

The Department of Geography
**EAST CALCUTTA
GIRLS' COLLEGE**



In Collaboration with



**ECOHERITAGE
INDIA FOUNDATION**

organises

Certificate Course

On

***Dynamics of the
Lower Atmosphere***

Duration: May-August 2025

Mode: Hybrid Mode

Chief Patron:

Dr. Ujjaini Mukhopadhyay

(Principal, East Calcutta Girls' College)

P- 237 Lake Town Link Road, Block B, Lake Town,
South Dumdum, Kolkata- 700089

Scope:

The course has been designed to enable students to understand the atmospheric phenomena at various scales. Students should be able to analyse the impacts of atmospheric motions on weather and climate systems through which they can forecast extreme weather events. The course is primarily aimed to generate awareness regarding meteorological hazards, influence of human activities on the lower atmosphere and climate, and the complexities of climate change at the regional levels.

Syllabus Highlights:

Level 1: Climate Science Foundations

Level 2: Climate Change Dynamics, and Extreme Events

Level 3: Applied Meteorological Research

Level 4: Mitigation, Adaptation, and Climate Policy

Level 5: Forecasting. Climate Modelling.

Target Participants: Pursuing or completed post-graduate course in Earth Sciences, especially Geography and allied subjects.

Duration: The course will be conducted in hybrid mode for a total of 30 hours, scheduled once a week (Saturdays) for a period of three months starting from May 2025.

Mode: Theoretical classes will be in both online and offline mode. Practical classes will be held only in offline mode in Sikdar & Hillary Hall, E.C.G.C., and at the local Weather Stations.

Course Fees: INR 700 per participant

Registration Form: <https://forms.gle/QLbPF4krGe1SyXZw8>

After approval of registration, candidates will be sent a payment link to pay the registration fees.

Last Date of Application: 12.05.2025

Course Coordinator: Dr. Anwasha Haldar
Assistant Professor & Head,
Department of Geography, E.C.G.C.

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