

**sition:** Data Entry Operator Grade-A  
**PI:** Arista Lahiri  
**Department:** Dr B C Roy Multi Speciality Medical Research Centre  
**Ref No.:** IIT/SRIC/R/BAM/2023/104  
**Ref Date:** 08-01-2024

**Project Title:** Community-based Intervention to address Antibiotic Resistance: An embedded mixed-methods interventional study(BAM)  
**Sponsor:** INDIAN COUNCIL OF MEDICAL RESEARCH (ICMR)(V.RAMALINGASWAMI BHAWAN,ANSARI NAGAR, POST BOX - 4911,NEW DELHI - 110 029)  
**Consolidated Compensation:** Upto Rs.17000(dependent upon qualification & experience)  
**Qualifications:** Intermediate or 12th Pass from recognized board.  
**Relevant Experience:** 1. A speed of not less than 15000 key depressions per hour, as per speed test on Computer 2. Work experience of data entry in Public Health Projects.  
**Application Fees:** Rs.100/=(Not for female candidates)  
**Age Limit:** 25

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**Tenure:** 4 Months or the termination of the project, whichever is earlier.

**Project Title:** Integrating Verification and Coverage Management Framework with XLS Tool-suite(IXS)  
**Sponsor:** Google Asia Pacific Pte Ltd.(70 Pasir Panjang Road )  
**Consolidated Compensation:** Upto Rs.29200(dependent upon qualification & experience)

**Position:** Junior Research Assistant - Research  
**PI:** Aritra Hazra  
**Department:** Computer Science and Engineering  
**Ref No.:** IIT/SRIC/R/IXS/2023/101  
**Ref Date:** 08-01-2024

**Qualifications:** B.Tech. / B.E. (or equivalent degrees) in Computer-Science / Information-Technology / Electronics-and-Communication / Electrical Engineering or MCA with at least 7.5 CGPA or 70% Marks in both the qualifying exams with 2 years experience in relevant field.  
**Relevant Experience:** Coding Expertise in C / C++ / Python and Verilog. Knowledge of Digital Circuit Designs. Knowledge of High-level Synthesis (CAD for VLSI) and Design Verification will be preferred.  
**Application Fees:** Rs.100/=(Not for female candidates)  
**Age Limit:** 30

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**Tenure:** 12 Months or the termination of the project, whichever is earlier.

**Position:** Junior Research Fellowship  
**PI:** Ayan Roy Chaudhuri  
**Department:** Materials Science Centre  
**Ref No.:** IIT/SRIC/R/KTO/2023/104  
**Ref Date:** 08-01-2024

**Project Title:** High-k Dielectric Substrate Engineering of Two Dimensional Semiconducting TMDCs for Advanced (opto) Electronic Applications(KTO)  
**Sponsor:** Science and Engineering Research Board (SERB) (3rd and 4th Floor, Block II, Technology Bhavan, New Mehrauli Road, New Delhi 110016)

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**Consolidated Compensation:** Upto Rs.31000(dependent upon qualification & experience)  
**Qualifications:** M.Sc.in Basic Science OR B.Tech / M.Tech Degree selected through a process described through any one of the following : (a) Scholars who are selected through National Eligibility Tests - CSIR-UGC NET including lectureship (Assistant Professorship) and valid GATE Score. (b) The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.  
**Relevant Experience:** Research experience : 2D materials,

growth, optical and transport properties At least one publication in peer reviewed journal of international repute

**Application Fees:** NIL

**Age Limit:** Upper age limit is 28 years. Relaxable upto 5 years in the case of SC/ST/OBC/Physically Handicapped / Visually Handicapped and female applicant.

**Tenure:** 12 Months or the termination of the project, whichever is earlier.

**Project Title:** Non-Enzymatic Microfluidic Electrochemical Multiplex Sensor for Cost-Effective Soil Testing(NMM)

**Sponsor:** Indo-German Science & Technology Centre(Plot No. 102, Institutional Area, Sector - 44, Gurgaon - 122 003, Haryana (India))

**Consolidated Compensation:** Upto Rs.42000(depending upon qualification & experience)

**Position:** Senior Project Associate - Research

**PI:** Gorachand Dutta

**Department:** School of Medical Science and Technology

**Ref**

**No.:** IIT/SRIC/R/NMM/2023/106

**Ref Date:** 08-01-2024

**Qualifications:** (i) M.Sc. from recognized University. (ii)

Four Years experience in Research and Development in

Industrial and Institutions or Science and Technology

Organisations and Scientific Activities and services.

