



Ministry of Earth Sciences
India Meteorological Department
Regional Meteorological Centre, Kolkata

Internship programme at IMD Kolkata

1) A brief introduction of RMC Kolkata, India Meteorological Department

India Meteorological Department was established in 1875. It is the National Meteorological Service provider of the country and the principal government agency in all matters relating to meteorology and allied subjects.

Responsibilities of RMC Kolkata, IMD are as follows:

- To take meteorological observations and to provide current and forecast meteorological information for optimum operation of weather-sensitive activities like agriculture, irrigation, shipping, aviation, offshore oil explorations, etc.
- To warn against severe weather phenomena like tropical cyclones, Norwester, dust storms, heavy rains and snow, cold and heat waves, etc., which cause tremendous destruction of life and property.
- To provide meteorological statistics required for agriculture, water resource management, industries, oil exploration and other nation-building activities.
- To conduct and promote research in meteorology and allied disciplines.
- To detect and locate earthquakes and to evaluate seismicity in different parts of the country for development projects.
- Establishing Meteorological observatories.

- Analyse and interpret meteorological observations and issue forecasts.
- Scrutinize and process observational data for climatological archives.
- Apart from all above, RMC Kolkata, IMD imparts Internship or Dissertation at RMC Kolkata, Alipore in various fields of meteorology encompassing a wide range of specializations. Essential qualifications and terms and conditions are detailed as follows.

2) **Eligibility/Essential Qualifications:**

(i) M.Sc. / M.Tech / B.Tech / B.Sc completed / undergoing in Meteorology / Oceanography / Atmospheric Science / Climate Science / Physics / Geophysics with specialization in Meteorology / Mathematics / Applied Mathematics / Statistics / Earth System Science and Technology / Computer Science or related discipline from a recognized university.

AND

(ii) At least 7.0 CGPA / 55% of marks (average percentile / percentage of marks of all the completed semesters).

3) **Duration of Internship/Dissertation:**

The period of the application for Internship / Dissertation work will be of 06 (six) months/ 04 (four) months/ 02 (two) months duration respectively as per following schedules:

Duration of internships	Commencement (every calendar year)	Completion	Deadline for submission of applications (strictly)
06 months	1 st January/ First working day of January	End of June (all)	15 th December (of preceding calendar year)
04 months	1 st March/ First working day of March		15 th February
02 months	1 st May/ First working day of May		15 th April

4) Subjects for Internship/Dissertation:

Synoptic Meteorology, Weather Observation & Forecasting, Agricultural Meteorology, Crop weather Relationship, Crop simulation Modelling, Agromet Advisory Services, Climate change impact on agriculture, micrometeorology, Networking, Meteorological Telecommunication, Aviation Instruments, Designing of Webpages for customization of products, Extreme weather events (e.g. Thunderstorm, Lightning, Norwester, Heavy rain etc), NWP, AI/ML/DL in weather forecasting, Renewable Energy Meteorology, Climatology, Tropical Cyclone, Air-sea interactions (Turbulent Heat Fluxes), Biometeorology, Radar Meteorology, Automatic Weather Station, Cloud Microphysics, Mesoscale Modelling, Satellite Meteorology, Aerosol, Hydrometeorology, etc.

5) Panel of available supervisors:

(i) Dr. Habibur Rahaman Biswas (Scientist F & Head (LACD), RMC Kolkata, Ph.D in Atmospheric Science); Area of interest for research / internship: Synoptic Meteorology and Weather Forecasting.

(ii) Dr. Ganesh Kumar Das (Scientist E & Head, MWO Kolkata, Ph.D in Atmospheric Science); Area of interest for research / internship.

(iii) Dr. Divesh Choudhary (Scientist-D, RMC Kolkata, Ph.D Agricultural Meteorology); Area of interest for research / internship: Agricultural Meteorology, Crop weather Relationship, Crop simulation Modelling, Agromet Advisory Services, Climate change impact on agriculture, micrometeorology.

(iv) Shri Sunny Chug (Scientist-D, MWO Kolkata, M.Tech in Applied Physics); Area of Interest for research / internship: Networking, Communication, Aviation Instruments, Designing of Webpages for customization of products.

(v) Dr. Sourish Bondyopadhyay (Scientist-D, RMC Kolkata, Ph.D in Physics); Area of Interest for research / internship: Weather forecasting, Extreme weather events e.g. Thunderstorm, Lightning, Norwester, Heavy rain etc., Cyclone, NWP, AI/ML/DL in weather forecasting.

(vi) Shri Pravat Rabi Naskar (Scientist-D, MWO Kolkata, Ph.D (Meteorology) ongoing, BHU, MSc. (Physics), IIT Guwahati); Area of Interest for research / internship: Renewable Energy Meteorology, Climatology, Tropical Cyclone, Air-sea interactions (Turbulent Heat Fluxes), Bio-meteorology.

