Ministry of Earth Sciences, Government of India
INDIAN INSTITUTE OF TROPICAL METEOROLOGY (IITM),
Dr. HomiBhabha Road, Pashan, Pune-411008
Advertisement No. PER/05/2022
RECRUITMENT OF VARIOUS PROJECT POSTS PURELY ON SHORT TERM
CONTRACT BASIS

The Indian Institute of Tropical Meteorology (IITM) is an autonomous research organization fully funded by Ministry of Earth Sciences, New Delhi. It is a premier Institute of national and international repute, devoted to research in various aspects of atmospheric sciences with emphasis on tropical meteorology, particularly on the Climate Change and Indian Monsoon.

It is proposed to recruit the following posts as detailed below:

Sr. No	Name of Post	Pay	No of posts $	Age Limit In years
1.	Project Scientist -III	₹ 78,000/- + HRA	04	45
2.	Project Scientist –II	₹ 67,000/- + HRA	16	40
3.	Project Consultant	₹ 78,000/- **#**	02	65
4.	Program Manager	₹ 78,000/- **#**	01	65
5.	Project Scientist- I [SC-2 &ST-1]	₹ 56,000/- + HRA	07	35
6.	Senior Project Associate	₹ 42,000/- + HRA	02	40
7.	Project Associate-I [SC-1, OBC-01 & ST-01]	₹ 31,000/- + HRA * ₹ 25,000/- + HRA	11	35
8.	Project Associate-II [SC-1, ST-1 & EWS-01]	₹ 35,000/- + HRA* ₹ 28,000/- + HRA	11	35
9.	Technical Assistant	₹ 20,000/- + HRA	01	50
10.	Associate Engineer (Electrical)	₹ 28,000-/+ 3% annual increment	01	40
		Total Posts	**56**	

[Emoluments for Candidates having NET/CSIR-UGG / GATE or having passed national level examination conducted by Central Govt. Dept. and their agencies and Institutions]

 # Emoluments in case of retired employee being appointed will be fixed as per the Govt. Of India instructions or the emoluments mentioned above, whichever is less.

$ The number of vacancies mentioned in the advertisement may vary depending upon the requirements of the project.

- The appointment is purely on temporary and contractual basis initially for a period of one year. Extension of tenure is co-terminus with the project period and subject to the satisfactory performance.

- **Aspiring candidates may submit their applications along with their CV online only: http://www.tropmet.res.in/Careers**
- **Hard copy of the applications will not be accepted.**
- **Other relevant details about the posts are available under www.tropmet.res.in/Careers Facility for submitting online applications for the posts will commence on 12th July, 2022 (1700 hrs.)**

INSTRUCTIONS

1. The last date of submission of online application is **5th August, 2022 (1700 hrs.).** The last date is the cut of date for all purposes including age/qualification/experience etc.

2. Only Indian Nationals are eligible to apply.

3. Mere possession of required qualification will not entitle the candidates to be selected for interview. If the number of applications received in response to advertisement is large, it will not be convenient or possible for the selection Board to interview or conduct written test for all those candidates. The Institute may short list the candidates to a reasonable limit based on the essential and desirable qualifications / record of academic performance / relevant experience for the post or any other benchmarks as decided by a committee constituted to screen the applications.

4. No correspondence will be entertained with candidates who are not called for Interview/written examination.

5. Upper age limit is relaxed for SC/ST/ OBC/Physically Handicapped persons/Ex-servicemen as per Government of India norms.

6. Experience claim should be supported by valid documentation.

7. For other posts selection will be on the basis of performance of the screened in candidates, in the online/ offline interview.

8. Candidates must produce all original documents as proof of details furnished in the application and photocopy of each, at the time of joining. Any discrepancies found in the certificate will attract the disqualification of applications. Non production of the original certificates at the time joining will also make the candidate disqualified.

9. Selected candidate may have to join the post immediately, on being found fit by Medical Authority.

10. Essential qualification, experience and age limit can be relaxed at the discretion of the appointing authority in exceptional cases.

11. Doctorate Degree will count as 3 years of experience (in case the doctorate degree is not mentioned as the essential qualification).

12. No TA/DA will be paid for attending the interview/written examination. For SC/ST candidates admissible TA/DA shall be considered as per Government of India orders.

13. CGPA grading is to be converted in percentage.

14. Online application submitted without scanned copies of the certificates will be rejected.

15. Applicants working in Government/ Semi-Government/ Public Sector Undertakings/ Autonomous bodies should apply through proper channel. If application is not routed through proper channel, then the applicant must produce the requisite 'No Objection Certificate' from their employer at the time of interview.

16. Director, IITM reserves the right to fill-up or not to fill up the post advertised without assigning any reasons thereof.

17. Canvassing in any form and /or bringing any influence, political or otherwise will be treated as disqualification of candidature. No interm correspondence/inquiry will be entertained.

PROJECT SCIENTIST -III		
Post Code	:	**CVP2022-001**
Name of the post	:	**Project Scientist –III** **(Climate Variability and Prediction)**
Number of post	:	**02**
Essential Qualification	:	• Doctoral Degree in Meteorology/ Oceanography/ Atmospheric Sciences/ Physics/ Geophysics (Meteorology)/ Electronics/Mathematics or Master's degree in Engineering or Technology from a recognized University or equivalent. • Seven years proven research experience in Global Data Assimilation/Decadal prediction/ Decadal variability/Decadal predictability/Climate prediction/ Earth system modelling/ Climate modelling/ Coupled (ocean atmosphere) modelling/Sea ice modelling/Land surface modelling.
Desirable Qualification	:	• Basic knowledge in model code handling. Working knowledge of Atmospheric, Oceanic and Coupled General Circulation Models and issues related to porting, installation and troubleshooting of dynamical models in HPC. • The experience should be demonstrated through scientific reports/publications. • Experience in using programming languages (like Python, FORTRAN-90, C/C++ etc); Shell scripting is needed. Ability to write and prepare model code using program language and shell scripts. • Knowledge of parallel computing and porting general circulation models on the high-performance computer architectures. • Experience in handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc. • A knowledge in meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc). • Ability to work in large groups. • Knowledge of UNIX/LINUX System Administration would be an added advantage.
Job Responsibilities	:	Scientists will be responsible for developing decadal prediction system, handling the earth system model codes, its debugging etc. in HPC, preparing initial conditions for the decadal prediction system.

