



सत्यमेव जयते  
Ministry of Education  
Government of India



**MAHATMA HANSRAJ FACULTY DEVELOPMENT CENTRE**  
(A CENTRE OF MOE, GOVT. OF INDIA, UNDER PMMMNMTT SCHEME)  
**HANSRAJ COLLEGE, UNIVERSITY OF DELHI**  
(NAAC ACCREDITED A++ GRADE)

*in collaboration  
with*

**MIRANDA HOUSE, UNIVERSITY OF DELHI**  
(NAAC ACCREDITED A++ GRADE)

&

**CENTRE FOR ATMOSPHERIC SCIENCES, IIT DELHI**

*is organising*

**One Week (online) Faculty Development  
Programme**

*on*

**The World's Oceans- Evolving  
Perspectives in a Changing Climate**

**OCTOBER 9-14, 2023**

**2:00 PM-5:00 PM**

**LIVE SESSIONS**

**REGISTRATION LINK:**

<https://forms.gle/rUzkkDoZFgC1n59p6>



@hrcduofficial



## **ABOUT HANSRAJ COLLEGE**

Hansraj College is one of the largest constituent colleges of University of Delhi and has been ranked as one of the top five colleges for Science, Arts and Commerce several times in the last decade. The faculty and students of the college have contributed immensely in the field of academics, sports and cultural activities. The college faculty is dedicated towards growth and development of the institution academically and administratively to constantly thrive for excellence. Hansarians have been placed in diverse professions and services worldwide and are bringing fame and laurels to the institution.

## **ABOUT MIRANDA HOUSE**

Miranda House, College for Women at University of Delhi, is amongst the premiere institutions of the country. It was awarded All India Rank One amongst colleges under the National Institutional Ranking Framework (NIRF) consecutively for seven years 2017, 2018, 2019, 2020, 2021, 2022 and 2023. The National Assessment and Accreditation Council (NAAC) has accredited the college with Grade A++ in its Second Cycle and Grade A+ in its First Cycle. Established on 07 March 1948 by the then Vice Chancellor of University of Delhi Sir Maurice Gwyer, it chronicles the history of women's education in India. Since its inception it has carved a unique niche for itself as a globally recognized premiere institution of higher learning. Department of Biotechnology, Government of India, has given it the Star College status. Miranda House has a rich legacy. The extremely distinguished list of alumnae imparts a sense of confidence and pride in students. Being a college established and maintained by the University, Miranda House has a special place among the women's colleges of the University of Delhi. Its location in the heart of the University Campus, and its close interaction with the various Departments of the University and other campus colleges gives it a unique advantage.

## **ABOUT CENTRE FOR ATMOSPHERIC SCIENCES, IIT DELHI**

The Centre for Atmospheric Sciences (CAS) at IIT Delhi is focused on teaching and interdisciplinary research on problems relating to the atmosphere, ocean, climate change, and air pollution. Established more than forty years ago, the Centre has addressed problems of national importance. The Centre contributes to India and the world through its excellence in scientific and technical education and research. It also serves as a valuable resource for industry and society. Its main mission is to create new knowledge by generating cutting-edge research and to uphold academic growth by offering state-of-the-art undergraduate, post-graduate and doctoral programs.

The major activities of the Centre are Research, Teaching and Continuing Education. The activities have been oriented towards achieving fundamental understanding of the atmospheric and oceanic processes which have relevance to society. The Centre has created high performance computing facilities, research laboratories and research infrastructure such as the Atmospheric Observatory, that enable high-end computational modelling and state-of-the-art observational programmes. The Ministry of Earth Sciences (MoES) supports PhD and MTech programmes at the Centre through assistantships to students as part of an MoU. The Centre also organizes continuing education programmes such as short-term courses, SERC Schools, oceanography training programmes, IOC/ UNESCO sponsored training programme in coastal management, training programme for teachers/ lecturers (UPROBE), training to new pollution board recruits, and other quality improvement programmes in areas of current interest.

