

DEPARTMENT OF GEOGRAPHY
SHYAMA PRASAD MUKHERJI COLLEGE FOR WOMEN
UNIVERSITY OF DELHI

Name of Department: Department of Geography
Event No.: 07
Name of Activity: A Special Lecture
Name of Coordinator, Convener, Co-Convener: Dr. Rachna Dua, Md. Arif Husain, Prem Prakash
Date: 12 th April, 2023
Time: 11:30 a.m. to 1:00 p.m.
Venue: Department of Geography
Number of Participants: 99
Name of Topic: Conference Room-1
Name of Speaker: Prof. Anindita Datta
Speaker's Designation: Head of Department of Geography, University of Delhi, Chairperson Steering Committee, IGU, Commission for Gender & Geography
Financial Assistance: 4000 (Approximately)

Objectives

“Space is not innocent of gender and gender is not unaware of space.”

- The participants will be able to pursue their interests and goals regardless of gender stereotypes.
- With this lecture, they will be able to position themselves in the public space.
- This will create mobility amongst the participants to speak up and stand up for them against harassment.

Methodology: The Geography of Gender is a field that has emerged to explore the relationship between gender and space in young minds. It is poised to push the disciplinary boundaries and engaged the participants in a meaningful session.

Outcomes: “There are many stories which are not on paper. They are written in the bodies and minds of women.” This session threw light on visibilizing women in the societal sphere and how geography has been notoriously andocentric and concluded leaving a meaningful imprint about the various genderscapes.

Brief Report:

The Department of Geography, Shyama Prasad Mukherji College for Women has successfully organized a special lecture session on “Geographies of Gender: Issues, Approaches & Experiences” to spread awareness amongst the youth. The convenor of the event was Dr. Rachna Dua and co-convenor was Md. Arif Husain and Mr. Prem Prakash. The event was enhanced by a distinguished speaker Prof. Anindita Datta, Head of Department of Geography, University of Delhi. Prior to the inauguration of the event the 1st, 2nd and 3rd years along with Mr. Amit, our Lab Assistant collectively worked for the decoration in conjunction with the rangoli. The event was coordinated and hosted by Ms. Cherry Chaudhary and Ms. Dishita Prasad from 3rd year respectively. The session commenced with the “Lamp Lighting” ceremony by the guest of honour and the faculty members of the department.

Within you is the light of a thousand suns”. The melodious segment embarked on with the Saraswati Vandana by the students of 2nd and 3rd years. Prof. Datta was welcomed with a planter by Dr. Rachna Dua accompanied by Ms. Cherry Chaudhary and Ms. Varsha. Dr. Rachna Dua opined on the importance of issues related to gender in the society. She elucidated on the early life of Prof. Anindita Datta, expressing her views of how she has travelled to many parts of the country thus revealing her interests in the field of Geographies of Gender. Prof. Anindita Datta prodigiously remarked about the gender roles shaped by space. She began with a significant question about the safety concerns regarding women quoting examples from her personal experiences. She highlighted about the inclusion of a course in the UGC model Syllabi (2001)-Geographies of Gender. She discerned her knowledge on the stereotypes and gender disparities faced by men, women and trans-genders.

The symposium was wrapped up with an enthusiastic interactive session by the students and Faculty members of the Department making it an alluring session. The event was successfully winded up with a vote of thanks by Ms. Anuradha Shankar and Dr. Rachna Dua.



Glimpses of a Special Lecture

Name of Department: Department of Geography
Event No.: 02
Name of Activity: One Day QGIS Training Workshop
Name of Coordinator, Convener, Co-Convener: Dr. Rachna Dua, Md. Arif Husain, Shashank K. Singh
Date: September 14, 2022
Time: 9:30 a.m. to 4:30 p.m.
Venue: Department of Geography
Number of Participants: 99
Name of Topic: QGIS Training Workshop
Name of Speaker: Dr. Pankaj Kumar
Speaker's Designation: Associate Professor, Department of Geography, Delhi School of Economics, University of Delhi- 110007
Financial Assistance: 4000 (Approximately)

Objectives:

“To develop the skill in the participants to work on QGIS software”

- To acquaint participants with the importance of spatial technology in day-to-day life.
- Development of the skills in different steps of working on QGIS like registering the map, digitizing the map, entering the data, and attaching data to prepare the thematic map of their interest.
- Appreciating the role of remote sensing and GIS in disaster management, planning, and governance.
- Based on the exposure the participants would prepare a project work of their interest.