Post Code	:	**HACPL2021-001**
Name of the post	:	**Project Scientist – III** **(For Atmospheric Instrumentation)** **(To be posted at Mahabaleshwar, Satara District, Maharashtra)**
Number of post	:	**01 No.**
Essential Qualification	:	• Master's Degree in Physics/ Electronics/ Instrumentation or Bachelor's Degree in Engineering or Technology (Electronics / Instrumentation/ EEE) from a recognized University or equivalent with at least 60% marks. • Seven years of relevant experience in R&D in industrial and Academic Institutions or S&T organizations and scientific activities.

Desirable Qualification	:	• Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent. • Demonstrated experience in atmospheric instrumentation (i) operation /maintenance and calibration of atmospheric instrumentation relevant to atmospheric aerosols, CCN, Ice nuclei and Cloud microphysics. ii) demonstrated experience in participation in observational campaigns. processing and interpretation of atmospheric observations • High quality publication in SCI Index journals.
Job Responsibilities	:	• To manage observational Systems related to Aerosol, Clouds and ice nuclei measurements • Conduct observational campaigns and archive data sets • Handling of large volume of data and conversant with data format like NetCDF, HDF etc.

Post Code	:	**HPC2021-001**
Name of the post	:	**Project Scientist – III** **(For High Performance Computing Program)**
Number of post	:	**01 Nos.**
Essential Qualification	:	(i) Master's Degree in Computer/Computational Science, Computer Application, Mathematics (including applied Maths and statistics), Physics and Meteorology or in other subjects with majors in computing, mathematics, or application to meteorology/ physics/ chemistry with minimum 60% marks from a recognized University or equivalent. **Or** Bachelor's Degree in Engineering, Technology with minimum 60% marks (equivalent CGPA) from a recognized University or equivalent; **Or** MS in interdisciplinary studies with minimum 60% marks (equivalent CGPA) from a recognized University or equivalent; **And** (ii) Seven years experience in (a) Application/System software or (b) AI/ML model development or (c) HPC System/Network administration
Desirable Qualification	:	• Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent. • Good knowledge of basic programming (Fortran, C, C++), Python and/or web technologies and/or Operating systems, parallel file systems & Interconnect technologies. • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIBetc. • Experience is development of system software's, tools and applications used in high performance computing environment would be desirable. • Prior experience on the development of AI/Ml models, such as regression problems. • Good experience in development of parallel code using high level languages and/or in Python. • Experience on visualization software or development of visualization tools. • Knowledge of HPC Systems Administration would be an added advantage.

| Job Responsibilities | : | **The project scientist is expected to be involved in some of the following projects**
• Development of AI/ML (deep learning) models for Earth Science problems.
• Development and optimization of weather/climate forecasting (dynamical) models on latest supercomputers.
• Development of 3D visualization libraries for model output data.
• To work in the development and troubleshooting of various HPC applications-related issues. To work on the HPC system administration. |

PROJECT SCIENTIST -II

Post Code	:	CVP2022-002
Name of the post	:	**Project Scientist II** **(Climate Variability and Prediction)**
Number of post	:	**02 Nos.**
Essential Qualification	:	• Master's Degree in Physics/ Mathematics/ Meteorology/ Oceanography/ Atmospheric Sciences with minimum 60% marks or Master's degree in Engineering or Technology from a recognized University or equivalent • Three years proven research experience in Data Assimilation/Decadal prediction/ Earth system modelling/ Climate modelling / Coupled (ocean atmosphere) modelling/Sea ice modelling/Land surface modelling.
Desirable Qualification	:	• Doctoral Degree in any of the above subjects. • The experience should be demonstrated through scientific reports/publications. • Knowledge in programming languages (like Python, FORTRAN-90, C/C++ etc); Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc). • Experience in handling of a large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc. • Ability to work in large groups. • Knowledge of UNIX/LINUX System Administration would be an added advantage.
Job Responsibilities	:	Scientists will be responsible for developing decadal prediction system, handling the earth system model codes, its debugging etc. in HPC, preparing initial conditions for the decadal prediction system.

Post Code	:	CVP2022-003
Name of the post	:	**Project Scientist II** **(Climate Variability and Prediction)**
Number of post	:	**02**
Essential Qualification	:	• Master's Degree in Physics/ Mathematics/ Meteorology/ Oceanography/ Atmospheric Sciences with minimum 60% marks or Master's degree in Engineering or Technology from a

		recognized University or equivalent
		• Three years proven research experience in Decadal prediction/Climate prediction/ Earth system modelling/ Climate modelling /Seasonal prediction/Decadal variability/Atmospheric modelling/Ocean modelling/Coupled (ocean atmosphere) modelling/Monsoon teleconnection.
Desirable Qualification	:	• Doctoral Degree in any of the above subjects. • The experience should be demonstrated through scientific reports/publications. • Knowledge in programming languages (like Python, FORTRAN-90, C/C++ etc); Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc). • Experience in handling of a large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc. • Ability to work in large groups. • Knowledge of UNIX/LINUX System Administration would be an added advantage.
Job Responsibilities	:	Scientists will be responsible for preparing the decadal hind casts, understanding the decadal variability of Indian monsoon and its teleconnection, analysis of CMIP6/CMIP5 decadal hind casts, historical simulations and projections, preparation of climate variability products.
Post Code	:	**HACPL2021-004**
Name of the post	:	**Project Scientist – II** **(For Atmospheric Chemistry)** **(To be posted at Mahabaleshwar)**
Number of post	:	**1 No.**
Essential Qualification	:	• Master's Degree in Chemistry/ Physics/ Atmospheric Sciences from a recognized University or equivalent with at least 60% marks. • Three years of research experience in atmospheric chemistry. Experience in environmental pollution with familiarization in any of the following GC/MS, Aerosol Mass Spectrometry, Ion Chromotograph, Precipitation collector etc. Demonstrated experience in atmospheric chemistry especially aerosol/precipitation. Familiarization and experience in using PILS-IC, GC/MS type equipment and off-line sampling for atmospheric chemistry studies.
Desirable Qualification	:	• Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent. • Handling of large volume of data and conversant with data format like NetCDF, HDF etc.
Job Responsibilities	:	• Operation, maintenance and calibration of aerosol and precipitation chemistry equipment's • Participation in field campaigns for atmospheric chemistry measurements. • Analysis of aerosol/precipitation chemical composition.

