Applications are invited from suitable candidates for a temporary position to work at DA-IICT on an Indian Space Research Organisation (ISRO) sponsored research project financed by the Department of Space, GoI, India. The project details, requisite qualification & experience etc. are given below:

**Title of the Project:** SAR Polarimetric image classification using Wishart Mixture Model and Convolutional Neural Network

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<th>Position and Fellowship</th>
<th>Junior Research Fellow (JRF) – 1 post</th>
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<td>Rs. 31,000/- p.m. + HRA</td>
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**Essential Qualifications**
- M.Tech (CS/ ICT/ ECE/ EE) or Equivalent with 60% marks and with GATE qualification.
  - OR
  - B.E./B.Tech. in CS/ICT/ECE/EE or Equivalent with 60% marks and with GATE qualification.
  - OR
  - M.Sc in Electronics or Computer science with 60% marks and with valid CSIR-UGC NET qualification (including lectureship) and 2 years of Industrial/Research experience will be given preference.

**Desirable Qualifications**
- Basic knowledge in Image Processing
- Basic knowledge in Machine Learning
- Programming skills in Python
- Handling GPU systems

**Period of Appointment:**
This post is purely temporary for a duration of 1 year. Appointment will be made initially for 6 months and further extendable subject to satisfactory performance. It would, therefore, not confer any right for any candidate for claiming extension or absorption in DA-IICT. However, the selected candidate will be encouraged to apply for the PhD program of DA-IICT as per the available guidelines.

**Job Description**
Study the Wishart Mixture Model (WMM) for classification of SAR Polrimetric data.— Parameter estimation of WMM using expectation maximization (EM), Sampling Re-sampling based Bayesian approach and k-MLE—Validation of thus constructed model for crop discrimination/classification — Analysis and classification of polarimetric SAR images using convolution neural networks (CNN) — Fusing classical machine learning with CNN—Validation of thus constructed model for crop discrimination/classification.
How to Apply:

The interested candidates must send the Curriculum Vitae with complete qualification and experience details latest by August 15, 2022 through an e-mail to Prof. Srimanta Mandal (srimanta_mandal@daiict.ac.in).

Please write “Application for JRF position for SARNN at DA-IICT” in subject line of the email.

Candidates will be shortlisted for interview based on their CV, qualifications and experience. Only shortlisted candidates will be called for interview and the candidates are required to attend at their own expenses, no TA/DA will be provided.

Tentative date of Interview: August 18, 2022.

Expected start date: Last week of August, 2022.