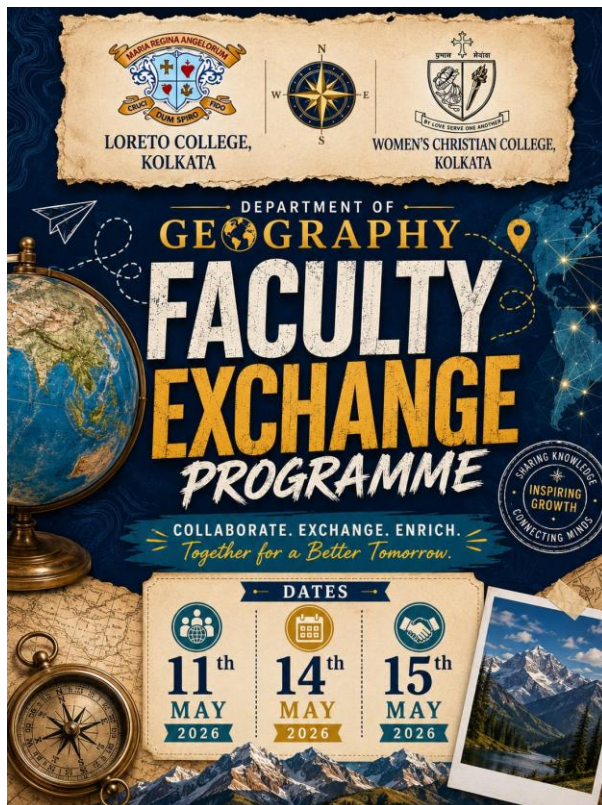


Report on Faculty Exchange Programme

A Faculty Exchange Programme was organized between Departments of Geography of Loreto College and Women's Christian College from May 11 2026 to May 15 2026. The programme aimed to encourage academic collaboration, exchange of teaching methodologies, and intellectual interaction between faculty members and students of both institutions.

On May 11 2026, Smt. Sanchita Gupta from Women's Christian College, conducted a practical class on the topic “Human Development Index (HDI)” from 9:30 a.m. to 10:30 a.m. Later that day, Dr. Falguni Dey conducted a theory class on “Air Masses and Fronts” from 11:45 a.m. to 1:45 p.m. The lecture covered the classification of air masses, formation of fronts, and their influence on weather conditions. Similar class session was conducted by Dr Sushma Sahai from 1 p.m. to 2 p.m. at Women’s Christian College on Multidimensional Poverty Index.

On May 14 2026, Dr. Anuradha Mukherjee from Women's Christian College conducted a practical class on “Hypsometric Curve” from 10:45 a.m. to 1:00 p.m. The session provided detailed guidance on the preparation and interpretation of hypsometric curves and their geographical significance in relief analysis. On May 15 2026, Dr Ambika Roy Bardhan and Dr Debasree Sinha conducted classes at Women’s Christian College on Human Development Index and Weather: Stability and Instability from 11 a.m. to 12 noon and 1 p.m. to 2 p.m. respectively. The Faculty Exchange Programme proved to be highly enriching and academically beneficial for the students. It created an opportunity for exposure to different teaching approaches and strengthened the academic relationship between the two institutions. The programme was informative, engaging, and successful in promoting collaborative learning.



9:58 AM

FACULTY EXCHANGE PROGRAMME-LORETO COLLEGE_2026_HDI LAB.pptx

Not saved yet

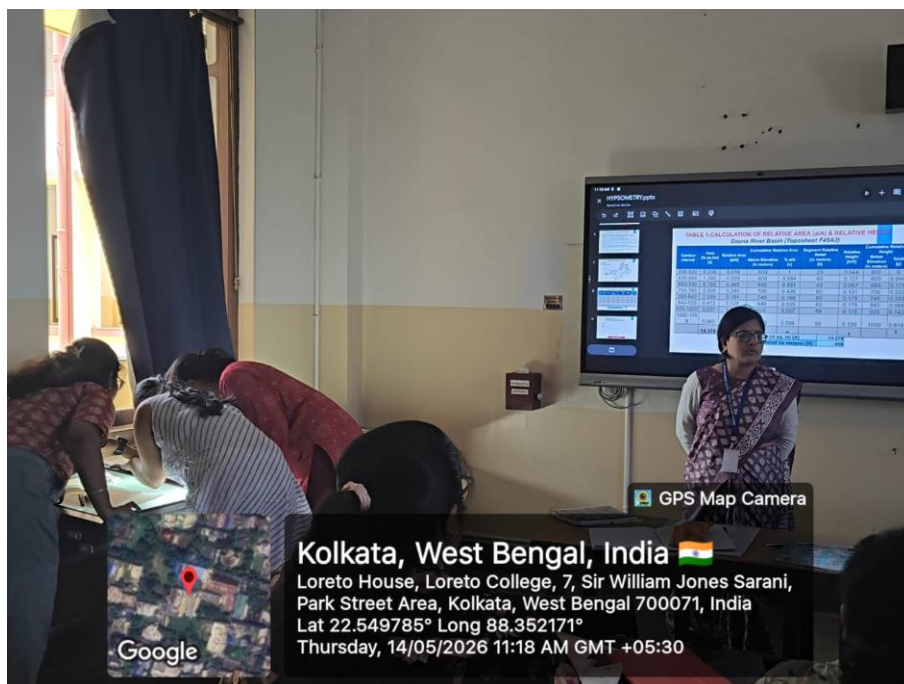
- The first HDI included three dimensions:
 - **Health:** Measured by life expectancy at birth.
 - **Education:** Measured by a combination of adult literacy and combined primary, secondary, and tertiary gross enrollment ratios.
 - **Standard of Living:** Measured by real GDP per capita (later replaced by Gross National Income per capita).
- Evolution and Refinements in the method to calculate HDI**
 - **Introduction of GNI:**
 - In the early reports, GDP per capita was used as a proxy for the standard of living, but it was later replaced by Gross National Income (GNI) per capita.
 - **Logarithmic Transformation of Income:**
 - The HDI uses the logarithm of income. This means that a \$100 increase in income has a greater impact on the HDI in a poorer country than in a richer one.
 - **Geometric Mean:**
 - The original HDI used an arithmetic mean to aggregate the three dimension indices. Later, a geometric mean was adopted, which is considered a more appropriate way to combine the dimensions.

