



# THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided, Autonomous Institution Affiliated to Anna University)

MADURAI-625015



## JRF Position Under SERB SURE Project



Thiagarajar College of Engineering, Madurai, invites applications for the post of **Junior Research Fellow (JRF)** to carry out the research entitled **“Fabrication Of Enhanced Sensitivity Curvature Sensor Using Photonic Crystal Fibre And Behavior Prediction Based On Auto Encoded Dense Neural Network”**, (File number: SUR/2022/003424-G) sponsored under **SERB State University Research Excellence (SURE)**, Department of Science and Technology, Government of India, New Delhi.

**Number of Positions: 1**

**Eligibility:** M.E/M.Tech in Optical Communication/ Opto-electronics/ Photonics/ Communication Systems, M.Sc. (Physics) (First Class with Distinction or First Class), or equivalent.

**Preferable:** Candidates should have cleared GATE at any period of time and working experience relevant to the project topic.

**Fellowship:** For the first two years Rs. 31,000 + 16% HRA and for the third year Rs. 35,000 +16% HRA for those (i) who have qualified CSIR-UGC NET including Lectureship or GATE or qualified through National Examination of Government Departments and Agencies. (ii) 25,000/- + 16% HRA for others who do not fall under the above category.

**Technical Knowledge:** Optical Communication, Fibre Optics & Photonics, and Machine Learning Algorithms.

**Software Skills:** COMSOL Multiphysics / MATLAB / Python.

**Registration for Ph.D.:** Selected candidates shall register for a full-time Ph.D program under Anna University, Chennai.

**Project Duration:** 3 years

**How to apply:** Candidates satisfying the required skills may send their detailed CV (only soft copies) on or before 10<sup>th</sup> Nov 2023 to the PI Dr.N.Ayyanar and Co-PI Dr.G. Prabhakar, Assistant professor, Department of ECE, TCE, Madurai-625 015 (Email: [naece@tce.edu](mailto:naece@tce.edu)). Mobile No.: 9659852418, 8870085579. The subject of the application e-mail should be **“Application for Junior Research Fellow in Photonics”**. The candidate will be expected to join immediately after receiving the offer letter.

Shortlisted candidates will be informed shortly and called for an interview.



*Prabhakar G*  
PRINCIPAL  
20/10/23

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