(vii) Shri Debapriyo Roy (Scientist-D & Head, PAC Kolkata, M.Sc in Physics); Area of Interest for research / internship.

(viii) Shri Sachin Yadav (Scientist -C, RMC Kolkata & DWR Kolkata, B.Tech in Electronics & Instrumentation); Area of Interest for research / internship: Radar and Automatic Weather Station.

(ix) Dr. Anwesa Bhattacharya (Scientist-C, RMC Kolkata, Ph.D in Atmospheric Science); Area of Interest for research / internship: Cloud Microphysics, Mesoscale Modelling, Satellite Meteorology, Aerosol.

(x) Shri Suman Chattopadhyay (Scientific Officer-I, RMC Kolkata, MSC in Mathematics); Area of Interest for research / internship: Weather observation & forecasting, Hydrometeorology and Climatology.

6) Terms and Conditions for Internship/Dissertation at RMC Kolkata, IMD:

RMC Kolkata, IMD lays out terms and conditions for organizing Internship / dissertation at RMC Kolkata, Alipore. The interested students can apply for the internship / dissertation in the prescribed format provided here. The terms and conditions are given in details below:

i) RMC Kolkata, IMD will not provide any remuneration / fellowship / stipend, TA / DA, accommodation / guest house facility, conveyance, transport, medical facility / medical reimbursement, etc., to any intern during / for the entire period of internship / dissertation.

ii) In the event of casualty, injury or illness of any intern during the entire term of his/her internship/dissertation, the intern or the intern's dependents, legal heirs, claimants. etc., shall not be entitled to any compensation whatsoever of any form from RMC Kolkata, IMD, and RMC Kolkata, IMD shall not have any financial obligation to any such untoward adversities.

iii) No temporary / contractual / permanent position will be offered based on the internship / dissertation. RMC Kolkata, IMD will not be responsible towards any financial obligation, health issues or any other arrangements.

7) General Points:

- a) Students may be allowed to work in hybrid mode (both physical & online) if desired by the competent authority / respective supervisor.
- b) Application form for internship / dissertation as attached in subsequent pages should be completely filled-in and should be strictly recommended/forwarded from HOD/Dean/Head of organization. The application form without recommendation from HOD/Dean/Head of organization will not be entertained at all.
- c) Obtaining recommendation from university or fulfilling the minimum prescribed essential qualifications and the mere possession of the same does not entitle students to be offered for internship/ dissertation at RMC Kolkata, IMD. All eligible candidates will mandatorily go through a screening process for final selection.
- d) Applications received after the deadline i.e. closing date (Refer to **Para 3, Page 2**) or received incomplete in any respect are liable to be summarily rejected. No representation against such rejection will be entertained.
- e) Applicants/candidates finally selected for said internship programmes (duration-wise) shall be intimated the same through email/ notification prior to commencement of respective internship periods.
- f) Application form for internship / dissertation is attached in the next pages.
- g) Contact details for submission of application and relevant queries only:

E-mail address for communication: ind.rmckol@gmail.com

Application for Internship programme at IMD Kolkata

S. No.	Courses Passed	University/Institution/ Board	Yearof Passing	Subjects taken	Results with Division with Percentage/CGPA

7. Area of Interest to do Internship/Dissertation work (Please refer to the Panel of available supervisors for Area of Interest under Para 5, Pages 3-4):

8. Period (2/4/6 months along with starting month-ending month of Internship/Dissertation work):

9. Mode of attendance (fully physical or hybrid mode i.e. physical & online):

10. Skills related to topic of interest, if any (Software, Computer Programming etc.):

11. Any other relevant information (e.g. previous experience related to the topic, etc.):

12. Declaration: I certify that the above information is correct and complete to the best of my knowledge and belief and nothing has been concealed/distorted. If at any time, I am found to have concealed/distorted any material/information, my application will be canceled without any notice. Further, I completely understand that RMC Kolkata, IMD will not provide me any remuneration/fellowship/stipend, TA/DA, accommodation/guest house facility, conveyance, transport, medical facility/medical reimbursement, etc., during/for my entire period of internship/dissertation. In the event of any casualty, injury or illness of myself during the entire term of my internship/dissertation, myself or my dependents, legal heirs, claimants. etc., shall not be entitled to any compensation whatsoever of any form from RMC Kolkata, IMD, and RMC Kolkata, IMD shall not have any financial obligation to any such untoward adversities. No contractual/permanent position will be offered to me based on the internship/dissertation.

Place & Date:

(Name and Signature of Candidate)

13. Recommendation from HoD/Dean/competent authorities: I certify that Mr/Ms.....completed.....semester of Degree with averaged CGPA in this institute/university and recommend him/her for internship/dissertation works at RMC Kolkata, IMD.

Place & Date:

(Name and Signature of HoD/Dean/competent authority with official seal/stamp)