



**Department of Geography**  
**Serampore Girls' College**

(Affiliated to the University of Calcutta)

13, T.C. Goswami Street, Serampore, Hooghly - 712201, West Bengal, India

**30 Hours Add on / Certificate Course**

on

**Hands on tool Programme in Practical Geography**

**For Undergraduate students (Session 2022-2023)**

**Starting date: March 20, 2023**

**Venue: Department of Geography, Serampore Girls' College**

**(20<sup>th</sup> -25<sup>th</sup> March 2023)**

**About the college**

Serampore Girls' College was established in 6<sup>th</sup> June, 1981 by a group of visionaries who stood for the propagation of female education in this part of our sub-divisional town. This college, fittingly inaugurated by the noted educationist and the then President of West Bengal Higher Secondary Council late Smt. Anila Devi, catered to a long standing demand of the local people for a college exclusive for Girls' which originally started with only 47 of students on its roll and with only seven general subjects in humanities group. In 1983 the first batch of students was sent for their Graduation Examination and since then it has maintained its steady journey with an average of 2000-3000 students on its roll per year (College official Website: <http://seramporegirlscollege.org/sgc/>).

**About the department**

Department of Geography started its journey from the academic session 1998-1999 & 2001-2002 under the University of Calcutta with the introduction of both -general and honours courses respectively. From the very beginning, the department is improving the academic standard and the performance of the students. The department has a rich variety of learning –teaching resources consisting of seminar library, computer laboratories, soil laboratory, and cartography laboratory including modern surveying equipments. Remote Sensing & GIS facilities are ready for the students so that they can have access to the most updated knowledge of Geography. This will empower them to peruse higher studies directly or indirectly related to Geography. Department of Geography is the Nodal Centre of Indian Institute of Remote Sensing Distance Learning Certificate Course (IIRS Outreach Programme), Department of Space, Government of India, Dehradun. The major activities of the department are regular class work, internal assessment, yearly test, remedial classes for all students (both theory and practical) GIS practice on regular basis, field study and syllabus oriented topic based class seminar. The department encourages the students to participate in poster presentation, seminars, projects, fieldwork excursions to acquire geographical knowledge from the real experience. The department has well-stocked books for regular use of the students. The modern teaching method with the aid of projectors to provide audio-visual inputs has been practiced in the department (Departmental Website: <http://seramporegirlscollege.org/sgc/department.php?did=Geography>).

## About the course

The main objective of this 30 Hours Add on / Certificate Course on Hands on tool Programme in Practical Geography for Undergraduate students is to extend some Practical Geography in order to explain with the help of different practical instruments and modern techniques based on Undergraduate syllabus (CBCS). It is our expectation that valuable deliberation of the resource persons will help to understand the Undergraduate Practical Geography.

## Why should you choose this course?

After completion of the course, the participants

- Will learn the basics of surveying.
- Will learn the determination of soil reaction (pH) and salinity using field kit.
- Will improve the technical skill regarding Theodolite.
- Will learn Principles of GNSS positioning and waypoint collection and transferring of GNSS waypoints to GIS.

## Resource Persons

1. **Dr. Malay Ganguli**, Department of Geography, Sister Nibedita Government General Degree College for Girls, University of Calcutta, West Bengal
2. **Dr. Suman Saren**, Department of Geography, Swami Niswambalananda Girls' College, University of Calcutta, West Bengal
3. **Mr. Amiya Gayan**, Department of Geography, Midnapore College, Vidyasagar University
4. **Mr. Gopal Chandra Banik**, Department of Geography, Swami Niswambalananda Girls' College, University of Calcutta, West Bengal
5. **Dr. Joy Karmakar**, Department of Geography, Serampore College, University of Calcutta, West Bengal
6. **Mrs. Debdutta Saha**, Department of Geography, Bijoy Krishna Girls' College, University of Calcutta, West Bengal

## Programme Schedule

**Date 1: 20/03/2023**

**Inaugural Session**

**Welcome Address** by Taniya Kar, Department of Geography, Serampore Girls' College

**Inaugural Speech** by Dr. Soma Roy, Principal, Serampore Girls' College

**Brief introduction About the course** by Dr. Asrafal Alam, Department of Geography, Serampore Girls' College

**Hands on tool Programme Classes**

**Topic: Traverse Survey Using Prismatic Compass**

**Dr. Malay Ganguli**, Department of Geography, Sister Nibedita Government General Degree College for Girls

**&**

**Ms. Moumita Kundu**, Department of Geography, Serampore Girls' College

**Day 2: (Date: 21/03/2023)**

**Topic: Profile Survey Using Dumpy Level**

Dr. Suman Saren, Department of Geography, Swami Niswambalananda Girls' College  
&

Ms. Tumpa Hudut, Department of Geography, Serampore Girls' College

**Day 3: (Date: 22/03/2023)**

**Topic: Determination of Soil reaction (pH) and Salinity Using Field Kit**

Mr. Amiya Gayan, Department of Geography, Midnapore College  
&

Ms. Tumpa Hudut, Department of Geography, Serampore Girls' College

**Day 4: (Date: 23/03/2023)**

**Topic: Height Determination of Base Accessible and Inaccessible Theodolite**

Mr. Gopal Chandra Banik, Department of Geography, Swami Niswambalananda Girls' College  
&

Ms. Taniya Kar, Department of Geography, Serampore Girls' College

**Day 5: (Date: 24/03/2023)**

**Topic: Plant Species Diversity Determination by Matrix Method**

Dr. Joy Karmakar, Department of Geography, Serampore College  
&

Dr. Asraful Alam, Department of Geography, Serampore Girls' College

**Day 6: (Date: 25/03/2023)**

**Topic: Principles of GNSS Positioning and Waypoint Collection**

&

**Principles of transferring of GNSS waypoints to GIS and Area and Length Calculations**

Mrs. Debdutta Saha, Department of Geography, Bijoy Krishna Girls' College  
&

Ms. Priyanka Dey, Department of Geography, Serampore Girls' College

**Vote of Thanks :** Ms. Moumita Kundu, Department of Geography, Serampore Girls' College

**Target People:** Undergraduate Students

**Registration fees:** Nil

**Registration Link:** [https://docs.google.com/forms/d/e/1FAIpQLSeDRivNLg5v6JSap6kZfzba-MMXDt-G-cVWRJmI6p-\\_DzPYWA/viewform?vc=0&c=0&w=1&flr=0](https://docs.google.com/forms/d/e/1FAIpQLSeDRivNLg5v6JSap6kZfzba-MMXDt-G-cVWRJmI6p-_DzPYWA/viewform?vc=0&c=0&w=1&flr=0)

**Mode:** Offline

**Organizing Committee Members**

Dr. Asraful Alam  
Coordinator  
Department of Geography  
Serampore Girls' College

Ms. Taniya Kar  
Joint Coordinator  
Department of Geography  
Serampore Girls' College

Ms. Moumita Kundu  
Joint Coordinator  
Department of Geography  
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Ms. Tumpa Hudut  
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Ms. Priyanka Dey  
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**Contact Number:** 9830461264/7980549388