

Advertisement for UG Research Fellow Recruitment
Centre for Excellence in Emerging Materials – (TIET –VIRGINIA Tech Venture)
Thapar Institute of Engineering and Technology, Patiala, India

Project Title	Design and Development of a Smart-AI driven, Real-time, Vital Parameter monitoring System for Neonatal Care Units
Funding Agency	Thapar Institute of Engineering and Technology - VIRGINIA Tech
Investigators	Dr. Amanpreet Kaur , Associate Professor , ECED Dr. Anju Bala, Professor, CSED Dr. Anu Mittal, Associate Professor, MED
Position Available	01 Junior Research Fellow
Qualification	M.E. / MTech , ECE/CSE good hands-on knowledge of AI and Machine Learning
AGE LIMIT	28 years
Position Duration	1 year extendable to three years based upon performance
Fellowship amount:	Rs 30,000 per month
Application Procedure	The candidates may directly send their application forms to amanpreet.kaur@thapar.edu The application should include, a 1. A detailed CV, including the address of correspondence (phone, email, residential address), academic credentials from class X, current position and previous research experience. 2. List of publications and prescribed documents. 3. Self-attested copies of age proof, final mark sheets (graduation onwards). 4. Expected date of joining: 2nd week of October 2026
Nature of Job	Design and Development of IOT based systems for vital parameters measurement wirelessly. Training of ML models for abnormality detection Integration of hardware and software for a smart monitoring system in NICU wards. Integration of the Sensor based system with the Embedded system and an APP for user friendly interface.

****Contact:** Dr. Amanpreet Kaur (amanpreet.kaur@thapar.edu) the PI for any queries in this regard.

****Last date of receipt of complete application: 30th September 2026**