Sanction No and Date: TEXMiN/2022-23/022/194	TEXMiN Project No. PSF-IH-1Y-022	Date: 05.06.2023

"Research Fellow position" under "Technology Innovation in Exploration & MiningFoundation (TEXMiN) under Technology Innovation Hub (TIH)" Project

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

Position	UG Fellow
Number of Position (s)	2
Title of The Project	**Efficient Deep Learning in the EDGE**
Principal Investigator	Prof. Deepak Gupta
Tenure of Project	3 months
Job Description and skill	The positions will involve conducting research towards building efficient deep learning methods that can reduce the computational memory and time associated with current deep learning models. Candidates would primarily work towards the development of our open-source model compression toolkit. Selected candidate would also require to get involved in conducting rigorous literature survey, brainstorming new ideas, implementing the proof-of-concept and framing a high-quality publication and (or) patent based on the outcomes.
Essential Qualification	3rd & 4th Year B.Tech/B.E in Mathematics & Computing/ Mechanical Engg./Electronics and Communication Engineering/Computer Science Engineering 1. Strong foundations in machine learning and deep learning. Basic understanding of deep computer vision models. 2. Familiarity with any modern deep learning frameworks (Pytorch/Tensorflow/JAX) 3. Ability to design and run large scale deep learning experiments on distributed GPUs
Desirable Qualification	1. Undertaken courses in deep learning and related fields 2. Published papers in top tier conferences
Age and Relaxation (if any)	35 Years Maximum
Fellowship	Rs. 10,000 (consolidated)
Last Date & Time	Interested candidates are requested to send an application with detailed Bio-Data and a soft copy of educational qualifications with age proof to the Principal Investigator by Email: deepak.gupta@iitism.ac.in. on or before 12.06.2023. 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. Interested candidates may kindly send their CVs todeepak.gupta@iitism.ac.in.

(Signature of PI)