Indian Institute of Tropical Meteorology, Pune – 411008

Instructions to fill up the online form for M.Sc/M.Tech project (06 to 09 Months) at IITM, Pune

Last Date of Application is 22nd November 2026

1. The M.Sc/M.Tech project (06 to 09 Months) at IITM, Pune are for those who are currently pursuing their Masters (MSc/MTech/MS).
2. Each candidate must upload a single PDF file (max. file size 03 MB and .pdf format only) containing the following documents:
   (a) Detailed Resume or CV including the area of interest
   (b) Scanned copies of original / self-attested mark lists of SSC (10th standard), HSC (12th standard), all years of bachelor's degree (BSc / BTech), and all available mark lists of master's degree (MSc/MS/ MTech). Candidates should have at least 55% marks or equivalent CGPA in all the examinations SSC onward.
3. Email consent from the IITM scientist mentor stating that the scientist is ready to guide the student for the M.Sc/M.Tech project if the student is selected and allotted to him / her. (https://www.tropmet.res.in/scientists.php)
4. Candidate should also arrange a Letter of recommendation from the Head of the Department (on departmental letterhead) recommending the student for the M.Sc./MTech project at IITM. The letter should state the name of the IITM scientist mentor with whom the student wishes to do the M.Sc/M.Tech project. The letter may be submitted along with the application; however, it is mandatory to submit it while joining IITM for the project work after selection.
5. Each candidate must also upload a clear photograph (.jpg/.png/.gif formats only and max. size allowed is 100 KB).
6. Failure to submit any of the documents mentioned in point (2) above may lead to rejection of the application.
7. Candidates need to ensure that file names of the above files and photographs do not have a dot (period); the dot is only to be used to separate the file extension from the file name.
8. Based on availability of rooms at IITM Hostel, accommodation may be allotted to only a few Outstation candidates, and the same will be conveyed in the selection email. Accommodation will not be provided to the Local students. Students may note that provision of accommodation is not guaranteed.
9. Before applying online for the M.Sc./MTech project positions, the student needs to go through the list of IITM Scientists **(Attached at the last Page in Annexure A)** interested and available to take the students for the projects. The students can contact possible guides, have discussions with them online and if the student and the guide mutually agree to work with each other, the guide needs to give consent to the student. This email consent must be uploaded as mentioned in point no. (1) above.
10. Obtaining consent of IITM scientist mentor does not guarantee the selection of the student for the M.Sc./MTech project.(https://www.tropmet.res.in/scientists.php)
11. The selection process shall be based on merit as per the procedure adopted by the Academic Cell.

12. After filling up the form and before submitting it, the applicant needs to preview the form in a popup window and make changes if any. Unless the applicant clicks "submit" button at the end of the form, his / her application is not submitted. Once submitted, no changes can be made in the form. In case of multiple applications by the same candidate, the most recent application will be considered for evaluation.
13. Applicant should receive an auto generated email from the email id iitmjobs@tropmet.res.in with an acknowledgment number. This confirms that his / her application is submitted successfully along with both the attached files. Email also contains the filled in form. Photo and uploaded PDF file are not part of in this email. Do not reply to this mail since it is auto generated. If you did not receive an email, check the spam / junk folder.
14. The names of the students selected for the M.Sc/M.Tech project will be displayed on IITM website.
15. Please note that successful submission of your online application does not confirm your selection for M.Sc/M.Tech project.

For queries related to form-filling, contact: academiccell@tropmet.res.in

Annexure A

The list of Scientists available to take M.Sc/M.Tech project students (06 to 09 Months) at IITM, Pune – Jan 2027 Session

