



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

Advertisement for the post of RESEARCH ASSOCIATE-I
Sponsored by Science and Engineering Research Board (SERB), DST, Govt. of India

Sanction No and Date: CRG/2020/002463 Dated: 15.03.2021	IIT (ISM) Project No. DST(SERB)(285)/2020-2021/794/ECE	Date: 20.03.2021
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Applications are invited for the post of RESEARCH ASSOCIATE-I (One Post) under SERB sponsored project. Following are the details of the project:

Position	Research Associate (RA)-I
Number of Position (s)	01 (ONE)
Title of The Project	Accurate Correlation of Dot Size Distribution with the Spectral Response of As-grown and Interdiffused Stacked Quantum Dots embedded in p-i-n Solar Cells
Principal Investigator (PI)	Dr. Subindu Kumar Department of Electronics Engineering, IIT (ISM), Dhanbad, Dhanbad – 826004, Jharkhand, India. Email: subindu@iitism.ac.in Phone: (0326) 2235732 [O]
Tenure of Project	Maximum THREE YEARS and is co-terminus with the duration of the project.
Job Description	Development of a detailed model for the spectral response (SR) of stacked as-grown III-V quantum dot (QD) ensemble, embedded in the intrinsic region of p-i-n QD solar cells (QDSCs) by correlating it with the effects of interdiffusion and dot size distribution.
Essential Qualification	Ph.D/MS or equivalent degree OR having 3 years of research, teaching and design and development experience after M.E/M.Tech with at least one research paper in Science Citation Indexed (SCI) journal. Specialization for the above mentioned degrees should be in the field of Semiconductor Devices/Photonics /Optoelectronic Devices or in allied fields.
Desirable Qualification	Exposure in modeling and simulation of nano-scaled devices/solar photovoltaics, MATLAB, APSYS/TCAD Tools.
Age and Relaxation (if any)	The upper age limit of the candidate should be below 35 years as on the last date of application. Age relaxation will be given to the candidates as per Govt. of India rules.
Fellowship	Rs. 47,000/- + HRA
Last Date & Time	7 May, 2021 by 5:30 PM IST Link for online application: https://docs.google.com/forms/d/1Em17IT1ytY-iPAa5p8wR2TWp4lQK-lbJCdu8Ep9aQFM

Note: Shortlisted candidates will be duly informed about the date of interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be short listed based on their merit and as per the requirement of the project. All candidates should make their own arrangements for their stay at Dhanbad, if required. No TA/DA will be paid to attend the interview.

Dr. Subindu Kumar
(Principal Investigator)