

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.