IIT Delhi’s
CENTRE FOR ATMOSPHERIC SCIENCES

Know more: https://cas.iitd.ac.in
Reach Us: Centre for Atmospheric Sciences,
Block VI, IIT Delhi, New Delhi-110 016.

Placement Brochure
2022-2023
Centre for Atmospheric Sciences (CAS)

Centre for Atmospheric Sciences is a premier Centre for education and research in atmospheric and oceanic sciences in India.

Centre for Atmospheric Sciences offers M.Tech. in “Atmospheric - Oceanic Sciences and Technology” supported by Ministry of Earth Sciences (MoES), under the Government of India.

The goal of CAS is to conduct cutting-edge interdisciplinary research and create highly skilled manpower for government and industrial sectors with Modelling, Observations, Data Analysis and Machine Learning techniques in 4 core areas:

- Atmospheric Modelling
- Air Pollution
- Ocean Modelling
- Climate Change
MAJOR COURSES
• Data Analysis Methods
• Science of Climate Change
• Dynamics and Physics of Atmosphere
• Physical and Dynamical Oceanography
• Atmospheric Chemistry and Air Pollution

LAB COURSES
• Advanced Data Analysis for Weather and Climate
• Mathematical and Computational Methods
• Numerical Modelling of the Atmosphere and Ocean

ELECTIVES
• Tropical Meteorology, Cloud Physics
• Remote Sensing of the Atmosphere and Ocean
• Dispersion of Air Pollutants
Why Recruit Us

• Admission into the CAS M.Tech. programs of IIT Delhi takes place through the GATE with only the top 2% candidates from our country being considered.

• Students' skills being interdisciplinary allow them to build and enhance climate change connection w.r.t domains (Computational, energy and policy)

• Students are working with machine learning and deep learning models in the field of various climate related areas.

• Students are capable in working with larger datasets and statistical analysis of data.

• The course curriculum allows students to broaden our knowledge in the field of climate change and other related areas.

• Students can do weather prediction which helps in the growth of countries economy.

Area of Research

• Renewable Energy Meteorology
• Air Quality Modelling and its Health Impacts
• Weather Forecasting
• Storm Surge Modelling
• Tropical Cyclones
• Atmospheric Modelling & Extreme Weather
• Climate Model Development & Climate Change Impacts
• Urban Climate
• Ocean Modelling

Lab Facilities

• PADUM High Performance Computing facility
• SIKKA and RAMA Storage Facility
• Meteorological and Oceanographic Observations and Instruments
• Remote sensing Lab
• Air Quality Monitoring and Modelling Lab
• Climate Modelling and Ocean State Forecasting Labs
Software & Languages Used

Students are familiar with and using them extensively:
- Python, Fortran, R
- Machine Learning/Artificial Intelligence (AI/ML)
- MatLab
- Jupyter Notebook
- Linux Environment
- Models
  - WRF
  - ROMS
  - CAM
  - CESM
PAST RECRUITERS

- Data Analysts
- Data Scientist
- Weather Analysts
- Meteorologist
- Atmospheric Scientist
- Wind Specialist
- Peril Specialist (Risk Accessors)
- Business Analysts
- Modellers

Logos of companies such as HSBC, e-on, HCL, RMS, Wolters Kluwer, SMARTANALYST, adani Renewables, Swiss Re Corporate Solutions, Maybank, 50hertz, Gallagher Re, and EXL.
Placement Statistics

Students of Batch 2021-22

- 100% placement recorded in the Center for Atmospheric Sciences.

- Students were placed in various Atmospheric Scientist, Reinsurance and Analytics related positions in reputed organizations.

2021-2022 Placement Statistics in Centre for Atmospheric Sciences

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<tr>
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<th>Number of Students</th>
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<tbody>
<tr>
<td>Students in CAS</td>
<td>5</td>
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<tr>
<td>Students Placed</td>
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CONTACT US

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