Post Code	:	ART_Bhopal2021-003
Name of the post	:	Project Scientist – II (For ARTs/ Radar Remote Sensing) (To be posted at ART-CI facility at Silkheda, Sehore District)
Number of post	:	01 Nos.
Essential Qualification	:	• Master's Degree in Science (Physics/ Instrumentation/Meteorology/ Electronics/ Radio Physics) or Bachelor Degree in Engineering and Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent with at least 60% marks • Three years relevant experience in the field of atmospheric science such as (i) operation and maintenance of Doppler Weather Radars or radar wind profilers, ii) processing, analysis and interpretation of Doppler weather radar or Radar wind profiler data sets.
Desirable Qualification	:	• Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent. • High quality publications in SCI index journals in the relevant field • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB etc. • Ability to work in group and in remote environments. • Familiarity with Linux and computer programming like Python, MATLAB, NCL, GrADS, CDO etc.
Job Responsibilities	:	• Operation and maintenance of scanning Doppler weather radar systems for understanding precipitation and cloud formation processes. • Operation and maintenance of radar wind profilers for understanding vertical profiles of atmosphere and retrieval of wind profiles.

Post Code	:	ART_Bhopal2021-004
Name of the post	:	Project Scientist – II (For ARTs/ Atmospheric Instrumentation) (To be posted at Silkheda, Sehore District, 50 km from Bhopal)
Number of post	:	01 No.
Essential Qualification	:	• Master's Degree in Physics/ Electronics/ Instrumentation or Bachelor's Degree in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent with at least 60% marks. • Three years demonstrated experience in atmospheric science (i) operation, maintenance and calibration of atmospheric instrumentation relevant to weather parameters or atmospheric aerosols or atmospheric radiation or cloud precipitation microphysics or land surface parameters. (ii) demonstrated experience in participation in observational campaigns and interpretation of atmospheric observations.
Desirable Qualification	:	• Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent. • High quality publications in SCI index journals in the relevant field • Ability to work in group and in remote environments.

	:	• Demonstrated experience in atmospheric instrumentation for aerosol, cloud physics and precipitation measuring systems. • Handling of large volume of data and conversant with data format like NetCDF, HDF etc.
Job Responsibilities	:	Operation and maintenance of several aerosol measuring instruments (such as aerosol spectrometers, nephelometer, aethalometer, EC/OC analyser, Aerosol Chemical Speciation Monitor etc), cloud physics equipments (CCN counter, Cloud probes, Microwave radiometric profiler, Ice Nuceli spectrometer etc), precipitation measuring systems (Optical, impact and video disdrometers, Micro rain radar and rain gauge).

Post Code	:	**MAQWS2021-005**
Name of the post	:	**Project Scientist- II** **(Atmospheric chemistry – gaseous and aerosol pollutants)**
Number of post	:	**01 No.**
Essential Qualification	:	• B.Tech/BE (Environmental Engineering/ Atmospheric Sciences/Electronics/Instrumentation) with at least 60% marks from recognized University or equivalent. **OR** Master's degree (Chemistry/Physics/Atmospheric Sciences/ Environmental Sciences/Meteorology) with at least 60% marks from a recognized University or equivalent • Three years' experience in air pollution research related to VOC chemistry and measurement.
Desirable Qualification	:	• Ph.D in any of the above subjects would be a desirable qualification. • Good knowledge of atmospheric/environmental chemistry • Hands on experience on online and offline VOC measurements such as PTRMS, GC-MS , • Working knowledge of gas sample collection/preparation through samplers/TD tubes and other sample preparation methods.
Job Responsibilities	:	Scientist is responsible for conducting field campaigns, especially for gaseous pollutants. Should be able to prepare project proposal for funding independently.
Post Code	:	**NMM2021-005**
Name of the post	:	**Project Scientist –II (Model Diagnostic)**
Number of post	:	**01 No.**
Essential Qualification	:	• Doctoral Degree in Electronics/ Physics/ Mathematics/ Meteorology/ Oceanography/ Atmospheric Sciences or Master's degree in Engineering or Technology from a recognized University or equivalent • Three year experience of research in Atmospheric Science/Oceanography/Climate Sciences or allied fields
Desirable Qualification	:	• A good knowledge in climate system and coupled models for prediction. The experience should be demonstrated through scientific reports/publications.

		• Knowledge in programming languages (like FORTRAN-90, C/C++ etc); Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc). • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc. • Ability to work in large groups. • Knowledge of UNIX/LINUX System Administration would be an added advantage. • Expertise in AI/ML techniques relevant to weather and climate sciences.
Job Responsibilities	:	To analyze the model outputs and diagnosing the errors and model performances.

Post Code	:	**NMM2021-007**
Name of the post	:	**Project Scientist II** **(Application development for agriculture & hydrology)**
Number of post	:	**01 Nos.**
Essential Qualification	:	• Doctoral Degree in Meteorology/ Oceanography/ Atmospheric Sciences/ Physics/ Geophysics(Meteorology)/ Agriculture /Agricultural meteorology/ Hydrology/Hydrometeorology or Master's degree in Engineering or Technology from a recognized University or equivalent. • Three year experience of research in Atmospheric Science/Oceanography/Climate Sciences or allied fields.
Desirable Qualification	:	• A good understanding about the role and usefulness of climate services in agriculture & hydrology. The experience should be demonstrated through scientific reports/publications. • Knowledge in programming languages (like FORTRAN-90, C/C++ etc); Shell scripting, GIS and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc). • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc. • Ability to work in large groups. • A good writing and communicating skill is needed. • Knowledge of UNIX/LINUX System Administration would be an added advantage • Expertise in AI/ML techniques relevant to weather and climate sciences
Job Responsibilities	:	Scientist will be responsible for developing application for the use of agricultural & hydrology sectors.

Post Code	:	**NMM2021-009**
Name of the post	:	**Project Scientist – II** **(for development of High resolution Global (6km) short range ensemble prediction system**
Number of post	:	**02 Nos.**
Essential Qualification	:	• Doctoral Degree in atmospheric Science/ Meteorology/ Oceanography/ Physics/Geophysics(Meteorology) or Master's degree in Engineering or Technology from a recognized University or equivalent. • Three years of experience of research in Atmospheric and or Oceanic Sciences.

