Birla Institute of Technology & Science, Pilani
Pilani Campus
Sponsored Research and Consultancy Division (SRCD)

CALL FOR RESEARCH STAFF POSITIONS (JRFs) IN <u>MINISTRY OF TRIBAL AFFAIRS</u> funded PROJECT

Date: 20th April 2022

About: Applications are invited from young, energetic, and research-inclined students for the post of Junior Research Fellow (JRF) in a time bound research project for a temporary period purely on contractual basis as per the following details:	
Position:	**Junior Research Fellow (JRF)**
Number of Vacancy:	**FOUR (04)**
Project Title:	**AI Intervened Tribal Development by improving Water Conservation, Livelihood, and Health**
Principal Investigators:	**Prof. Sudhirkumar Barai & Prof. Navneet Goyal**
Project Tenure:	**03 years**
Job Description:	JRFs will be required to carry out work as per the details of four sub-projects provided in the table below. One (01) JRF is required for each project. JRFs will mainly work on AI/ML, Computer Vision, NLP, Earth Observation, etc. Some projects may also involve a limited amount of field work.

S.No.	Project	Collaborators	Skill set
1.	Developing a "Soft-Test Kit" for SCD using AI	AIIMS - Jodhpur & NIRTH - Jabalpur	AI/ML, Deep Learning
2.	A drone-based spring monitoring system for water conservation	UNDP & state TRIs	Computer Vision, GIS, Earth Observation
3.	Developing AI-based language translation systems for low-resource tribal languages	State TRIs & Bhasha Sangam Initiative	NLP, Deep Learning
4.	a. Automatically generating language independent promotional content for welfare schemes b. Data-driven process analytics to improve reach, response, & effectiveness of social security schemes	Ministry of Tribal Affairs (MoTA)	Multimodal Learning, NLP, Deep Learning

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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, Data Science or in any allied areas (Mathematics/Statistics, Electrical/Electronics, Communications etc.) Desirable: UGC NET or GATE
Fellowship:	INR 35,000 per month (for all 3 years of the project). No HRA will be paid
Registration for PhD.:	If found suitable, Department Research Committee (DRC) may recommend selected candidates for admission to full-time PhD program at BITS, Pilani (Pilani Campus)

How to Apply:
You can express your interest for the project @ https://forms.gle/d94DCQJaSKquVDuNA

Shortlisted candidates will be called for an 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 requirements of the project. All candidates should make their own arrangements for their stay at Pilani. No TA/DA will be paid for attending the interview.

Application Deadline: 08th May 2022

Contact Person:
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