistics. Dr. Pal is an Associate Scientist - C (Former), Indian Statistical Institute (ISI), Kolkata and has extensive experience in teaching and research in the field of statistics.

### Certification:

The certificate will be provided to the participants, with at least 80% attendance, upon successful completion of the program.

### Tools Used:

SPSS, AMOS, Excel.

### Target Group and Prerequisites:

Professionals (faculty members, scientists, research scholars, PG & UG Students and industrial personnel etc. ) who are interested in learning about SPSS and AMOS. It is particularly relevant for those in the fields of social sciences, geography, botany, mathematics, statistics, psychology, education, marketing, and business.

### Instructions to Participants:

Participants are expected to bring their own laptop with the required specifications.

### How to Apply?

Interested candidates must deposit the non-refundable registration fee through Banking.

After payment, the generated the payment slip and attach it with the registration form available at the following link

<https://forms.gle/4sk2N4Cwa9foEhUy9>

### Registration Fee Details:

| Participants                         | Without Accommodation (₹) | With Accommodation (₹) |
|--------------------------------------|---------------------------|------------------------|
| UG students                          | 1000                      | 1500                   |
| PG Students, Ph.D. students, Faculty | 1500                      | 2000                   |
| Participants from Industry           | 3000                      | 5000                   |

## Mode of Payment

The registration fee needs to be paid through bank transfer, the details of which are given hereunder:

Name of Account: **Rampurhat College Commerce Fund**

Bank Name: **Central Bank of India**

Branch: **Rampurhat**

Account Number: **2047400284**

IFSC Code: **CBIN0281428**

MICR Code: **73101602**

### Important Information:

- Registration is mandatory for participation in the workshop, there is no provision for spot registration.
- Selected participants will be informed through mail.
- It is mandatory to fill up the feedback form after completion of the workshop for certificate of participation.

## Details Curriculum

| Day & Timings                              | 11 am - 1 pm   | 1pm - 2pm   | 2 pm - 4 pm   |
|--|--|-------------|---|
| Day 1<br>(11 <sup>th</sup> May - Thursday) | T-test (Theory & Hands-on)                             |             | ANOVA (Theory & Hands-on)                             |
| Day 2<br>(12 <sup>th</sup> May - Friday)   | Correlation & Regression (Theory & Hands-on)           | Lunch Break | Explanatory Factor Analysis (EFA) (Theory & Hands-on) |
| Day 3<br>(13 <sup>th</sup> May - Saturday) | Confirmatory Factor Analysis (CFA) (Theory & Hands-on) |             | Confirmatory Factor Analysis (CFA) (Hands-on)         |

## Contact for Correspondence to Course Coordinators

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**Chief Patron**  
**Dr. Asish Banerjee**  
 President, Governing Body  
 Rampurhat College



**Patron**  
**Dr. Buddhadeb Mukherjee**  
 Teacher-in-Charge  
 Rampurhat College



**Chairperson**  
**Dr. Prabal Kumar Sinha**  
 IQAC Coordinator and  
 Associate Professor,  
 Department of Philosophy,  
 Rampurhat College

**Joint Organizing Secretary**



**Dr. Bhaswati Mondal**  
 Assistant Professor,  
 Department of Geography,  
 Rampurhat College



**Dr. Koyel Mukherjee**  
 State-Aided College Teacher,  
 Department of Geography,  
 Rampurhat College



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 Assistant Professor  
 Department of Geography  
 Rampurhat College

**Technical Assistant**



**Mrs. Pinki Rooj,**  
 Head clerk in charge,  
 Rampurhat College



**Mr. Supriya Sen,**  
 Lab attendant,  
 Rampurhat College

**FACTS ARE STUBBORN THINGS, BUT STATISTICS ARE PLIABLE**