Desirable Qualification	:	• Research Experience supported by peer reviewed publications in good impact journals would be an added advantage. • Working knowledge of Atmospheric General Circulation Models. • Experience in using Programming languages (like FORTRAN-90, C/C++ etc.), Shell scripting,; • Meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc.) • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB etc. • Ability to work in large groups. • Knowledge of UNIX/LINUX System Administration would be an added advantage. • The Selected candidates have to work on improvement of high resolution GEFS short range forecast. • Expertise in AI/ML techniques relevant to weather and climate sciences.
Job Responsibilities	:	The Selected candidates have to work on the implementation/improvement/configuration of short range prediction using high resolution Global Ensemble Forecast System (GEFS).

Post Code	:	**NMM2022-001**
Name of the post	:	**Project Scientist II (Model development and data assimilation)**
Number of post	:	**02 Nos.**
Essential Qualification	:	• Doctoral Degree in Meteorology/ Oceanography/ Atmospheric Sciences/ Physics/ Geophysics(Meteorology)/ Electronics/Mathematics or Master's degree in Engineering or Technology from a recognized University or equivalent. • Three years' experience of research in Atmospheric Science/Oceanography/Climate Sciences or allied fields.
Desirable Qualification	:	• Basic knowledge in model code handling and parameterization of different atmospheric processes and their representation in general circulation models. Working knowledge of Atmospheric, Oceanic and Coupled General Circulation Models and issue related to porting, installation and troubleshooting of dynamical models in HPC. The experience should be demonstrated through scientific reports/publications.. • Experience in using programming languages (like FORTRAN-90, C/C++ etc); Shell scripting is needed. Ability to write and prepare model code using program language and shell scripts. • Knowledge of parallel computing and porting general circulation models on the high-performance computer architectures. • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc. • A knowledge in meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDOetc). • Ability to work in large groups. • Knowledge of UNIX/LINUX System Administration would be an added advantage. • Expertise in AI/ML techniques relevant to weather and climate sciences.
Job Responsibilities	:	Scientists will be responsible for handling the model codes, its debugging, parameterization of processes in the coupled models, data assimilation etc for prediction purpose.

Post Code	:	**HPC2021-002**
Name of the post	:	**Project Scientist – II** **(For High Performance Computing Program)**
Number of post	:	**01 No.**
Essential Qualification	:	(i) Master's Degree in Computer/Computational Science, Computer Application, Mathematics (including applied Maths and statistics), Physics and Meteorology with or in other subjects with majors in computing, mathematics, or application to meteorology/ physics/ chemistry minimum 60% marks from a recognised University or equivalent. **Or** Bachelor's Degree in Engineering, Technology with minimum 60% marks (equivalent CGPA) from a recognised University or equivalent ; **Or** MS in interdisplinary studies with minimum 60% marks (equivalent CGPA) from a recognised University or equivalent; **And** (ii) Three years' experience in (a) Application/System software or (b) AI/ML model development or (c) HPC System/Network administration.
Desirable Qualification	:	• Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent; • Good knowledge of basic programming (Fortran, C, C++), Python and/or web technologies and/or Operating systems, parallel file systems & Interconnect technologies. • Prior experience on the development of AI/Ml models, such as regression problems. • Good experience in development of parallel code using high level languages and/or in Python. • Sound knowledge of latest Web Technologies and Web Trends • Knowledge of JavaScript and jQuery , HTML5, CSS3, JSON, XML, MySQL, AJAX, PHP, Python • Sound knowledge of NodeJs, Angular JS,OOPs concepts • Experience on visualization software or development of visualizarion tools. • Knowledge of HPC Systems Administration would be an added advantage.
Job Responsibilities	:	**The project scientist is expected to be involved in some of the following projects** • Involve in the development of AI/ML (deep learning) model for Earth Science problems. • Development of parallel python routines for data analysis. • Porting and optimization of weather/climate forecasting models on latest supercomputers. • To work on the HPC system maintenance and system administration.

Post Code	:	CDAC2022-001
Name of the post		Project Scientist – II (CDAC)
Number of post		01 No.
Essential Qualification	:	• Doctoral Degree in Atmospheric Sciences/Meteorology/Oceanography (or) in Physics/Geophysics/Mathematics or Master's degree in Engineering or Technology from a recognized University or equivalent. • Three years of experience in satellite and in situ data handling, geophysical modeling and network simulations.
Desirable Qualification	:	• Expertise in calibration, validation and theoretical analysis for field-scale soil moisture monitoring. • Working knowledge of handling hydrological models and experimental set ups using local and regional hydro-meteorological inputs. • Working knowledge in using scientific programming languages such as Fortran, C, Python, shell scripting, and analysis software tools such as CDO, NCO, Grads, NCL, , R, Python workflows etc. • Experience in HPC use and parallel computing (multi-threaded applications). • Conduct scientific research through analysis of hydro-meteorological observations and model outputs of land surface hydrological processes. • Knowledge of handling large datasets, and a good knowledge of NetCDF and various data formats. • Ability to prepare and submit manuscripts to peer-review journals.
Job Responsibilities	:	• Expertise in validation and theoretical processes for field-scale soil moisture monitoring • Optimization of the soil moisture sensor network using Hydrus and other Hydrological models • Conduct scientific research through analysis of Hydro-meteorological observations and model outputs relevant to land surface hydrological processes. • Handling hydrological models with regional and local hydro-meteorological inputs

PROJECT SCIENTIST - I		
Post Code	:	CVP2022-004
Name of the post	:	Project Scientist I (Climate Variability and Prediction)
Number of post	:	04 Nos.
Essential Qualification	:	Master's Degree in Physics/ Mathematics/ Meteorology/ Oceanography/ Atmospheric Sciences/ Statistics with minimum 60% marks or Master's degree in Engineering or Technology from a recognized University or equivalent
Desirable Qualification	:	• Two years of proven research experience after Master's degree in Decadal prediction/Climate prediction/ Earth system modelling/ Climate modelling /Seasonal prediction/Decadal variability/Indian Ocean Variability/ Atmospheric

modelling/Ocean modelling/Coupled (ocean atmosphere) modelling/Monsoon teleconnection/Air Sea Interaction/ Climate extremes/Statistical and dynamical downscaling.

