



DEPARTMENT OF PHYSICS

MANIPUR TECHNICAL UNIVERSITY

(A University established under the Manipur Technical University Act, 2016)

Takyelpat, Imphal, Manipur- 795004

No.: MTU/PHY/03/2020

08-09-2020

Recruitment of a Junior Research Fellow for an ISRO-MTU joint project

Applications are invited from suitable candidates for the position of one **Junior Research Fellow** in a 5-year research project entitled “**Spatio-temporal investigation of Arctic and Antarctic sea ice area and thickness**”, a joint project under Polar Cryosphere component of Cryosphere science and Applications Program (CAP) (2020-2025) funded by **Space Applications Centre-Indian Space Research Organisation (ISRO)- Ahmedabad, Department of Space**, Govt. of India, under the supervision of Dr. Rajkumar Kamaljit Singh (Principal Investigator).

Specific requirements are given hereunder.

Sl. No.	Post	No. of post	Qualification	Post duration	Emoluments (Consolidated)
1.	Junior Research Fellow	01	Essential Qualification: M.Sc. in Physics. Candidates with M.E. /M. Tech. degree in one of the disciplines: Electronics, Computer Science or Remote Sensing and GIS, can also apply. The candidate should have at least a first division (60% and above or the equivalent grade if in grading system) in the qualifying degree. For candidates with M. Tech. degree, either Image Processing, Remote Sensing, Geoinformatics or Satellite & Space communication should be one of their core/elective subjects. Desirable Qualification: Preferences will be given to those with valid NET/GATE scores, having experience in analysis of earth observing satellite (EOS) data and a good knowledge of one of the computer programming languages (Python, Matlab, C/C++, IDL, FORTRAN90/95).	5 years or coterminous with the project.	Rs. 31,000 + 10% HRA for first two years (JRF) and Rs. 35,000 + 10% HRA for the remaining year (SRF), if the work progress is satisfactory.

Nature of job: The JRF is required to analyse satellite derived data in order to carry out a long-term analysis of sea ice extent, concentration, area and thickness for the Arctic as well as the Antarctic. A major component of the project will be development and validation of various techniques and algorithms to achieve the goal of the project.

TERMS & CONDITIONS:

- Only online application will be accepted. The application should be addressed to kamaljit.rajkumar@gmail.com along with a scanned copy of recent passport size photograph (selfies strictly not allowed), self-attested photocopies of degree certificates and mark sheets with complete bio-data. The subject line of the email **should strictly be** "*Application for the post of Junior Research Fellow for ISRO sponsored CAP project*".
- The complete application must reach the above-mentioned address on or before **15 October, 2020 by 4:00 PM**.
- List of shortlisted candidates and date of interview will be uploaded on the University website (www.mtu.ac.in) and no separate call letter will be issued. Interview will be done through Skype video conferencing.
- Original documents of age proof certificates/degrees/mark sheets and other testimonials must be presented once the normal academic activities get resumed at the University.
- Mere fulfilment of the required qualifications and experience does not entitle a candidate to be shortlisted or called for interview.
- The Principal Investigator of the project reserves the right to fill or not fill the position.

Sd/

(Dr. Rajkumar Kamaljit Singh)

**Principal Investigator & Head,
Department of Physics
Manipur Technical University**