Sn	Name of IITM Scientist	Designation	Area of Reseach
1	Dr.(Smt.) Thara Prabhakaran	Scientist G	Cloud microphysics
2	Dr. Anupam Hazra	Scientist G	Cloud microphysics
3	Dr.(Smt.) S. Fadnavis	Scientist G	Atmospheric Chemistry and Dynamics
4	Dr. Vinu K. Valsala	Scientist G	Ocean Carbon Cycle, Biogeochemical Cycles and Data Assimilation, Ocean modeling
5	Dr. Subodh Kumar Saha	Scientist G	Monsoon variability and predictability, land surface processes, and model development.
6	Dr.(Smt.) B. Padma Kumari	Scientist F	Aerosol-Cloud- Radiation interactions
7	Shri. P. Murugavel	Scientist F	Atmospheric Electricity
8	Dr. H. S. Chaudhari	Scientist F	Climate Modelling
9	Dr. Devendraa Siingh	Scientist F	Atmospheric Electricity
10	Dr. Anoop S. Mahajan	Scientist F	Atmospheric chemistry
11	Dr. Sachin Dinkar Ghude	Scientist F	Aerosol studies, Trace gas measurement
12	Dr. Shivsai Ajit Dixit	Scientist F	Experimental and Numerical Fluid Dynamics
13	Dr.(Smt.) Susmitha Joseph	Scientist F	Monsoon Variability and Predictability, S2S Prediction, Prediction of Extreme Weather Events
14	Dr. Madhu Chandra R. Kalapureddy	Scientist F	Remote sensing in Atmosphere, Cloud & Precipitation studies
15	Dr.(Smt.) Swapna Panickal	Scientist F	Climate Change Research and Earth System Modeling
16	Dr. Roxy Mathew Koll	Scientist F	Ocean atmosphere dynamics & interaction
17	Dr. Anant B. Parekh	Scientist F	Climate Variability, Physics Ocean and Atmosphere, Remote Sensing of Ocean
18	Dr. G. S. Meena	Scientist F	Atmospheric Minor Constituents
19	Smt. Shompa Das	Scientist F	Information Management, Content Management, Library Services, Information-based Products
20	Dr. Hamza Varikoden	Scientist F	Monsoon Variability, Climate Change & its Dynamics
21	Dr. Sachin M. Deshpande	Scientist F	My research focuses on understanding the structure, evolution, and physical processes of convective clouds and their organization using remote sensing observations (e.g., radar and satellite).
22	Dr.(Smt.) Preethi Bhaskar	Scientist F	Monsoon Variability and

			Teleconnections
23	Dr. Ramesh Kumar Yadav	Scientist F	Seasonal Forecasting
24	Dr. Samir Pokhrel	Scientist F	Monsoon coupled ocean-atmosphere dynamics
25	Dr. Bipin Kumar	Scientist F	Cloud-microphysics, Parallel Algorithms, Direct Numerical Simulation (DNS), Data Analysis and AI/ML algorithms
26	Dr. Kaustav Chakravarty	Scientist F	Doppler Weather Radar Meteorology, Remote Sensing and Severe weather events
27	Dr. Yogesh K. Tiwari	Scientist F	Biogeochemistry of the regional and global carbon cycle, Atmospheric Greenhouse gases (GHG) observations and modeling, Development of regional observing systems for long-lived biogeochemical trace gases., To investigate the GHGs transport mechanisms pertaining to the Indian subcontinent, To understand the rationale behind the seasonality of GHGs concentrations (e.g., CO2 and CH4) using observational and modeling tools over India
28	Dr. Subrata Kumar Das	Scientist F	Mesoscale Meteorology, Doppler weather radar and lidar remote sensing
29	Dr. Jasti S. Chowdary	Scientist F	Air-sea interactions, Monsoon Variability and Predictability, Physical Oceanography, Climate extremes
30	Dr. Prasanth A. Pillai	Scientist F	Indian summer monsoon variability, Indian summer monsoon and its interaction with tropical Oceans, Seasonal Prediction of Indian summer monsoon, Prediction of weather and Climate extremes over India
31	Dr. Rajib Chattopadhyay	Scientist F	Monsoon Seasonal Prediction
32	Dr. Abhilash S. Panicker	Scientist F	Aerosols-radiative and cloud interaction studies
33	Dr. Saikat Sengupta	Scientist F	Isotope Geochemistry, Hydrogeology
34	Dr. Phani Murali Krishna	Scientist F	Atmospheric modelling, HPC Computing
35	Dr. Sabin Thazhe Purayil	Scientist F	Climate change research, High-Resolution climate modeling and Paleo climate modeling
36	Dr.(Smt.) Amita Prabhu	Scientist F	Monsoon variability and predictability, Satellite Meteorology
37	Dr. Y. JAYA RAO	Scientist F	Aerosols and Clouds
38	Dr. Naveen Gandhi	Scientist F	Paleoclimatology