**Relevant Experience:** The specific responsibilities for this

appointment include the fabrication of Non-enzymatic

Microfluidic Electrochemical Multiplex Sensor for Cost-

Effective Soil Testing. The portable device will comprise a

microfluidic platform integrated with printed electrodes based

on analyte-sensitive ink formulations and will facilitate the

regular screening to monitor the quality of soil samples.

**Application Fees:** Rs.100/=(Not for female candidates)

**Age Limit:** 40

**Tenure:** 12 Months or the termination of the project, whichever is earlier.

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**Position:** Research Consultant - Research

**PI:** Mrinal Kumar Acharya

**Department:** Electrical Engineering

**Ref**

**No.:** IIT/SRIC/R/SBE/2023/102

**Ref Date:** 09-01-2024

**Project Title:** Simulating Multimodal MRI Brain Equivalents from CT Brain for Emergency Neuroimaging(SBE)

**Sponsor:** IIT KHARAGPUR AI4ICPS I HUB

FOUNDATION(IIT KHARAGPUR CAMPUS, DIST. PASCHIM MEDINIPUR, KHARAGPUR, Paschim Medinipur, West Bengal, 721302)

**Consolidated Compensation:** Upto Rs.80000(depending upon qualification & experience)

**Qualifications:** PhD in Electrical, Electronics, Computer Science with thesis in the area of medical image analysis, deep learning, computer vision. Candidates who have submitted thesis and are awaiting award of Degree may also apply but should submit the Ph.D. award certificate at the time of joining.

**Relevant Experience:** Should have published research in leading Journals like Medical Image Analysis, IEEE Trans. Medical Imaging, IEEE Trans. Image Processing, SPIE Journal of Medical Imaging, Computerized Medical Imaging and Graphics, etc, as well as in leading conferences like MICCAI, ISBI, NeurIPS, CVPR, MIDL, ICVGIP. Candidate is expected to have depth of imaging physics of CT, MRI and demonstrable experience in Deep Learning with Pytorch, CUDA, cuDNN, etc.

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**Application Fees:** Rs.100/=(Not for female candidates)

**Age Limit:** 40

**Tenure:** 18 Months or the termination of the project, whichever is earlier.

**Project Title:** Simulating Multimodal MRI Brain Equivalents from CT Brain for Emergency Neuroimaging(SBE)

**Sponsor:** IIT KHARAGPUR AI4ICPS I HUB

FOUNDATION(IIT KHARAGPUR CAMPUS, DIST. PASCHIM MEDINIPUR, KHARAGPUR, Paschim Medinipur, West Bengal, 721302)

**Consolidated Compensation:** Upto Rs.40000(dependent upon qualification & experience)

**Qualifications:** B.Tech/B.E. in Electrical, Electronics, Computer Science, Instrumentation.

**Relevant Experience:** Should have undertaken project work in medical image analysis, medical imaging, computer vision, deep learning. Expected to have published in leading

National/International conference venues viz. ICVGIP,

NCVPRIPG, CVPR, NeurIPS, MICCAI, ISBI, etc. Experience with Deep Learning, Pytorch, CUDA, cuDNN is expected.

Project requires working knowledge and proficiency in digital signal processing, medical imaging physics viz. CT, MRI.

**Application Fees:** Rs.100/=(Not for female candidates)

**Age Limit:** 30

**Tenure:** 18 Months or the termination of the project, whichever is earlier.

**Position:** Project Engineer - Research

**PI:** Mrinal Kumar Acharya

**Department:** Electrical Engineering

**Ref**

**No.:** IIT/SRIC/R/SBE/2023/101

**Ref Date:** 09-01-2024

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