

No: Advt/ IITT/CSRC/2021-22/04

Date: 14<sup>th</sup> July 2021

Project Ref. No. ELE/20-21/003/SERB/PARM

Applications are invited from eligible Indian nationals for the post of Junior Research Fellow (JRF) in a time-bound SERB sponsored SRG project undertaken in the Department of Electrical Engineering.

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|------------------------------------|---|
| <b>Temporary Position</b>          | <b>Junior Research Fellow (one)</b>   |
| <b>Essential Qualification</b>     | <ul style="list-style-type: none"> <li>● Gate qualified ME/MTech/MS in Communication Engg/Signal Processing with a minimum of 65% marks, or</li> <li>● Dual Degree candidates from IITs/NITs in Electrical Engineering (with specialization in communication/signal processing) with a minimum CGPA of 7.0 or</li> <li>● BE/BTech in Electrical Engineering (with specialization in communication Engg) with a minimum of 65% marks and Gate score</li> </ul> |
| <b>Project Title</b>               | Ultra-Reliable Machine to Machine Communication with Short Packets for Mission Critical Applications  |
| <b>Sponsoring Agency</b>           | SERB-SRG project  |
| <b>Consolidated monthly Salary</b> | Rs. 31,000 + HRA (per month)  |
| <b>Principal Investigator</b>      | Dr. Parthajit Mohapatra   |
| <b>Department/Centre</b>           | Electrical Engineering  |
| <b>Tenure of Assignment</b>        | 6 Months with possible extension of another 10 Months subject to satisfactory performance and funding availability  |
| <b>Desired Experience</b>          | <ul style="list-style-type: none"> <li>● Must have exposure to wireless communication or digital communication.</li> <li>● Good Matlab programing skills</li> <li>● Exposure to Software Defined Radio is added advantage</li> </ul>  |
| <b>Nature of the Work</b>          | The project includes developing algorithms and performance analysis for 5G based wireless communication systems.  |
| <b>Age Limit</b>                   | 28 years (Relaxed for exceptional candidates)   |
| <b>Last date of application</b>    | 7th August, 2021  |

Eligible candidates may send a **detailed CV (maximum 2 pages)** specifying the qualifications and experience on or before **7th August, 2021** to Dr. Parthajit Mohapatra, Assistant Professor, Department of Electrical Engineering, IIT Tirupati at [parthajit@iittp.ac.in](mailto:parthajit@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. 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.