Target Participants

Faculty teaching in Departments of CSE, ECE, Physics, Atmospheric Sciences, Environmental Sciences, etc.

Registration Details

Free for the first 25 participants, refundable caution money deposit of Rs. 500/- to be paid.
From 26th participant onwards, registration fees is 1500/- (including refundable caution money depoit of Rs. 500/-)

Mode of The Program

Offline (No TA/DA will be provided to participants)

Speakers

- Dr. Uma Das, Assistant Professor, Physics, IIIT Kalyani
- Dr. Oishila Bandyopadhyay, Assistant Professor, CSE, IIIT Kalyani
- Dr. Madhuchanda Dasgupta, DST Women Scientist, IIIT Kalyani
- Mr. Soumyajit Pal, PhD Student, IIIT Kalyani
- Ms. Tanushree Roy, PhD Student, IIIT Kalyani

Important Dates

Last Date of Registration by Payment	15th October 2025
Intimation to Participants	15th November 2025

Chief Guest & Keynote Speaker

Prof. Bhabotosh Chanda,
Retired Professor, ISI Kolkata

Organizing Committee

1. Dr. Uma Das, Assistant Professor, Physics, IIIT Kalyani
2. Dr. Oishila Bandyopadhyay, Assistant Professor, CSE, IIIT Kalyani
3. Dr. Dalia Nandi, Assistant Professor, ECE, IIIT Kalyani
4. Dr. Anirban Lakshman, Assistant Professor, Mathematics, IIIT Kalyani
5. Dr. Imon Mukherjee, Assistant Professor, CSE, IIIT Kalyani

Registration Link
https://forms.gle/bsUJF96KB42VBDrr7

For more information about the program

CONTACT US

Email Address
dlaws2025@iiitkalyani.ac.in

Indian Institute of Information Technology Kalyani,
Webel IT Park,
(Near Buddha Park), Kalyani – 741235. Nadia, WB.

Two-Day Workshop on Deep Learning and Applications in Weather Sciences (DLAWS 2025)

27 - 28th November 2025

Sponsored by
Anusandhan National Research Foundation (ANRF)

Coordinators

Dr. Uma Das and Dr. Oishila Bandyopadhyay

Indian Institute of Information Technology Kalyani

An Institute of National Importance (INI)
(Autonomous Institution under MOE, Govt. of India & Department of Information Technology & Electronics, Govt. of West Bengal)
WEBEL IT Park, Opposite of Kalyani Water Treatment Plant
Near Buddha Park, Dist. Nadia, P.O. Kalyani - 741235, West Bengal.
Email-office@iiitkalyani.ac.in, website-www.iiitkalyani.ac.in

ABOUT IIIT KALYANI

The Indian Institute of Information Technology Kalyani has been setup with an objective to produce best-in-class human resources in IT and to harness the multidimensional facets of IT in various domains. IIIT Kalyani strives to evolve into a world-class academic institution with the highest quality of education and research facilities and produce industry ready IT graduates to meet the industry demands. The institute acts as a catalyst in fostering an innovative entrepreneur-focused ecosystem to ensure that new products, solutions and IP are created in the State taking advantage of the intellectual capital of the State.

IIIT Kalyani has been attributed the status of Institute of National Importance (INI) by the cabinet in March 2017.

While construction has been started in the land provided, the institute is presently running from the temporary campus at Webel IT Park, Kalyani.

COURSE OBJECTIVES

To equip participants with theoretical knowledge and practical skills in applying machine learning and deep learning techniques to weather sciences, enabling effective analysis, modeling, and forecasting of environmental and climate-related phenomena using advanced computational tools. Participants will practice handling real numerical and image data and building basic models to understand weather and climate. The hands on training will also guide them in choosing the right methods, tackling common challenges, and exploring the latest advances in this growing field.

BANK DETAILS FOR REGISTRATION FEE PAYMENT

- Name of the Account Holder: IIIT Kalyani
- Bank Name: State Bank of India
- Branch Name with Complete Address: Kalyani Industrial Growth Centre, A-9/12-13 (S) Kalyani, Nadia, West Bengal - 741235
- Complete Bank Account Number: 37597513940
- IFSC Code: SBIN0006701

TOPICS TO BE COVERED

- Atmospheric Data Handling (Image and Numerical data).
- Deep Learning for Weather Sciences.
- Case Studies & Applications.
- Current Trends & Challenges.
- Hands-on Sessions.

TENTATIVE SCHEDULE

Day 1:
- Inauguration Ceremony
- Theoretical Session - Deep Learning of Numerical Data
- Laboratory and Hands-on session

Day 2:
- Theoretical Session - Deep Learning for Image Data
- Laboratory and Hands-on session
- Closing Ceremony