39	Dr.(Smt.) R. Latha	Scientist F	Atmospheric boundary layer dynamics & pollution
40	Dr. Deen Mani Lal	Scientist F	Atmospheric electricity, Lightning, Cloud microphysics, Aerosol
41	Dr. Medha S. Deshpande	Scientist F	Tropical cyclones, global and regional numerical weather prediction and verification of predictions
42	Dr. Sooraj K. P.	Scientist F	Climate Change and its impacts on Asian Monsoon; Tropical Teleconnections; Climate studies using coupled models and observations
43	Dr. Mahen Konwar	Scientist F	Cloud and Rain microphysics
44	Dr. Siddharth Kumar	Scientist F	Radiative Transfer, Atmospheric Convection, Numerical Weather Prediction, Data Science
45	Shri. T.R. Libin	Scientist F	Atmospheric Instrumentation; Unmanned Aerial Systems
46	Shri. M. Mahakur	Scientist E	Satellite Meteorology
47	Dr. Atul Kumar Srivastava	Scientist E	Atmospheric aerosols and their direct and indirect impacts
48	Shri. Sunil Manohar Sonbawne	Scientist E	Aerosols and Clouds
49	Dr. P Rahul Chand Reddy	Scientist E	Aerosol Research
50	Dr. Anika Arora	Scientist E	Tropical Variability, Ocean-atmosphere feedback
51	Dr. Ayantika Dey Choudhury	Scientist E	Dynamics and Variability of South Asian Monsoon, Aerosols and Climate Change, Earth System Modeling, Heavy precipitating systems
52	Dr. Somaru Ram	Scientist E	Dendroclimatology
53	Dr. Bhupendra Bahadur Singh	Scientist E	Moisture in the Earth system, Climate science, Monsoon
54	Dr. Abhay SD Rajput	Scientist E	Science Communication, Scientific Writing, Science Journalism, IPRs, Research and Publication Ethics
55	Dr. H. Narendra Singh	Scientist E	Climate variability & Climate Change
56	Ms. MERCY VARGHESE	Scientist E	Aerosol – Cloud Interaction
57	Shri. Sanjoy Kumar Saha	Scientist E	Aerosols and Clouds
58	Dr.(Smt.) Leena P P	Scientist E	Cloud physics and Atmospheric dynamics
59	Dr. Malay Ganai	Scientist E	Indian summer monsoon variability, short-range forecast, GFS model
60	Dr. Sudarsan Bera	Scientist E	Cloud Physics
61	Dr. Sandeep Narayanasetti	Scientist E	Earth System Modeling and Research
62	Dr. Maheswar Pradhan	Scientist E	Turbulent flux parameterization in coupled models, observing system experiments using coupled models, Tropical variability and seasonal

			prediction
63	Dr. Mriganka Sekhar Biswas	Scientist E	Atmospheric chemistry
64	Dr. Ankur Srivastava	Scientist E	Monsoons and their predictability
65	Dr. Chaitri Roy	Scientist E	Air pollution, Atmospheric Chemistry, Chemistry-Climate interactions, Upper Troposphere-Lower Stratosphere (UTLS)
66	Dr. Snehlata Tirkey	Scientist E	Monsoon variability and its predictability
67	Dr. Sahadat Sarkar	Scientist E	Numerical Modelling, Atmospheric Scale Interaction, Monsoon Variability
68	Dr.(Smt.) Deepa J. S.	Scientist E	Sea level variability, Indian Ocean climate variability
69	Dr. Rashmi Arun Kakatkar	Scientist E	Climate variability, ENSO variability
70	Dr. Raju Mandal	Scientist E	Prediction of Extreme events over India in Extended Range, Health impacts of extreme weather events, Variability and predictability of Indian Summer Monsoon
71	Dr. Avijit Dey	Scientist E	Intra-seasonal variability of Indian summer monsoon
72	Dr. Shikha Singh	Scientist E	Ocean Modeling
73	Mr. Tanmoy Goswami	Scientist E	Cloud radiation interaction, Atmospheric modelling, Indian summer monsoon extreme rainfall events.
74	Smt. Renu Subrata Das	Scientist E	Atmospheric modelling and Dynamic meteorology, Numerical Weather Prediction, Synoptic Meteorology
75	Dr. Vivek Singh	Scientist E	Aerosol characteristics over Indo-Gangetic Basin, Air Pollution, Atmospheric Chemistry, Tropical Cyclones over the NIO region, Extreme Rainfall events.
76	Dr.(Smt.) Sujata Kalyan Mandke	Scientist D	Indian summer Monsoon variability
77	Mr. Srinivasu Upparapalli	Scientist D	Sea level variability, Sea level rise, Coastal Altimetry, Set up and Evaluation of operational numerical ocean models.
78	Smt. Archana Rai	Scientist D	Land surface processes
79	Dr. Aditi Modi	Scientist D	Ocean Biogeochemistry, Earth System Modeling
80	Dr. Smrati Gupta	Scientist D	Green House Gases Observation and Modeling, Carbon Cycle
81	Shri. Subrata Mukherjee	Scientist D	Aerosols and cloud microphysics

