



Birla Institute of Technology & Science, Pilani

Pilani Campus

Sponsored Research and Consultancy Division (SRCD)

Date: March 31, 2022

JRF Recruitment Leading to Ph.D. (Ref: MapmyIndia/KamleshTiwari/CSIS/2022)

Applications are invited for suitable candidates for the post of Junior Research Fellow (JRF) to work on a research project sponsored by MapMyIndia Pvt. Ltd. under the supervision of Dr. Kamlesh Tiwari, Dr. Ashutosh Bhatia, and Prof. Yashvardhan Sharma at the Department of Computer Science, BITS-Pilani, Pilani campus, Rajasthan. The position is time-bound for a temporary period purely on a contractual basis. Details are as follows:

Project Title:	Big Data Management and Privacy Preservation for Wearable Biosensor Data in Healthcare Monitoring Using Feature Vector Store And Federated Deep Learning
Position:	Junior Research Fellow (JRF)/Project Associate
Number of Vacancy:	1 Nos.
Principal Investigator:	Dr. Kamlesh Tiwari, Assistant Professor, Department of CSIS, BITS Pilani, Pilani
Project Tenure:	3 Years
Job Description:	Perform a systematic literature review on healthcare monitoring using wearable sensors data involving deep learning techniques. Design an efficient feature vector store system for wearable biosensor data. Develop deep learning models for identified health issues based on personal health wearable biosensors data. Develop privacy-preserving model training techniques on personal healthcare wearable biosensor data using federated machine learning.
Essential Qualification:	B.Tech. or M.Tech./M.Sc., from a reputed university/college, in Computer Science, Information Technology, Software Systems, Artificial Intelligence, Machine Learning, Bioinformatics, Biotechnology, Data Science, or in any allied areas (Mathematics/Statistics, Electrical/Electronics, Communications, etc. Candidates without a Master's degree shall be considered for a research staff position as per DST norms. Desirable: Experience in computational model development, biosensors, feature store for ML.
Fellowship:	Rs. 31,000/- per month for 2 years and Rs. 35,000/- per month in 3rd year. (no HRA)
Registration for Ph.D.:	The selected candidate is expected to register for Ph.D. with BITS Pilani subject to the recommendation of the Department Research Committee (DRC) and the fulfillment of institute requirements.

How to Apply:

Fill out the form <https://forms.gle/v2RHYtp2b3uVJPTs8>

In case of any difficulty, applications along with an updated CV could also be sent through the mail to kamlesh.tiwari@pilani.bits-pilani.ac.in. Shortlisted candidates will be informed about the interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirement of the project. All candidates should make their own arrangements for their stay at Pilani if required. No TA/DA will be paid for attending the interview.

Application Deadline: April 15, 2022

Contact Email: kamlesh.tiwari@pilani.bits-pilani.ac.in (must include "mmi-jrf-application22" in the Email title)