Methodology:

QGIS software was installed in the laptops of all the participants which is open-source software and runs well on different operating systems. Being free, it enables individuals like us to make significant cost savings and put mapping at our fingertips. It is capable of handling numerous different database functionalities as well as formats. QGIS users are also benefited from many plug-ins that extend the functionality of QGIS. It also provides a web application, spatial file browser, and server applications as well. The Landsat satellite data was shared with the participants and downloaded from the Earth explorer gateway of USGS. The shp. file of North West Delhi was also shared with participants before starting the workshop. The workshop had been divided into 2 sessions and the outline of the workshop is given below:

Outline of Workshop

Session I

- I. 10.00 AM-11.00 AM: Introduction to QGIS Software**
 - Project setup
 - Components of the user interface
 - QGIS Tools and Plugins

- II. 11.00 AM-1.00 PM: Demo QGIS Software (Part I)**
 - Introduction of Gateway to Download Satellite Image: USGS & Bhuvan
 - Layer Stacking
 - Subset Clipping
 - Atmospheric Correction
 - False Colour Composite (FCC)
 - Satellite Image Interpretation

Lunch Break

(1.00 PM – 2.00 PM)

Session II: 2.00 PM to 5.00 PM

Session II

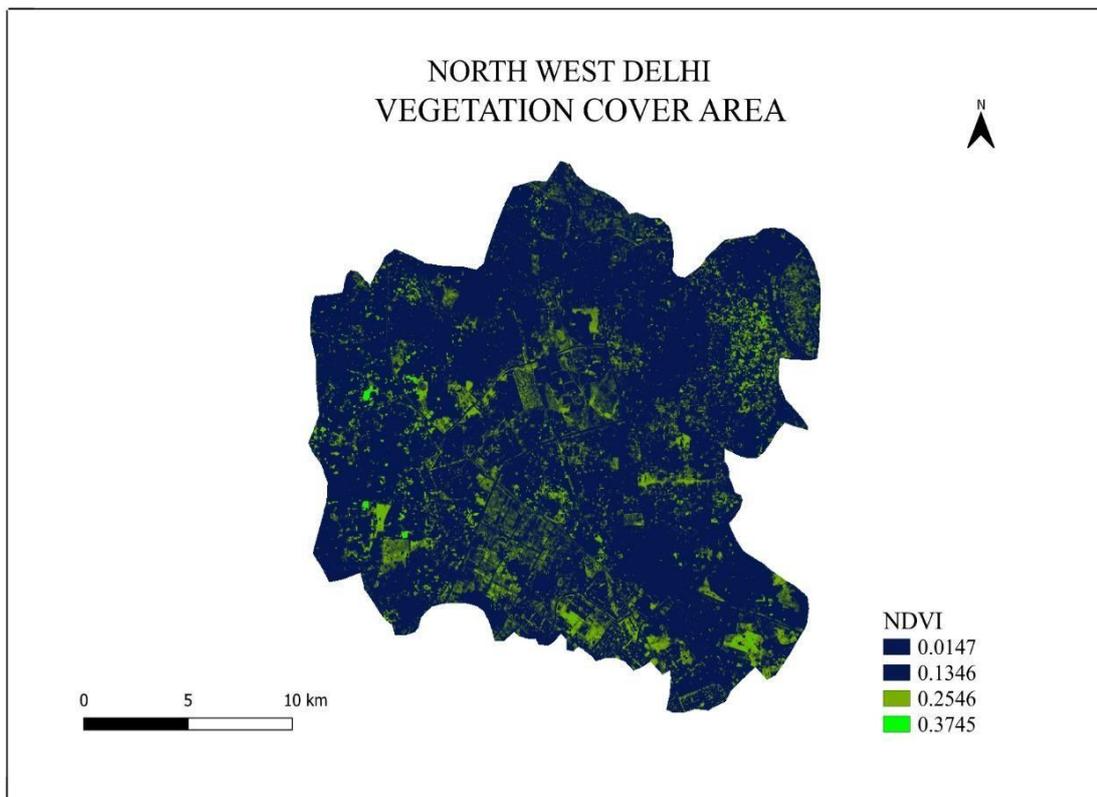
- I. 2.00 PM -3.00 PM: Demo QGIS Software (Part II)**
 - Normalised Difference Vegetation Index (NDVI)
 - Reclassification
 - Layout Design

- II. 3.00 PM-4.00 PM: Application of Remote Sensing and GIS**
 - Disaster Management

- III. 03.30 PM-04.30 PM: Feedback Session**
 - Doubt clearing
 - Feedback

Outcomes:

At the end of the workshop, students were able to understand the working of QGIS software with the help of practical and hands on session. The participants learned about processing satellite data like Layerstacking, Subset Clipping, Creating False Colour Composite (FCC) from different bands of satellite data, Interpretation of satellite images, calculation of Normalized Difference Vegetation Index (NDVI), and Layout designing. Students also learned how to make a vegetation cover map from satellite data. The vegetation cover map of North West Delhi was made by students during the workshop which has been attached below.