- The experience should be demonstrated through scientific reports/publications/book chapters.
- Knowledge in programming languages (like Python, FORTRAN-90, C/C++ etc); Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc).
- Experience in handling of a large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc.
- Ability to work in large groups.
- Knowledge of UNIX/LINUX System Administration would be an added advantage.

Job Responsibilities	:	Scientists will be responsible for preparing the decadal hind casts, understanding the decadal variability of Indian monsoon and its teleconnection, Indian Ocean variability, analysis of CMIP6/CMIP5 decadal hind casts, historical simulations and projections, preparation of climate variability products.
Post Code	:	**ART_Bhopal2021-006**
Name of the post	:	**Project Scientist – I** **(For ARTs/ Atmospheric Instrumentation)**
Number of post	:	**1 Nos.** **(To be posted at ART-CI facility at Silkheda, Sehore District, 50 km from Bhopal)**
Essential Qualification	:	Master's Degree in Science (Physics/ Electronics/Atmospheric Science) or Bachelor's Degree in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent with at least 60% marks.
Desirable Qualification	:	• Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent. • Demonstrated Experience in (i) operation /maintenance of atmospheric instrumentation relevant to weather parameters or atmospheric aerosols or atmospheric radiation or cloud precipitation microphysics or land surface parameters. • High quality publications in the SCI index journals • Ability to work in group and remote environments
Job Responsibilities	:	The selected candidate has to work on to conduct/manage observational campaigns to study aerosol- cloud-precipitation interactions using in-situ and remote sensing instruments. This will involve setup, calibrate, maintain various aerosol instruments, cloud probes, precipitation measuring instruments such as aerosol spectrometers, nephelometer, aethalometer, EC/OC analyser, Aerosol Chemical Speciation Monitor etc), cloud physics equipments (CCN counter, Cloud probes, Microwave radiometric profiler, Ice Nuceli spectrometer etc), precipitation measuring systems (Optical, impact and video disdrometers, Micro rain radar and rain gauge.

Post Code	:	**NMM2022-002**
Name of the post	:	**Project Scientist I (Model diagnostics)**
Number of post	:	**01 No.**
Essential Qualification	:	Doctoral Degree in Electronics/ Physics/ Mathematics/ Meteorology/ Oceanography/ Atmospheric Sciences or Master's degree in Engineering or Technology from a recognized University or equivalent.
Desirable Qualification	:	• A good knowledge in climate system and coupled models for prediction. The experience should be demonstrated through scientific reports/publications.. • Knowledge in programming languages (like FORTRAN-90, C/C++ etc); Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc).. • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc.. • Ability to work in large groups. • Knowledge of UNIX/LINUX System Administration would be an added advantage.
Job Responsibilities	:	To analyze the model outputs and diagnosing the errors and model performances.

Post Code	:	**WiFEX2021-002**
Name of the post	:	**Project Scientist –I (WiFEX)**
Number of post	:	**01 Nos.**
Essential Qualification	:	PhD or M.Tech in Environmental Science /Atmospheric Sciences /Physics/Electronics subjects from a recognized university or equivalent.
Desirable Qualification	:	• Experience in operating relevant atmospheric instrumentation, maintenance of instrumentation and data acquisition or field experience. Basic experience in meteorological data analysis tools (like GrADS, NCL, tc.). Handling of large volume of data like text, NetCDF, HDF, GRIB etc. • A minimum 2 years of experience in numerical model like WRF/WRF-Chem.
Job Responsibilities	:	The selected candidate will work on improvement of Fog forecasting and air quality using like WRF/WRF-Chem.

PROJECT ASSOCIATE-II		
Post Code	:	**CVP2022-005**
Name of the post	:	**Project Associate II (Climate Variability and Prediction)**
Number of post	:	**01 No.**
Essential Qualification	:	• Master's Degree in Physics/ Mathematics/ Meteorology/ Oceanography/ Atmospheric Sciences/ Statistics or Bachelor's degree in Engineering or Technology from a recognized University or equivalent • Two years of proven research experience in / Earth system modelling/ Climate modelling/climate variability/climate extremes/statistical downscaling etc.
Desirable Qualification	:	• The experience should be demonstrated through scientific reports/publications/book chapters.

	:	• Knowledge in programming languages (like Python, FORTRAN-90, C/C++ etc); Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc). • Experience in handling of a large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc. • Ability to work in large groups. • Knowledge of UNIX/LINUX System Administration would be an added advantage.
Job Responsibilities	:	They will be responsible for understanding the decadal variability of Indian monsoon and its teleconnection, Indian Ocean variability, analysis of CMIP6/CMIP5 decadal hind casts, historical simulations and projections, preparation of climate variability products.

Post Code	:	UAS2021-003
Name of the post	:	**Project Associate–II**
Number of post	:	**02 Nos. [One to be posted at Pune and another at Mahabaleshwar]**
Essential Qualification	:	• Bachelor's degree in Engineering or Technology in Electronics/E&T/ Instrumentation/ Aeronautical/ Aerospace or Master's degree in instrumentation/ Electronics /Physics /Atmospheric science from a recognized University or equivalent. • Two years' experience in relevant field.
Desirable Qualification	:	Knowledge in UAV systems/ Avionics, & AI/ML. Experience in atmospheric measurements, atmospheric instrumentation, instrument calibration, data acquisition, data management and data analysis, satellite data retrievals. Computer programming skills (like Matlab, Python). Should be ready to work in field campaigns anywhere in India
Job Responsibilities	:	• Participate in field campaigns Sensor integration and developmental activities • Writing data retrieval algorithms/scripts • Maintain & operate atmospheric instruments • Data processing and data management

Post Code	:	HACPL2021-009
Name of the post	:	**Project Associate – II (For Atmospheric Instrumentation)**
Number of post	:	**1 Nos. (To be posted at Mahabaleshwar, Satara District, Maharashtra)**
Essential Qualification	:	• Master's Degree in Science (Physics/ Electronics / Atmospheric Science) or Bachelor's Degree. in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent. • Two years' experience in the relevant field.
Desirable Qualification	:	Experience in (i) operation /maintenance and calibration of atmospheric instrumentation relevant to weather parameters, atmospheric radiation (Radiation sensors, Sun Photometer, MFRSR), precipitation (Impact disdrometer, Rain gauge etc) and Radiosonde operation.
Job Responsibilities	:	To Assist in maintenance and operation of atmospheric instruments.