## ABOUT THE PROGRAMME

The Anthropocene has demonstrated its capacity in altering the Earth's systems in uncountable yet discernible ways and the Earth's water bodies have equally felt the brunt. The world's oceans, which comprise of about 71% of its surface area are also under the hammer. From climate change to pollution to global warming, numerous causes are highlighted constantly as being responsible for the cry of these water bodies for help. One of the additional appalling facts is the lack of sensitivity towards these resources as well as lack of knowledge on the Ocean systems as a component of the Earth. These domains are less examined by those living remotely from these marvels on the Earth.

The UN has titled the year 2023 as 'Planet Ocean: The Tides are Changing' to indicate the attention they command. In the light of UN initiatives such as the first UN Water Conference to be held in 2023 attempts to unite humanity for water in all aspects. Further, SDG 14 focusses on 'Life Under Water'. In the light of India's G20 presidency and our involvement with the Ocean 20 dialogue as a part of G20 presidency targets at creating concrete policies for the Oceans of the world. India's local and global initiatives in this context with excellent research base and academician opens new fronts in the direction and have been widely acknowledged. World's ocean deserve an equal attention with regards to the environmental issues and concerns pertaining to them. The course is one of its kind attempt as topics related to the oceans are not observed as being incorporated into professional training in an interdisciplinary or specific perspective through the works of accomplished speakers in the field.

## OBJECTIVES OF THE PROGRAMME

- To impart information on the oceans of the world with regards to their geographical setting.
- To familiarize with the basics of ocean dynamics
- To generate awareness on the current issues facing the world's oceans
- To sensitise towards world's oceans as a part of the earth system

## TOPICS TO BE COVERED

- Geography of World Oceans
- Ocean Dynamics and Resources
- Insights into evolving problems facing world's oceans
- Exploring ongoing research on worlds oceans- in-situ and ex- situ



# REGISTRATION DETAILS

**Interested participants are requested to follow the steps mentioned below in order to register for the FDP:**

- Participants are required to pay the registration fee of **Rs. 500** via NEFT/IMPS/UPI to the following account:

**Account: Principal, Hansraj College, FDC**  
**Bank: Canara Bank, Hansraj College, Delhi**  
**Type of Account: Savings**  
**Account number: 2848101019873**  
**IFSC: CNRB0002848**

**NOTE: Fee is Non-Refundable**

- Pre-registration to the programme is through online mode only.
- Participants are required to fill the registration form using the following link (Please ensure that you have payment proof before filling up registration form):

**Registration link:**

**<https://forms.gle/rUzkkDoZFgC1n59p6>**

- The last date for registration is **October 5, 2023**
- Participants will be informed by **October 7, 2023**
- Attendance norms are strict. Participants are required to clear the assessment component for getting the e-certificates.
- Further details will be communicated to the registered participants.

**ELIGIBILITY:** The programme is interdisciplinary and is open to all interested participants. All faculty members (Permanent/ Temporary/ Adhoc/ Guest) and Research Scholars from any university/college are eligible to participate.

# MHRFDC TEAM

## Patron

**Padma Shri Dr. Punam Suri**

Chairman, Governing Body, Hansraj College

## Chairperson, MHRFDC

**Prof. (Dr.) Rama**

Principal, Hansraj College

## Cordinator, MHRFDC

**Mr. Ashutosh Yadav**

## Deputy Cordinators, MHRFDC

**Ms. Deepshikha Yadav**

**Dr. Anurag Kakkar**

# FDP ORGANISING TEAM

## Patron

**Prof. (Dr.) Bijayalaxmi Nanda**

Principal, Miranda House

## FDP Convenor

**Prof. (Dr.) Priyanka Puri**

Miranda House

## FDP Coordinator

**Prof. (Dr.) Vimlesh Pant**

CAS, IIT Delhi

## FDP Co-Coordinator

**Prof. (Dr.) Samiran Mandal**

CAS, IIT Delhi