

## **Advertisement for the Post of JRF in MoE-STARS sponsored project**

Applications are invited for the following assignment on a purely time-bound research project undertaken jointly in the Department of Physics and Department of Materials Science and Metallurgical Engineering of the Indian Institute of Technology Hyderabad.

1	Name of the Post	Junior Research Fellow (JRF)
2	Number of Post	One (1)
3	Name of the Research Project	<b>Ultrafast Terahertz Super-Spintronics</b>
4	Name of the Sponsoring Agency	<b>MoE-Stars, Govt. of India</b>
5	Duration of the Position	2 Years
6	Consolidated Stipend	<b>Rs. 37,000/- per month (first two years)</b>
7	Essential Qualifications	<b>M.Sc. Physics/Materials Science/Nanotechnology and related areas or M. Tech in Laser Science/Applied Physics/ Photonics/Materials Science/Nanotechnology with 60% marks or equivalent CGPA. A valid GATE score is essential. CSIR/NET preferred.</b>
8	Age	<b>Candidates should not be more than 28 years.</b>
9	For technical information of the project, the candidate may contact the Principal Investigator at the following address/phone: 1. Name: Dr. Chandrasekhar Murapaka, Email: <a href="mailto:mchandrasekhar@msme.iith.ac.in">mchandrasekhar@msme.iith.ac.in</a> , 2. Dr. Yogesh Kumar Srivastava, Email: <a href="mailto:yogesh.srivastava@phy.iith.ac.in">yogesh.srivastava@phy.iith.ac.in</a> , Address: Department of Physics/, Department of Materials Science and Metallurgical Engineering, Indian Institute of Technology Hyderabad, Kandi, TS-502285, India Tele. No: 040-2301-8458. E-mail: <a href="mailto:mchandrasekhar@msme.iith.ac.in">mchandrasekhar@msme.iith.ac.in</a> , <a href="mailto:Yogesh.srivastava@phy.iith.ac.in">Yogesh.srivastava@phy.iith.ac.in</a>	

- Eligible candidates should apply with their CV via email to [mchandrasedkhar@msme.iith.ac.in](mailto:mchandrasedkhar@msme.iith.ac.in) or [yogesh.srivastava@phy.iith.ac.in](mailto:yogesh.srivastava@phy.iith.ac.in) on or before June 30, 2025, with the subject marked as “JRF- STARS-JUNE-2025”.
- Candidates will be shortlisted for the interview based on merit and will be informed via email.
- Candidates shortlisted for interview should appear in person/ online with originals of degree certificates (one set of xerox), and date of birth proof along with any other relevant information (like copies of publications, awards, recommendations etc.).
- No travelling or any other allowances is admissible for attending the interview.
- Initially the JRF will be appointed for a period of one year and subsequently extended till the end of the project based on the student’s performance.

**Details about the projects:**

Ultrafast Terahertz Super-Spintronics: The aim of this project is to experimentally realize, comprehend, and enhance the spin transport in superconductors and heavy metals using terahertz emission and detection at cryogenic temperatures. The project involves the fabrication of thin films, terahertz set-up preparation, characterization and data analysis. The candidates should have interest in the above-mentioned job scope. The candidates with experience in optics, photonics, terahertz science, thin film deposition and characterization, low-temperature measurements will be preferred.