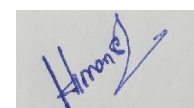


Sanction No and Date: TEXMiN/2022-23/025/222	TEXMiN Project No. PSF-IH-1Y-025	Date: 03.02.2023
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**“Research Associate position” under “Technology Innovation in Exploration & Mining Foundation (TEXMiN) under Technology Innovation Hub (TIH)” Project**

Applications are invited under the sponsored project. The details of the project are as under:

Position	Research Associate
Number of Position (s)	1
Title of The Project	<b>Development of Channel Estimation and Phase Optimization Algorithms for Implementation of Intelligent Reflecting Surface (IRS) Assisted Wireless Systems in Underground Mines</b>
Principal Investigator	Prof. Himanshu Bhusan Mishra
Tenure of Project	1 Year
Job Description and skill	The project aims to 1) develop novel channel estimation and phase optimization algorithms for IRS assisted wireless systems for underground mines scenario, 2) implement these algorithms in MATLAB/Python/Verilog/VHDL, and 3) Hardware prototyping using software-defined-radio (SDR).
Essential Qualification	PhD or Equivalent degree in Electronics & Communication Engineering (ECE) with at least one research paper in SCI Journal. or Having 3 years of research, teaching/industry experience after ME/MTech in ECE with at least one research paper in SCI Journal.
Desirable Qualification	The candidate should have basic knowledge of Wireless Communication, Signal Processing, Probability and Linear Algebra / Optimization / Machine Learning Algorithms. Furthermore, the candidate should be good in programming languages like C/C++/Python/MATLAB/VHDL/Verilog.
Age and Relaxation (if any)	42 Years Maximum
Fellowship	<b>Rs. 47,000/- + HRA</b>
Last Date & Time	<b>12 Feb, 2023 (11:59 PM)</b> <b>Apply Here: <a href="https://forms.gle/KpRUcwwNLbqdidUr6">https://forms.gle/KpRUcwwNLbqdidUr6</a></b> No Objection Certificate is required if selected.
Shortlisted candidates will be informed on the date of the interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirement of the project. No TA/DA will be paid to attend the interview.	



**(Signature of PI)**