



Indian Institute of Technology (ISM), Dhanbad, India

The Office of Dean, Research & Development

Dhanbad, India - 826004

Advertisement for the Post of Junior Research Fellow

Sponsored by Science and Engineering Research Board (SERB), DST, Government of India

Sanction No. CRG/2021/001176	IIT (ISM) Project No.: DST(SERB)(315)/2021-2022/863/ECE	Date: 20-07-2023
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Applications are invited for the position of **Junior Research Fellow (One post)** in Science and Engineering Research Board (SERB), DST, Government of India sponsored project. The details are given below:

Name of the Position	Junior Research Fellow (JRF)
Number of Position (s)	One (01)
Title of The Project	Design and Development of Artificial Intelligence Based Fiber Optic Respiration Rate Measurement System for Psychophysiological Health Monitoring
Principal Investigator	Dr. Amitesh Kumar (Associate Professor) Department of Electronics Engineering IIT(ISM) Dhanbad, 826004, India E-mail: amitesh@iitism.ac.in Phone no: (0326) 2235759 (Office), +91-9431166555 (Mobile)
Tenure of Project	The position is purely temporary and co-terminus with the project, which is sanctioned for a period of THREE YEARS
Job Description	Development of portable industrial grade fiber optic sensor-based respiration rate monitoring system.
Essential Qualification	(1) M.E./M.Tech. Degree in Electronics/ Electronics & Communication/Optical/Opto-Electronics/Communication Engineering OR M.Sc. Degree in Electronics/Physics with a minimum of first class on above from a reputed Institute. In case, the class is not specified in degree then minimum 60% marks or 7.0 OGPA will be considered as 1st class OR B. Tech. / B.E. in Electronics / Electronics & Communication with 70% marks. (2) Candidate should be qualified GATE/NET examination.
Desirable Qualification	Working knowledge of Design Photonic Sensors, FBG as sensor application, MATLAB. Working experience on Optical components and Embedded system, AI will be added as an advantage.
Age and Relaxation	<i>The upper age limit is 28 years (Age relaxation for SC/ST/OBC/PH/Female candidate as per GOI rules).</i>
Fellowship	Rs. 31,000 + HRA for the 1 st and 2 nd Year and Rs. 35,000 + HRA for 3 rd Year
Last Date and Time for Online submission of application	August 04, 2023 5.30 PM Online Application link: https://forms.gle/6KzxVpL8jHV7wVkGA

Note: Shortlisted candidates will be informed through email about the interview. **The interview will be conducted in online/offline mode** (It would be intimated). The date and time of interview would be sent to the shortlisted candidates by email. Mere possession of the minimum qualifications does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merits and as per the requirements of the project. No TA/DA will be paid to attend the interview.

Amitesh Kumar

Dr. Amitesh Kumar
(Principal Investigator)