Post Code	:	MESONET2021-003
Name of the post	:	**Project Associate – II** **(For Urban Radar Network in Mumbai)**
Number of post	:	**01 No. (To be posted in Mumbai)**
Essential Qualification	:	• Master's Degree in Science (Instrumentation/ Meteorology/ Electronics) or Bachelor's Degree in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent. • Two years' experience in (i) operation and maintenance of Doppler Weather Radars, ii) handling of Doppler weather radar or Radar wind profiler data sets, or iii) experience in maintenance of urban rain gauge network
Desirable Qualification	:	• Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent. • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB etc. • Familiarity with Linux and computer programming like Python, MATLAB, NCL, GrADS, CDO etc.
Job Responsibilities	:	• To monitor and maintain radar network and rain gauge network in Mumbai Metropolitan region • Maintaining all necessary documentation to ensure efficient use of Urban Radar Network.

Post Code	:	TD2021-009
Name of the post	:	**Project Associate -II** **(For Atmospheric/Lightning Instrumentation)**
Number of post	:	**02 Nos.**
Essential Qualification	:	• M. Sc. (Physics/Meteorology) or M S (Inter disciplinary) • Two year's work experience in projects related to Atmospheric Science, especially in AI/ML.
Desirable Qualification	:	Experience in laboratory / measurement techniques and data analysis/ Programming
Job Responsibilities	:	The selected candidate is expected to take part in collection and analysis of data related to Atmospheric Electricity/Atmospheric boundary layer studies by using modelling and programming.

Post Code	:	CDAC2022-002
Name of the post	:	**Project Associate – II (CAD-C)**
Number of post	:	**1 Nos. (To be posted at Pune and New -Delhi)**
Essential Qualification	:	• M.Sc. in Atmospheric Sciences Physics/Environmental Science from a recognized university/institution OR Bachelor's degree in Engineering or Technology from a recognized University or equivalent. • 2 years' experience in Research and Development, industrial and academic institutions or science and technology organizations and scientific activities and services
Desirable Qualification	:	• Good knowledge of working in LINUX /UNIX system, R/FORTRAN programming skills. • It is desirable if the candidate has hands-on experience in running the WRF/WRF-Chem model.

		• Meteorological data analysis tools (like GrADS, NCL, MATLAB etc.),Shell scripting;
Job Responsibilities	:	The selected candidate will work on improvement of Fog forecasting and air quality using like WRF/WRF-Chem.

Post Code	:	**CDAC2022-003**
Name of the post	:	**Project Associate – II (CDAC)**
Number of post	:	**1 Nos. (To be posted at Pune and New -Delhi)**
Essential Qualification	:	• Master's degree in Science (Physics / Electronics / Atmospheric Sciences) or Bachelor's degree Engineering or Technology (Electronics / Instrumentation / EEE / E&T) from a recognized University or equivalent. • 2 years' experience in Research & Development, industrial and academic institutions or science and technology organization and scientific activities and services.
Desirable Qualification	:	• Experience in operation / Maintenance and calibration of atmospheric instruments such as AWS, FM-120, SMPS and Ceilometer. • Hands on experience atmospheric chemistry instruments such as MARGA and AMS in research lab/industry. • Experience in handling air quality data & programming using MATLAB/ Python/IDL/FORTRAN.
Job Responsibilities	:	• To assist in maintenance and operation instruments. • Participate in filed campaigns

Post Code	:	**CDAC202-004**
Name of the post	:	**Project Associate – II**
Number of post	:	**1 Nos. (To be posted at Pune)**
Essential Qualification	:	• B. Tech / BE (Computer / IT / Electronics & Telecommunication) from recognized University or equivalent. • Two years' experience in the relevant field.
Desirable Qualification	:	• First Class (60% or equivalent CGPA) M. Tech / ME (Computer / IT / Electronics & Telecommunication) from recognized University or equivalent • One year / Six Months CDAC Diploma in Advanced Software Development. • Domain experience in full stack web-application development with latest technologies (PHP, Python, Bootstrap, MySQL, JavaScript).Knowledge of framework like CodeIgniter and Django. Knowledge of Functional Testing, Performance Testing and SDLC.
Job Responsibilities	:	• Builds, designs, and maintains all websites and software applications. • Executes assignments with the use of web applications, scripts, and programming languages such as PHP, HTML, CSS, JavaScript, and APIs. • Evaluates written code to ensure it meets industry standards and is compatible with all devices.

Post Code	:	CDAC2022-005
Name of the post	:	**Project Associate – II (CAD-C)**
Number of post	:	**1 Nos. (To be posted at Pune)**
Essential Qualification	:	• M.Sc. in Atmospheric Sciences /Physics from a recognized university/institution OR Bachelor's degree in Engineering or Technology from a recognized University or equivalent. • 2 years' experience in Research and Development, industrial and academic institutions or science and technology organizations and scientific activities and services.
Desirable Qualification	:	• Good knowledge of working in LINUX /UNIX system • It is desirable if the candidate has hands-on experience in running the WRF/WRF-Chem model. • Meteorological data analysis tools (like GrADS, NCL)
Job Responsibilities	:	The selected candidate will work on Air quality and atmospheric chemistry.

PROJECT ASSOCIATE-I		
Post Code	:	CVP2022-006
Name of the post	:	**Project Associate I** **(Climate Variability and Prediction)**
Number of post	:	**01**
Essential Qualification	:	Master's Degree in Physics/ Mathematics/ Meteorology/ Oceanography/ Atmospheric Sciences/ Statistics or Bachelor's degree in Engineering or Technology from a recognized University or equivalent
Desirable Qualification	:	• Experience in climate variability/ Earth system modelling/ Climate modelling /climate extremes/statistical downscaling etc. demonstrated through scientific reports/publications/book chapters. • Knowledge in programming languages (like Python, FORTRAN-90, C/C++ etc); Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDOetc). • Experience in handling of a large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc. • Ability to work in large groups. • Knowledge of UNIX/LINUX System Administration would be an added advantage.
Job Responsibilities	:	They will be responsible for understanding the decadal variability of Indian monsoon and its teleconnection, analysis of CMIP6/CMIP5 decadal hind casts, historical simulations and projections, preparation of climate variability products.

