

Indian Institute of Technology (ISM) Dhanbad

Office of the Dean (Research & Development)

Sanction No. and Date: DST/QTC/NQWQA/2026/01 (G) dated 04.08.2026	IIT (ISM) Project No. SRDP 1355 G	Date: 25 August 2026
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Project Staff (JRF/SRF and Postdoctoral Fellow) Positions under Sponsored R&D Project

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

Position	Junior Research Fellow (JRF) / Senior Research Fellow (SRF) and Postdoctoral Fellow (PDF)
Number of Position(s)	03 (02 JRF/SRF + 01 Postdoctoral Fellow)
Title of the Project	Qu-GEN: A Versatile Quantvolutional Neural Network Library for Enhanced Image Analysis on Quantum Computers
Principal Investigator	Prof. Partha Pratim Roy, Department of Computer Science & Engineering, IIT (ISM) Dhanbad
Tenure of Project	36 Months
Job Description	The candidate will contribute to the design, development, and evaluation of hybrid quantum-classical image analysis framework.
Essential Qualification	JRF: M.E./M.Tech or equivalent in CSE/IT/AI/ECE/EE/allied branches with a minimum of 60% marks or 6.0 CPI (on a 10 point scale) + GATE/NET examination qualification. OR B.E./B.Tech or equivalent in CSE/IT/AI/ECE/EE/allied branches with a minimum of 75% marks or 7.5 CPI (on a 10 point scale) + GATE/NET examination qualification. SRF : Qualification prescribed for JRF with two years of research experience. PDF: PhD in CSE/IT/AI/ECE/EE/allied branches with a minimum of 60% marks or 6.0 CPI (on a 10 point scale) + GATE/NET or equivalent examination qualification + 1 SCI Journal.
Desirable Qualification	JRF/SRF: Hands-on experience in deep learning, computer vision, image processing. Git/GitHub, and scientific research is desirable. PDF: Research experience in hybrid quantum-classical learning, or quantum image processing. Experience in computer vision, image analysis, and publications in reputed journals/conferences will be preferred.
Age and Relaxation (if any)	As per the applicable rules and guidelines of the funding agency, Government of India, and IIT (ISM) Dhanbad.
Fellowship (as applicable under the sanctioned project and funding-agency norms)	JRF: Rs. 37,000 per month + 20% HRA SRF: Rs. 42,000 per month + 20% HRA PDF: Rs. 77,000 per month + 20% HRA
Last Date & Time	15 September 2026
Application Procedure	JRF/SRF: https://forms.gle/uNjIGbiHi4TbUNm47 PDF: https://forms.gle/hVzs91G62QmRoQZL6

Shortlisted candidates will be informed about the date and mode of interview. Mere possession of the minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on merit, relevant experience, and the requirements of the project.



(Signature of PI)

Prof. Partha Pratim Roy

Principal Investigator

Department of Computer Science & Engineering
IIT (ISM) Dhanbad