भारतीय प्रौद्योगिकी संस्थान तिरुपति
TIRUPATI
INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI
भारतीय प्रौद्योगिकी संस्थान तिरुपति
CENTRE FOR
SPONSORED RESEARCH AND CONSULTANCY
Yerpedu – Venkatagiri Road, Yerpedu Post, Tirupati District, A.P – 517619

No.: Advt/ IITT/CSRC/2023-24/16 **Date: 30-07-2024**

Applications are invited from eligible Indian nationals for a JRF position in a sponsored project undertaken in Department of Computer Science and Engineering.

Essential Qualifications	M. Tech or B. Tech in Computer Science Engineering or equivalent with above 6.5/10 CGPA or 65% marks. Relaxation of CGPA: 6.0 for OBC/EWS, 5.5 for SC/ST/PWD. Relaxation of marks: 60% for OBC/EWS, 55% for SC/ST/PWD GATE Qualification is necessary If M. Tech qualified candidates are unavailable, a B. Tech graduate can be selected as JRF / Project Associate – I
Research Area	High Performance Computing
Project No.	CSE2324002SERBRAGH
Sponsoring Agency	Department of Science & Technology, India
Required Positions	One
Consolidated Monthly Salary	JRF Rs. 37,000 + HRA as applicable Project Associate – I (GATE qualified) (Rs. 31,000) + HRA as applicable Project Associate – I (GATE not qualified) Rs. 25,000 + HRA as applicable
Principal Investigator	Dr. Raghavendra Kanakagiri
Department/Center	Computer Science and Engineering
Maximum Tenure of Assignment	2 years
Brief Project Description and Nature of the Work	The previous decades of high-performance computing were dominated by homogeneous systems with general-purpose processors, where parallelism was achieved through multiple processors working together. Message passing was the predominant programming model. However, today's landscape is markedly different, with a significant increase in the parallelism available on a single compute node. High-performance computing will continue to be dominated by heterogeneous systems, which are composed of a mix of general-purpose processors, accelerators, and specialized processors. This trend is driven by energy constraints and the ever increasing demand for performance. Sparse tensor computations, which are central to numerous applications such as machine learning, computational quantum chemistry, and numerical linear algebra, need to adapt to this paradigm to fully utilize the capabilities of modern machines. This project aims to accelerate these computations on contemporary hardware.
Age Limit	Below 28 Years as on the last date of Applications
Last Date of Application	8th August, 2024 (5:00 PM By email) csrc_recruitment@iittp.ac.in and raghavendra@iittp.ac.in

Eligible candidates must send a detailed CV specifying their Qualifications and Experience with scanned copies of marksheets and certificates from X class till date. A brief statement of purpose (Why they are interested in this project topic?) also to be submitted.

The shortlisted candidates will be informed by Email only. Selection will be based on the qualification, experience, and online interview at IIT Tirupati. No TA & DA for attending the interview. The interview date will be notified to the shortlisted candidates by Email.

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