Advertisement for the post of JRF

Thapar Institute of Engineering and Technology
CEEMS
A TIET (Thapar Institute of Engineering and Technology) and VT (Virginia Tech, USA) R&D Quadrant

is inviting the application for Junior Research Fellow (JRF) post for the following Project

Name of the Project:
Design and Development of a Machine Learning based Wearable Metasurface device for Personal Health Monitoring systems

Brief Description of the Project:
The selected candidate will work towards developing a RF (Radio-Frequency) device comprising of Antenna and Metasurface elements that can be employed for personal health monitoring such as, cancer detection and blood-glucose monitoring. Specifically, the project focuses on two prime parts – (a) the design and simulation of RF device followed by (b) acquiring signal from bio-mimicked tissue using that RF device. Both the parts will involve employing Machine Learning-based algorithm like Artificial Neural Network (ANN).

Duration:
The duration of the fellowship is three years, subject to annual performance review. In exceptional cases, the duration may be extended.

Emoluments:
Selected candidates will receive a consolidated monthly package of Rs. 25,000. An additional amount for contingency/consumables/travel expenses will be provided, as needed.

Role:
The candidate is expected to work with his/her supervising faculty on the project.

Qualification:
M.Sc./M. Tech/M.E. in Electronics and Communication or related branch with strong academic record.

Application Procedure:
Interested candidate may send the application to any of the following mail-ids – amanpreet.kaur@thapar.edu, ashima@thapar.edu, arnab.pattanayak@thapar.edu

If you would like to know further information, please call @ +91-9815601313 or +91-9878017868 or +91-9167274389.