



Aligarh Muslim University, Aligarh

Gian
Global Initiative for Academic Networks



Ministry Of Human Resource Development
Government of India

On the Eve of Centenary Year Celebration 2020

The Department of Economics Organises

One Week Course on

**REMOTE SENSING (RS) BASED RESOURCES AND THEIR APPLICATION
IN CROP MONITORING AND CROP MODELLING**

13th July – 19th July 2020



Foreign Faculty

Prof. Segundo Edilberto Vergara Medrano
Department of IFA
National University of Jaen, Peru



Host Faculty

Dr. Dastgir Alam
Department of Economics
Aligarh Muslim University, Aligarh



Registration Fee

Category	Without Food & Lodging	With Food & Lodging
Delegate	₹ 3000/-	₹ 5000/-
Student*	₹ 2500/-	₹ 4500/-
Overseas Delegate	\$ 300 US	

*Student should submit certificate from Head of the Department

Payment Details

Account Name GIAN ECO
Account Number 5247101010151
Bank Name Canara Bank
IFSC Code CNRB0005247

Who can Participate

Under Graduate, Post Graduate and Research Scholars from Department/Faculty of Economics, Geography, Geology, Botany, Wildlife, Agricultural Sciences, Remote Sensing & GIS, Commerce, Management and Social Work.

Executives, Administrators, Academicians and Researchers from Government/Non-government organisations involved in the above mentioned disciplines.

Online Registration at

(On or before 25th June 2020)



Local Coordinator

Prof. M. J. Warsi
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Aligarh - Uttar Pradesh
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Venue

**Department
of
Economics
Faculty of
Social Sciences
A.M.U., Aligarh
Uttar Pradesh**

About GIAN

Global Initiative of Academic Networks (GIAN) in Higher Education aimed at tapping the talent pool of scientists and entrepreneurs, internationally to encourage their engagement with the institutes of Higher Education in India so as to augment the country's existing academic resources, accelerate the pace of quality reform, and elevate India's scientific and technological capacity to global excellence.

About Aligarh Muslim University

Aligarh Muslim University (AMU) occupies a unique position amongst universities and institutions of higher learning in the country. It was established in 1920, and evolved out of the Mohammedan Anglo-Oriental (MAO) College which was set up in 1875 by the great visionary and social reformer, Sir Syed Ahmad Khan. From its very inception, it has kept its door open to the members of all communities and from all corners of the country and the world. The Aligarh Muslim University is the realization of a vision which was broad, far-reaching and realistic. There are three fully functioning off-campus centers located in the cities of Malappuram (Kerala), Murshidabad (West Bengal) and Kishanganj (Bihar). Spread over 467.6 hectares in the city of Aligarh, Uttar Pradesh, Aligarh Muslim University offers more than 300 courses in the traditional and modern branches of education. It draws students from all states in India and from different countries, especially Africa, West Asia and Southeast Asia. In some courses, seats are reserved for students from SAARC and Commonwealth Countries. The university is open to all irrespective of caste, creed, religion or gender. It ranks 8th among the top 20 research universities in India.

About the Department

The Department of Economics is one of the main constituent departments of the Faculty of Social Sciences, which was established in 1920. It offers courses on B.A. (Hons.), M.A., M.Phil. and Ph.D. in Economics. The teaching programmes in the Department focus on right blend of quality and policy relevance learning.

Objectives of the Course

- i. Exposing participants to the fundamentals of remote sensing and geographical information system.
- ii. Preparing Indian agricultural labour force for precision agriculture.
- iii. Providing exposure to practical problems and their solutions in obtaining numerical values for a given indicator with the help of satellite images.
- iv. Enhancing the capability of the participants to identify, control and remove problems related to use of RS and GIS in crop monitoring and crop modelling.

Faculty Members

Prof. Md. Tarique

Department of Economics
Aligarh Muslim University
Aligarh



Dr. Jamil Ahmad

Department of Economics
Aligarh Muslim University
Aligarh



Dr. Mohd Nazish Khan

Interdisciplinary Department
of Remote Sensing and GIS
Aligarh Muslim University
Aligarh



Dr. Mohd Murtaza

Department of Economics
Aligarh Muslim University
Aligarh



Course Details

LECTURE	TOPIC	FACULTY
Day-1: 13-07-2020 (Monday)		
Lecture #1 9:00 am – 10:00 am	Concepts and Principles of RS, GIS and GPS	Prof. Segundo Edilberto Vergara Medrano Dr. Mohd Nazish Khan
Lecture #2 10:00 am – 11:00 am	Applications of RS, GIS and GPS in Agriculture	
Tutorial/Practical #1 11:15 am – 1:15 pm	Problem Solving Session with Examples	
Day-2: 14-07-2020 (Tuesday)		
Lecture #3 9:00 am – 10:00 am	RS-Image Registration & Error Correction	Prof. Segundo Edilberto Vergara Medrano Dr. Mohd Nazish Khan
Lecture #4 10:00 am – 11:00 am	RS- Data Acquisition	
Tutorial/Practical #2 11:15 am – 1:15 pm	Problem Solving Session with Examples	
Day-3: 15-07-2020 (Wednesday)		
9:00 am onward	Field Visit	Prof. Segundo Edilberto Vergara Medrano Prof. Md. Tarique, Dr. Dastgir Alam Dr. Jamil Ahmad, Dr. Mohd Nazish Khan Dr. Mohd Murtaza
Day-4: 16-07-2020 (Thursday)		
Lecture #5 9:00 am – 10:00 am	Selection of an Area on Satellite Map: Application of GIS and GPS	Prof. Segundo Edilberto Vergara Medrano Dr. Mohd Nazish Khan
Lecture #6 10:00 am – 11:00 am	Analysis of Soil Characteristics: Application of RS and GIS	
Tutorial/Practical #3 11:15 am – 1:15 pm	Problem Solving Session with Examples	
Day-5: 17-07-2020 (Friday)		
Lecture #7 9:00 am – 10:00 am	Climatic Conditions/Weather Analysis: Application of RS and GIS	Prof. Segundo Edilberto Vergara Medrano Dr. Mohd Nazish Khan
Lecture #8 10:00 am – 11:00 am	Creating an NDVI Map for a Selected Area and Its Interpretation in Agriculture	
Tutorial/Practical #4 11:15 am – 12:30 pm	Problem Solving Session with Examples	
Day-6: 18-07-2020 (Saturday)		
Lecture #9 9:00 am – 10:00 am	Agricultural Production Function: An Econometric Analysis	Prof. Md. Tarique Dr. Dastgir Alam Dr. Jamil Ahmad Dr. Mohd Murtaza
Lecture #10 10:00 am – 11:00 am	Crop Modelling and Crop Monitoring: Application of RS and GIS	
Tutorial/Practical #5 11:15 am – 1:15 pm	Problem Solving on Crop Modelling and Crop Monitoring: Application of RS and GIS	
Tea Break –11:00 am – 11:15 am		

Course Coordinator

Dr. Dastgir Alam

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Course Co-Coordinator

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