Post Code	:	UAS2021-002
Name of the post	:	**Project Associate–I**
Number of post	:	**01 Nos.**
Essential Qualification	:	• Bachelor's degree in Engineering or Technology in Electronics/ E&T/ Instrumentation/ Aeronautical/ Aerospace or Master's degree in instrumentation/ Electronics

		/Physics /Atmospheric Science from a recognized University or equivalent.
Desirable Qualification	:	Experience/Knowledge in satellite data, atmospheric measurements, atmospheric instrumentation, and data analysis. Computer programming skills (like Matlab, Python). Should be ready to work in field campaigns anywhere in India
Job Responsibilities	:	• Maintenance, calibration and operation of atmospheric instruments. • Writing data retrieval algorithms /scripts • Participate/assist in field campaigns.

Post Code	:	**CAIPEEX2022-001**
Name of the post	:	**Project Associate I**
Number of post	:	**02 No.**
Essential Qualification	:	Master's Degree in Science (Physics, Chemistry, Atmospheric Physics and Oceanic/Space Sciences/Meteorology) from a recognized University or equivalent
Desirable Qualification	:	Experience with atmospheric data analysis, Numerical Models, Programming skills with Fortran/ Python / C or C++. Experience with simulations of atmospheric flows using mesoscale models.
Job Responsibilities	:	Radar data analysis, numerical modelling, aerosol-cloud-precipitation interaction studies, radiative forcing calculations, preparation of publication-quality manuscripts.

Post Code	:	**ART_Bhopal2021-009**
Name of the post	:	**Project Associate – I (For ARTs/ Mechanical)**
Number of post	:	**01 No.** **(To be posted at Silkheda, Sehore District, 50 km from Bhopal)**
Essential Qualification	:	Bachelor's Degree in Engineering or Technology (Mechanical) from a recognized University or equivalent
Desirable Qualification	:	• Experience in scientific/research equipment installation • Experience in HVAC Systems
Job Responsibilities	:	To help installation of scientific equipment in observatory and tall tower and its instrument maintenance.

Post Code	:	**MESONET2021-004**
Name of the post	:	**Project Associate – I** **(For Urban Radar Network in Mumbai)**
Number of post	:	**02 Nos [To be posted one in Mumbai and another in Pune]**
Essential Qualification	:	Master's Degree in Science (Instrumentation/Electronics/Atmospheric science/Meteorology) or Bachelor's Degree in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent.
Desirable Qualification	:	• Experience in (i) operation and maintenance of Doppler Weather Radars, ii) handling of Doppler weather radar or Radar wind profiler data sets, or iii) experience in maintenance of urban rain gauge network • Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent. • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB etc.

		• Familiarity with Linux and computer programming like Python, MATLAB, NCL, GrADS,CDO etc.

Post Code	:	**MAQWS2021-008**
Name of the post	:	**Project Associate I (Air quality research)**
Number of post	:	**02 Nos**
Essential Qualification	:	• B.Tech/BE (Electronics/Computer Science/ IT/ Electrical/ Instrumentation/Remote sensing/Environmental Engineering/Geoinformatics) from recognized University or equivalent. **OR** • Master's degree in Computer Science/Remote sensing/ Instrumentation/ Statistics/ Atmospheric Sciences/Meteorology from recognized University or equivalent.
Desirable Qualification	:	• Knowledge of computer programming, web portal design/App development, management, Data (formats like nc, images, binary, etc) analysis, real-time graphical visualization in web portals. • Basic knowledge of Atmospheric Instruments and data acquisition. • Candidate should be ready to work in field campaign anywhere in India. • Knowledge of computer, data management and Programming . • Working knowledge of Python, HTML, Java Script, MySQL, Photoshop, etc
Job Responsibilities	:	Selected candidates are expected to involve in: Analysis of weather and air quality data, web portal updation with required information, real time computation and graphical visualization of information in web portals. Air sample collection during field campaigns, routine operation of instruments measuring air pollution. Development/modification of low cost indoor/outdoor air pollution sensors. Assisting in lab work and scientific/research work.
Post Code	:	**CDAC2022-006**
Name of the post	:	**Project Associate – I (CDAC)**
Number of post	:	**1 Nos. (To be posted at Pune)**
Essential Qualification	:	• M.Sc (Physics/Math/Meteorology) or MS (Interdisciplinary course [IDC]) from recognized University or equivalent. OR • B. Tech / BE (Computer / IT / Electronics & Telecommunication) from recognized University or equivalent.
Desirable Qualification	:	• First Class (60% or equivalent CGPA) M. Tech / ME (Computer / IT / Electronics & Telecommunication) from recognized University or equivalent • Good experience in development of code for AI/ML algorithms applied to Earth science data. • Excellent knowledge of Python, Tensor flow/Pytorch and visulization libraries. • Experience in Earth science data handling libraries such as Xarray, DASK, ScikitLearn etc. • Experience in web or app development.

Job Responsibilities	:	• Development of AI/ML models for forecasting of meteorological variables. • Integrating with IITM scientist. • Development app or website to deploy the AI/ML models.

Post Code	:	CDAC2022-007
Name of the post	:	Project Associate – I (CAD-C)
Number of post	:	1 Nos. (To be posted at Pune and New -Delhi)
Essential Qualification	:	• M.Sc. in Atmospheric Sciences Physics/Environmental Science from a recognized university/institution OR Bachelor's degree in Engineering or Technology from a recognized University or equivalent.
Desirable Qualification	:	• Good knowledge of working in LINUX /UNIX system, Python programming skills. • It is desirable if the candidate has hands-on experience in analyzing the data of the WRF/WRF-Chem model.
Job Responsibilities	:	The selected candidate will work on improvement of air quality using like WRF/WRF-Chem.

SENIOR PROJECT ASSOCIATE		
Post Code	:	CAIPEEX2021-007
Name of the post	:	Senior Project Associate (For FDL)
Number of post	:	01 No.
Essential Qualification	:	● Master's Degree in Science (Physics, Atmospheric and Oceanic/Space Sciences) or Bachelor's Degree in Engineering/Technology (Mechanical, Aerospace, Civil, Computer Science) from a recognized University or equivalent ● Four years' experience, in R&D institutions / organisations / academics / universities within India or abroad, with reference to experiments / numerical simulations of laboratory / atmospheric / oceanic fluid flows.
Desirable Qualification	:	Experience with laboratory fluid mechanics experiments. Experience with direct numerical simulations of fluid flows using parallel computing on high performance computing facilities using Fortran, Python, C or C++. Experience with simulations of atmospheric flows using WRF or other models. Experience with oceanic flow simulations.
Job Responsibilities	:	Focus on the numerical simulations of laboratory and atmospheric / oceanic flows, contribute to the conduct of experiments, data quality checks, data analysis, preparation of publication-quality manuscripts

Post Code	:	DESK2021-006
Name of the post	:	Senior Project Associate
Number of post	:	01 No.
Essential Qualification	:	• A Master's degree or equivalent in Computer Science, Computer Application from a recognized University or equivalent. **OR** A Bachelor's degree in Engineering or Technology in Computer Science. • 4 years of work experience in web application development, designing, testing & security implementation.

