



Indian Institute of Technology (Indian School of Mines), Dhanbad
The Office of Dean, Research & Development

Sanction No and Date: CRG/2023/002397, 18/03/2024	IIT (ISM) Project No. : SERB(CRG)(424)/2023-2024/1093/MECH	Date: 10.04.2024
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SRF position under (DST (SERB)) Project

Applications are invited under the sponsored project. The details of the project are as under:

Position	Senior Research Fellow (SRF)
Number of Position (s)	01
Title of the Project	Development of a wind turbine condition monitoring system using signal processing and machine learning techniques
Principal Investigator	Dr. Sachin Kumar Singh Associate Professor Department of Mechanical Engineering Indian Institute of Technology (ISM) Dhanbad Dhanbad-826004 (Jharkhand) E-mail: sachinks@iitism.ac.in Phone no.: (0326) 2235184 (Office)
Tenure of Project	The position is purely temporary and co-terminus with the project, which is sanctioned for a period of three years (up to March 2027) .
Job Description	The candidate has to conduct numerical and experimental investigations on the condition monitoring of wind turbines. He/She has to develop the experimental setup of the wind turbine, conduct experiments on the experimental setup, and develop machine learning and signal processing-based algorithms and coding for the wind condition monitoring.
Essential Qualification	The applicant should have a consistently good academic record throughout. The applicant should have a minimum M.E./M.Tech degree in Mechanical (Design/Thermal/Tribology) / Applied Mechanics/ Computer Science / Mathematics and Computing/ Electronics / Electrical Engg with minimum first class or equivalent grade from a reputed institute (minimum of 60% marks/CGPA of 6.0 (on a 10-point scale)). The applicant should be GATE-qualified and have two years of experience as a JRF.
Desirable Qualification	Knowledge of Mechanical Vibration, Digital Signal Processing, and Machine Learning are required. Knowledge of coding languages, such as Matlab and Python, 3D drawing software SOLIDWORKS and analysis software ANSYS FLUENT, is required.
Age and Relaxation	32 years Age Relaxation: As per GoI Norms
Fellowship	DST Norms: Rs. 42,000.00 + HRA
Last Date & Time for submission of application	21/04/2024 (Sunday), 12:00 AM (midnight) Please submit document through the link : https://forms.gle/9jAizccX79ih98Ab9
Shortlisted candidates will be informed about the interview date (Physical). 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 project requirement. All candidates should make their own arrangements for their stay at Dhanbad if required. No TA/DA will be paid to attend the interview.	

Sachin Singh

(Signature of PI)