82	Dr. Pramit Kumar Deb Burman	Scientist D	- Eddy covariance measurements, Time series analysis, Remote sensing, Big data analysis and visualisation, Mathematical modelling
83	Mr. AMBUJ KUMAR JHA	Scientist D	Remote sensing of the atmosphere, clouds and precipitation
84	Dr. Praveen V.	Scientist D	Earth System Model development, Climate change impact research, Finite Element Ocean Modelling
85	Shri. Sujit Maji	Scientist D	Air Quality Atmosphere and Pollution
86	Dr. Deepeshkumar Jain	Scientist D	Moist Convection, Coupled Model Development
87	Smt. S. Roy	Scientist C	Atmospheric Chemistry
88	Dr. U. V. Murali Krishna	Scientist C	Radar and Satellite meteorology
89	Dr. Priya P	Scientist C	Land Surface Processes, Earth System Modeling, Hydrological modeling
90	Dr. A. Aravindhavel	Scientist C	Atmospheric Aerosols, Clouds, Satellite and Lidar Remote Sensing & Inversion Methods
91	Dr. Rupraj Biswasharma	Scientist C	Atmospheric Convection, Atmospheric Electricity, Satellite and Radar Meteorology
92	Dr. Moumita Bhowmik	Scientist C	Cloud microphysics, Convection, Aerosol-Cloud Interaction (ACI), and Cloud-Radiation
93	Ms. Neelam Namadev Malap	Scientist C	Clouds, aerosols and atmospheric boundary layer physics
94	Dr. Umakanth Uppara	Scientist C	Monsoon and its variability, Climate change impacts on Himalayan Glaciers
95	Dr. Saikat Pramanik	Scientist B	Physical Oceanography, Ocean Modeling
96	Dr. Jeni Victor N.	Scientist C	Aerosol-cloud-precipitation interaction, Thunderstorm and lightning activity
97	Dr. Nanaji Rao Nellipudi	Scientist C	Atmospheric Modelling
98	Dr. Himabindu Hanumanthu	Scientist C	Tropical cyclones generated gravity waves, Weather Research and Forecasting model simulations and their verification, Madden-Julian Oscillation, Linear Atmospheric model, Atmospheric structure and dynamics
99	Shri. Manoj Arjun Domkawale	Scientist C	Atmospheric Electricity, Instrumentation, Lightning and Thunderstorm, Global Electric Circuit, Lightning Location Network, Lightning and Mitigation
100	Mr. Harikrishna Devisetty	Scientist C	Radar and Satellite Meteorology
101	Shri. Sachin Suresh Patil	Scientist C	Atmospheric instrumentation, Aerosol cloud interactions

102	Dr. Sandeep Dnyandeo Wagh	Scientist C	Aerosol-Cloud interaction, Fog microphysics, Aerosol-fog interaction, Cloud Physics, Ice Nucleation.
103	Mr. Sreenivas Gaddamidi	Scientist B	Expertise in Greenhouse Gases (GHGs) in-situ measurements, Aircraft measurements, Voyage measurements, and Remote sensing of GHGs, Global warming and Climate research.
104	Shri. Sandip Ingle	Scientist C	Climate Model Data Management, Climate Model Data Archival and Maintenance
105	Dr.(Smt.) Katru Naga Lakshmmi	Scientist B	Monsoon variability
106	Dr. Deewan Singh Bisht	Scientist C	Atmospheric Aerosols and Precipitation Chemistry
107	Dr. Abhishek Gupta Email: abhishek.gupta@tropmet.res.in	DST Inspire Faculty	Investigation of Surface Layer Turbulent Fluxes and Atmospheric Boundary Layer Characteristics Using Eddy Covariance and Automatic Weather Station Observations
108	Dr. Sourav Chatterjee Email: sourav.chatterjee@tropmet.res.in	Scientist E	Polar Climate variability
109	Dr. Gaurav Govardhan Email: gaurav.govardhan@tropmet.res.in	Scientist D	Aerosol modelling and aerosol radiation interaction.

The profiles of IITM scientists are available on the link given below.
https://www.tropmet.res.in/scientists.php