Students also learned about the application of Remote Sensing and GIS in disaster management like how the dynamics of glaciers, glacial lakes, flash floods, river courses, and forest fires can be monitored.

Feedback form and responses: <https://forms.gle/MfsjOrrE1PEVTMcA>

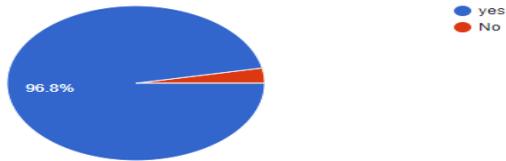
Total responses – 95

On 14th September 2022 Google form was circulated to record responses via asking different questions. Students from 2nd and 3rd years found this workshop very interactive and claimed it to be helpful in future academic endeavors.

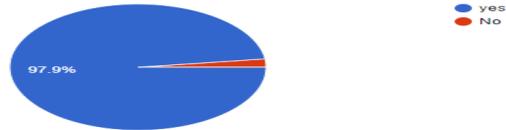
Do you think the training will be useful in your future academic endeavor's ?
95 responses



Did the training met your expectations
95 responses

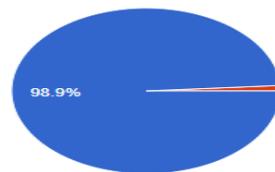


Was the workshop well organized ?
95 responses

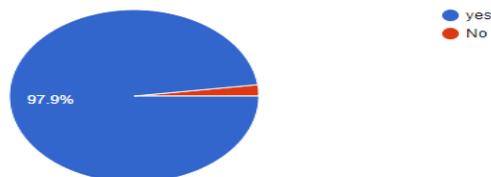


Did you understand the instructions given by the guest ?
95 responses

yes
No



Are you satisfied with the hands on experience which the workshop provided ?
95 responses



List of Participants:

The image displays four scanned attendance sheets. The top-left sheet is titled 'ATTENDECE SHEET - 3RD YEAR' and lists 40 students. The top-right sheet is titled 'ATTENDECE SHEET - 2ND YEAR' and lists 43 students. The bottom-left sheet is titled 'ATTENDECE SHEET - 3RD YEAR' and lists 40 students. The bottom-right sheet is titled 'ATTENDECE SHEET - 3RD YEAR' and lists 40 students. Each sheet has columns for SNO, NAME, ROLL NO, EMAIL ID, and SIGNATURE. The sheets contain handwritten entries for various students.

Link of Registration Form Responses: <https://forms.gle/3rK257iXRBfRfq7MA>

Brief Report:

On 14th September 2022 Department of Geography, Shyama Prasad Mukherji College for Women, University of Delhi organized a “ONE DAY QGIS TRAINING WORKSHOP. The teacher in-charge and Coordinator of the workshop was Dr. Rachna Dua. The convener and co-convener of the workshop were Md. Arif Husain and Mr. Shashank K. Singh. The workshop was graced by Associate Professor Dr. Pankaj Kumar, Department of Geography, Delhi School of Economics, as the Resource Person. The event was magnified by the welcoming of the Resource Person followed by the lamp lighting and Saraswati Vandana.



Glimpses of the QGIS Training Workshop

Dr. Pankaj Kumar enlightened the students and gave an introduction to GIS and Remote Sensing. Sir described the components and the user interface, QGIS tools, and plugins. After the introduction, a preview of the QGIS software was given. He gave an introduction to Gateway to download Satellite Images from USGS & Bhuvan. He gave emphasis on layer stacking, subset clipping, atmospheric correction, false color composition (FCC), and satellite image interpretation. He also dealt with complete description of the Normalized Difference Vegetation Index (NDVI), reclassification, and layout designing. Students were performing the same on their systems. After the completion of the given task, sir explained the applications of Remote Sensing and GIS in Disaster Management. He also shared his personal experiences of fieldwork. At last, sir took a doubt clearing session in which students asked their doubts and sir answered all the questions asked by them.



Group Photo of Students with Dr. Pankaj Kumar



Glimpses of the QGIS Training Workshop

The workshop ended around 4: 30 PM. The experience of this full-day workshop was incredible. It was overwhelming to learn new skills on QGIS Software.