

Application Form

(To be recommended by the HoD)
SERB Sponsored
High End "Karyashala" Workshop
on

Econometric Analysis of Efficiency and Productivity with Stochastic Frontier Approach

From 14th June to 20th June 2023

Organized by
Deptt. of West Asian and North African Studies
Faculty of International Studies
Aligarh Muslim University, Aligarh, 202002

Name (in capital letter)

.....

Gender

E-mail

Contact No.

Name and Address of the Department/Institution

.....

Name of Course (with Subject) Currently Pursuing

.....

% of Marks in UG

% of Marks in PG

Ph.D. Enrollment date

Ph.D. Topic

.....

Accommodation Required (Yes/No)

Signature of the Applicant with date
CERTIFICATE

It is certified that information furnished above is correct
and is a student of our
Institute/University. He/She is permitted to
attend the workshop

Signature of the Recommending Authority /
Head of the Department/ Institute along with Seal



Patron
Prof. Mohammad Gulrez
Vice Chancellor, AMU, Aligarh

Dean
Prof. Jawaid Iqbal
Faculty of International Studies, AMU, Aligarh

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Prof. Muhammad Azhar
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About Karyashala

Karyashala Scheme is a program of the Science and Engineering Research Board (SERB) of the Department of Science and Technology (DST), Government of India under Accelerate Vigyan. It aims to provide hands-on training to PhD and PG students in the use of high-end scientific instruments and techniques. The program is designed to help students develop the skills and knowledge necessary to conduct cutting-edge research in their chosen fields.

The Karyashala Scheme is a valuable opportunity for PhD and PG students to develop the skills and knowledge necessary to conduct cutting-edge research. The program provides students with the opportunity to learn from experts in their field and to network with other researchers. The Karyashala Scheme is a great way for students to start their research careers and to make a significant contribution to science and technology.

About Aligarh Muslim University

Aligarh Muslim University (AMU) is a public central university located in Aligarh, Uttar Pradesh, India. It was established in 1875 by Sir Syed Ahmad Khan, a Muslim social reformer and educationist, as the Muhammadan Anglo-Oriental College. The university was renamed Aligarh Muslim University in 1920. AMU is one of the oldest and most prestigious universities in India. It is known for its high academic standards and its commitment to social justice. The university offers a wide range of undergraduate and postgraduate courses in a variety of disciplines, including arts, science, engineering, medicine, law, and commerce. AMU also has a number of research centers and institutes. AMU has a diverse student body, with students from different religions, castes, and socioeconomic backgrounds. The university also has a strong alumni network, which includes many prominent figures in Indian society.

About the Department

The Department of West Asian Studies (CWAS) was established in 1967 as an independent, interdisciplinary, area study center at the Aligarh Muslim University. The status of the center on the recommendation of the UGC Expert Committee Report, was subsequently converted into the Department of Studies in 1996. The geographic area under study includes Iran, the fertile crescent, Turkey, Arabian Peninsula and North African region. Besides multidisciplinary research, the Department is involved in teaching, training and evaluation. The

Department's faculty, represents a variety of disciplines, such as Political Science, Economics, History, Geography, Sociology and Arabic. The activities of the Department include undertaking of in-depth research studies, organization of conferences, seminars, symposia, workshops and group discussions on varied aspects of the Area. Faculty Member in the Department, coming from different disciplines are engaged in both theoretical and empirical research.

About the Workshop

Improvement of efficiency and productivity (both output and input based) is one of the core challenges facing India Economy. Challenge of efficiency improvement is ubiquitous across sectors and industries of an economy. In this scenario, measurement of efficiency and productivity is one of the prerequisites. The proposed workshop aims to expose participants with both the theoretical and empirical domains of efficiency measurement. The main focus of the workshop will be to train students and research scholars in the data management and estimation of various models using available software (STATA and R). Further, it will also acquaint them with the recent developments both in theory and empirics with emphasis on applications. The workshop will target mainly research scholars in the early stage of their research and will also accommodate few PG students. Specifically it will try to achieve following objectives:

1. To expose participants with the theoretical background of the econometric measurement of efficiency analysis.
2. To demonstrate various software tools used in the area.
3. To provide hands-on training
4. To aware them about the recent developments and applications of the efficiency analysis.

Intake and Eligibility

Intake: 25 (Ph.D. and P.G. Students)

Eligibility: Ph.D. Scholars in the early stage of research and P.G. Students, having Knowledge of economic theory, Basic econometrics. Knowledge of statistical software's is desirable.

Selection Criterion: In addition to meeting the eligibility requirements, final selection will be based on well-defined criteria established by the duly constituted selection committee.

Important Dates:

Registration Opening: 16/05/2023

Last Date for Registration: 31/05/2023

Intimation to the Selected Participants: 03/06/2023

Workshop Dates: 15/06/2023 to 20/06/2023

Registration and other Information

- There is no registration fees.
- Participant will get TA reimbursement as per SERB Guidelines.
- Accommodation will be provided on sharing basis within the University Campus.
- Interested candidates satisfying eligibility criterion are requested to apply on the Google-form link below by filling details and uploading the required documents.

Link for Downloading Format of Recommendation form:

https://docs.google.com/document/d/13CCbMSQ_MwfuGoBf-

[DCFrNzvhb2vGnOsx76s3TKRTdFs/edit?usp=sharing](https://forms.gle/ed8MuMjTUwcrecg6)

Link for filling Online Google Form:

<https://forms.gle/ed8MuMjTUwcrecg6>



Certificate: A certificate will be given to those who successfully complete the course and meet the other criteria set by SERB.

Areas to be covered

1. Panel Data Regression Analysis
2. Economic Foundations of Efficiency Analysis
3. Measuring Efficiency: Formulation, Data Issues and Approaches
4. Stochastic Frontier Approach for Efficiency Measurement
5. Stochastic Frontier Approach in Cross Sectional Setting
6. Stochastic Frontier Approach using panel data
7. Total Factor Productivity Decomposition Using SFA
8. Recent Developments in Efficiency Measurement
9. Meta Frontier Efficiency Analysis
10. Application of Frontier Analysis in Various Areas
11. Hands on Sessions on all the aspects Using STATA, FRONTIER 4.1 and R

Resource Persons

Distinguished experts from IITs, IIMs, and central universities will be invited to speak and give hands on training on the topics under consideration.