Desirable Qualification	:	Work experience in PHP, MySQL Development, MVC Pattern and any framework laravel/codeigniter, documentation of installation instructions, internal release notes, dataflow, user guide, and design documents, Linux OS, Photoshop, CorelDraw, develop, design and maintenance of Institutional Repository.
Job Responsibilities	:	• Development and maintenance of website and web applications for IITM/ IITM Projects for information dissemination (Reach Out activities) • IT responsibilities for conducting MoES/ DESK/ IITM Webinars • Development of web-based IITM R&D products, as per requirement of IITM/ MoES/ MoES Institutions (for Reach-Out activities). • As per requirement, will work for IITM/ MoES/ MoES institution web related application development, Conference websites. • Boasting visibility of IITM web-based application products for researchers/ public. • Implementation of web-security as per Ministry. • Design and development of Institutional repository for IITM PhD Theses, Video Lectures, etc. • Development of API for Ministry/ other MoES institutes. • Technical updation of IITM Dashboard • Conducting online Poster sessions for various Workshops/Meetings such as RAC, etc. • Technical Support to Computer Division as and when required. • Technical support for Library software's such as LIBSYS, DSPACE

Post Code	:	**DESK2021-009**
Name of the post	:	**Technical Assistant**
Number of post	:	**01 Post**
Essential Qualification	:	Bachelor's degree in Science / 3 Years diploma in Engineering & Technology
Desirable Qualification	:	a) Bachelor's degree in Library & Information Science BLIS or equivalent b) 2 years of work experience in reputed Library c) Bachelor's degree in Computer Science/ Computer Application/ Business Administration / 3 Years diploma in Engineering & Technology (Computer Science) along with 1 year of work experience in reputed Library or relevant area/skills mentioned under (d) d) Experience in writing research papers/ Videography/ Photography, CorelDraw/ photoshop, LibSys/ Koha, designing flyers, etc. will be an added preference.
Job Responsibilities	:	• For IITM Research Fellows/ Researchers: **Library Services** (Membership, Circulation, purchase of Books/ Journals, Acquisition, Stock Verification of IITM Library Resources, Reprographic services) • Assistance in all developmental activities of IITM Library, Bibliography, Reprints/ articles arrangement on Library loan, etc.

		• Assisting in carrying out Library Case studies and writing research papers.
		• Digitization of IITM Resources such as Thesis, Reports, Documents
		• Daily tracking IITM news clippings and providing news services to IITM/MoES
		• Photography / Videography.
		• Assistance in conducting USER Education sessions for Research fellows, Trainees and scientists of IITM.

Post Code	:	**DESK2021-004**
Name of the post	:	**Program Manager**
Number of post	:	**01 No.**
Essential Qualification	:	• Ph.D. in the fields of Ocean Sciences/Atmospheric Sciences/Marine Sciences/ Physics from a recognized University or equivalent. • 20 years' experience in relevant field.
Desirable Qualification	:	• Experience in Govt./PSU/Autonomous bodies with last five years in Director or Program Director or Chief Scientist level. • Coordination of various Academic Programs at Post graduate and/or PhD level • Experience in heading national and international projects, organizing conferences/workshop/training programs. • A short write up less than a page on challenges you have overcome and innovation you made in your immediate past job may be included along with the application with special emphasis on Academic Programs coordinated on masters or higher degrees. • Retired officials with relevant experience may also apply.
Job Responsibilities	:	• He/She will be responsible for project management of Ministry's (MoES) Development of Skilled Manpower in Earth System Science (DESK) functioning at IITM Pune. • Organizing short and medium duration training programs, targeted training program on specific areas, conducting workshops (online/offline) and Planning and Coordination of International PhD program for the ministry (MoES) focusing on BIMSTEC nations.

Post Code	:	CVP2022-007
Name of the post	:	**Project Consultant** **(Climate Variability and Prediction)**
Number of post	:	02
Essential Qualification	:	• Ph.D. in the fields of Ocean/atmospheric sciences/Physics/ Mathematics or Master's degree in Engineering or Technology from a recognized University or equivalent. • 20 years' experience in the project management.
Desirable Qualification	:	• Experience in climate services or development of application products for agricultural or hydrological applications. • Good knowledge on the applications of climate prediction products in the field of agriculture, hydrology etc.

		• A short write up (less than a page) on challenges you have overcome and innovation you made in your immediate past job may be included along with the application • Retired officials with relevant experience may also apply.
Job Responsibilities	:	He/She will be responsible for guiding/carrying out research projects relevant to climate variability and prediction, development of application tools for agriculture, hydrology etc. based on model forecasts.

Post Code	:	**IITM-AE2022-001**
Name and no. of Post	:	**Associate Engineer (Electrical)**
Number of post		**1 No.**
Essential Qualifications:	:	• B.E./ B.Tech in Electrical and Electronics/ Electrical/ Power Engineering from recognized University/Institute with at least 60% marks. • A minimum of 03 years work experience in Electrical Projects and Maintenance.
Desirable experience		Work experience of 22KV HT substation. Good knowledge of HT and LT control circuits, UPS system, DG, and AMF system. Experience in handling Solar PV systems. Knowledge of Autocad and Electrical drawings.
Job Responsibilities	:	• Supervision of 22 KV, 11 KV HT substations and LT maintenance activities of Institute, residential quarters, student hostel, laboratories, auditorium, and other areas of Institute. Carrying out Preventive, Predictive, and breakdown maintenance, proactively identifying areas of obstruction/ breakdowns, and taking steps to rectify equipment breakdown by reducing downtime. • Monitoring expansion projects, execution of electrical works, designing, estimation, tendering, construction management, material management of the department.