

No: Advt/ IITT/CSRC/2223/21

Date:07-Feb-2023

Applications are invited from eligible Indian nationals for two Junior Research Fellow posts in a time-bound sponsored project undertaken in the Department of Computer Science and Engineering.

Temporary Position	Junior Research Fellow - 2
Essential Qualification & Experience	(FULL TIME POSITION – No Part Time Opportunity) Eligibility: (a) M.Tech or MS or dual degree in Computer Science & Engineering with a good academic record, and with valid NET/GATE Score (or) (b) Candidates with a B.Tech in Computer Science & Engineering from any IIT/IIIT/CFTI with an exceptionally good academic record and a minimum CGPA of 8/10, and with valid NET/GATE Score The candidate should have excellent academic record, relevant course work (AI/ML/NLP), software development experience, oral and writing skills, motivation to pursue high-end research and higher studies in the area of “ Software Engineering + Artificial Intelligence ”
Project Title	Semi-Automatically Generating Documentation to Facilitate Software Maintenance in Legacy Software Systems
Project Number	CSE2223002SERBSRID
Sponsoring Agency	SERB/Core Research Grant
No. of positions	Two
Consolidated monthly Salary	Rs. 31,000 per month (consolidated pay) with qualification (a) Rs. 31,000 per month (consolidated pay) with qualification (b)
Principal Investigator	Dr. Sridhar Chimalakonda
Department/Centre	Computer Science and Engineering
Tenure of Assignment	11 Months and may be extended for one more year based on the performance.
Brief Project Description and Nature of the Work	The primary goal of the project is to mine and analyze millions of software artifacts such as source code, pull requests, bug reports, issues, commits, release notes from multiple sources (e.g. GitHub, Readme files), and semi-automatically generate software documentation for legacy systems by leveraging the state-of-the-art techniques, frameworks and tools from AI/ML and Natural Language Processing. Work involves conducting empirical research studies, design and development of approaches and tools for mining artifacts and generating software documentation, and publication of results. Based on performance, candidates may be strongly encouraged to apply for PhD program at IIT Tirupati to work in Research in Intelligent Software & Human Analytics (RISHA) Lab (https://rishalab.in)
Age Limit	Below 28 years
Last date application	22 nd Feb 2023

Eligible candidates must send a **detailed CV (maximum 5 pages)** specifying their qualifications and experience **and a brief statement of purpose (Why are they interested, and what makes them qualified?)** on or before **February 25th 2023** to Dr. Sridhar Chimalakonda, Assistant Professor, Department of Computer Science and Engineering, IIT Tirupati at ch@iittp.ac.in

The shortlisted candidates will be informed by **Email only**. Selection will be based on the qualification, experience, and interview. **The interview and other logistics will be conducted via online only**. The interview date will be notified to the shortlisted candidates by Email. The candidate may appear in the interview through video conferencing. IIT Tirupati reserves the right to reject any or all the applications without assigning any reason thereof. IIT Tirupati also reserves the right to discontinue the position with 1 month notice if the performance is not satisfactory.

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