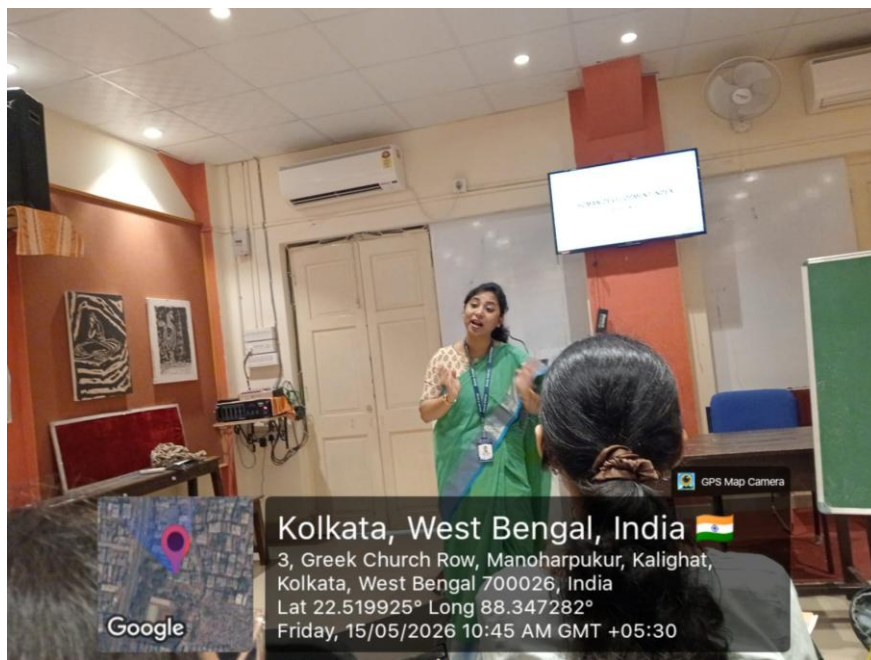
GPS Map Camera

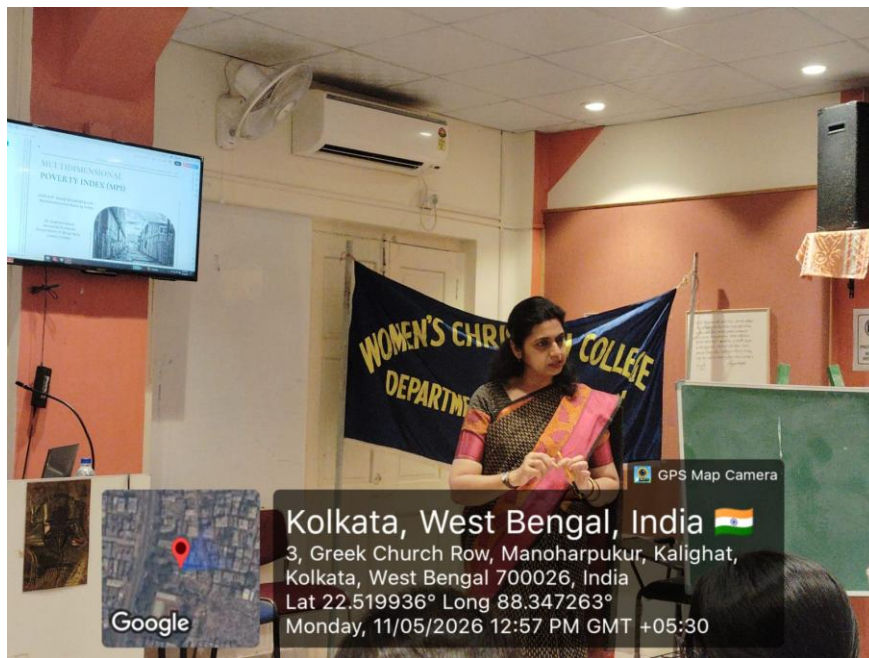
Kolkata, West Bengal, India 🇮🇳

Loreto House, Loreto College, 7, Sir William Jones Sarani,
Park Street Area, Kolkata, West Bengal 700071, India
Lat 22.549746° Long 88.352178°
Monday, 11/05/2026 09:58 AM GMT +05:30

Google







Kolkata, West Bengal, India 🇮🇳

3, Greek Church Row, Manoharpukur, Kalighat,
Kolkata, West Bengal 700026, India

Lat 22.519936° Long 88.347263°

Monday, 11/05/2026 12:57 PM GMT +05:30