

**Position:** Junior Research Fellowship  
**PI:** Subhamoy Mandal  
**Department:** School of Medical Science and Technology  
**Ref No.:** IIT/SRIC/R/AAO/2023/101  
**Ref Date:** 11-01-2024

**Project Title:** Artificial Intelligence augmented oocyte retrieval for improved outcome of Assisted Reproductive Technologies (AI4ART)(AAO)  
**Sponsor:** IIT KHARAGPUR AI4ICPS I HUB FOUNDATION(IIT KHARAGPUR CAMPUS, DIST. PASCHIM MEDINIPUR, KHARAGPUR, Paschim Medinipur, West Bengal, 721302)

**Consolidated Compensation:** Upto Rs.37000(depending upon qualification & experience)

**Qualifications:** Graduate (BE/BTech) with valid GATE/NET score or Post Graduate (ME/MTech) degree in Biomedical/Electronics/Electrical/Computer Sc./ Mathematics and Computing, or equivalent.

**Relevant Experience:** 2 Years Research/ Industry experience for BE/B.Tech candidates.

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

**Project Title:** Exploring Human and Machine Cognition: Building a Learning Analytics Portal of AI Assisted Problem Solving Models for Visuo-Spatial Tasks (1817\_ZBSA)(BFR)

**Sponsor:** Department of Science and Technology (DST)(Government of India, Ministry of Science and Technology, Department of Science and Technology, Technology Bhavan, New Mehrauli Road, New Delhi-110 016)

**Consolidated Compensation:** Upto Rs.37000(depending upon qualification & experience)

**Qualifications:** B.Tech with CSE with atleast 70% marks or 7.5 CGPA in both qualifying degrees with a valid GATE/NET score OR M.Tech.

**Relevant Experience:** Worked with oculometrics

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

**Project Title:** Indian Nanoelectronics Users Program- Idea to Innovation (INUP I2I)(I2I\_4197\_TSA)

**Sponsor:** Ministry of Electronics and Information Technology(R and D in Electronics Group, Nanotechnology Initiatives Division, Government of India Electronics Niketan, 6, CGO Complex, Lodhi Road, New Delhi - 110003)

**Consolidated Compensation:** Upto

Rs.48000(depending upon qualification & experience)

**Qualifications:** (1) PhD/ thesis submitted - in Physics/

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**Position:** Junior Research Fellowship  
**PI:** Rajlakshmi Guha  
**Department:** Rekhi Centre of Excellence for the Science of Happiness  
**Ref No.:** IIT/SRIC/R/BFR/2023/103  
**Ref Date:** 11-01-2024

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**Position:** Senior Project Assistant  
**PI:** Prasanta Kumar Guha  
**Department:** Nano Science and Technology  
**Ref No.:** IIT/SRIC/R/I2I\_4197\_TSA/2023/104  
**Ref Date:** 11-01-2024

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Nanoscience/Electronics. (2) Research work in nanomaterial synthesis and characterization.  
**Relevant Experience:** The candidate should have the experience in following tools (1) Screen Printer (2) Raman Spectroscopy (3) Fluorescence Microscopy  
**Application Fees:** Rs.100/=(Not for female candidates)

**Age Limit:** 35

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

**Project Title:** Concept of temporal networks in hydroclimatic modelling in a changing climate: Application to streamflow and drought(LHA)

**Sponsor:** Ministry of Earth Sciences(Government of India, Prithvi Bhavan, Lodhi Road, New Delhi- 110 003)

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

**Qualifications:** PhD completed / Thesis submitted recently or Candidates very near to thesis submission can also apply but should submit the Ph.D. Award Certificate at the time of joining. The research area of the candidate should include climate change impact studies and modelling and should have proven track record showing quality publications and MTech/ME in Water Resources Engineering or equivalent discipline and BTech/BE in Civil Engineering with First class/division throughout.

**Relevant Experience:** Experience on MATLAB / R / python programming is desirable

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

**Age Limit:** 35

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

**Project Title:** Mixed signal ASIC for NavIC receiver(MAN)

**Sponsor:** SAC, AHMEDABAD(AHMEDABAD)

**Consolidated Compensation:** Upto

Rs.31000(dependent upon qualification & experience)

**Qualifications:** 1). B.Tech. (or equivalent) with valid GATE / NET score, OR M.Tech. (or equivalent) in Electrical / Electronics Engineering. 2). All through 60% (or CGPA 6.5) and above from Matriculation onward.

**Relevant Experience:** Prior experience in Analog Integrated Circuit Design / Radio Frequency Integrated Circuit Design will get due preference.

**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.

**Position:** Senior Project Associate

**PI:** Rajib Maity

**Department:** Civil Engineering

**Ref No.:** IIT/SRIC/R/LHA/2023/101

**Ref Date:** 11-01-2024

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**Position:** Junior Research Fellowship - Research

**PI:** Indrajit Chakrabarti

**Department:** Advanced Vlsi Lab

**Ref No.:** IIT/SRIC/R/MAN/2024/102

**Ref Date:** 11-01-2024

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**Tenure:** 24 Months or the termination of the project, whichever is earlier.

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**Position:** Project Technical Assistant - Technical

**PI:** Aurobinda Routray

**Department:** Electrical Engineering

**Ref**

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

**Ref Date:** 12-01-2024

**Project Title:** AI Based diagnostics and prognostics of electric motor & drives in process and EV industry(ABE)

**Sponsor:** IIT KHARAGPUR AI4ICPS I HUB

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

**Consolidated Compensation:** Upto Rs.35000(dependent upon qualification & experience)

**Qualifications:** First Class Bachelor Degree in Maths/Physics/Computer Science/ENgg with adequate experience in hardware and software maintenance of desktop (window/ Mac) and Android/iOS platforms

**Relevant Experience:** Prior experience in tech support, desktop support, or a similar role. Hands-on experience with computer networks, network administration and network installation

Proficiency in Windows/Linux/Mac OS. Advanced knowledge of Windows Server Expertise in managing server virtualization technologies, such as VMWare Server/ESX or Microsoft HyperV/Virtual Server Familiarity with web development. Experience in creating presentations and project reports. Proficient in managing GEM Portal.

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

**Age Limit:** 35

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

**Project Title:** AI Based diagnostics and prognostics of electric motor & drives in process and EV industry(ABE)

**Sponsor:** IIT KHARAGPUR AI4ICPS I HUB

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

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

**Qualifications:** M.Tech in Electrical Engg. OR B.Tech / BE in Electrical Engg. with valid GATE/NET Score with the knowledge in Electrical Machines with 2 Years of Research Experience.

**Relevant Experience:** With adequate experience in Fault Diagnosis, Modelling and Simulation of Electrical machines

**Application Fees:** NIL

**Age Limit:** Upper age limit is 32 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.

**Position:** Senior Research Fellowship

**PI:** Aurobinda Routray

**Department:** Electrical Engineering

**Ref**

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

**Ref Date:** 12-01-2024

**Position:** Senior Research Fellowship - Research

**PI:** P Srinivasa Rao

**Department:** Agricultural and Food Engineering

**Project Title:** Development of jute bags for protection and quality preservation of stored seeds(QPS)

**Sponsor:** Ministry of Textile, GoI(Udyog Bhawan, New Delhi)

**Consolidated Compensation:** Upto Rs.35000(dependent upon qualification & experience)

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**Ref**  
**No.:** IIT/SRIC/R/QPS/2023/101  
**Ref Date:** 12-01-2024

**Qualifications:** M. Tech in Agricultural Engineering/Post Harvest/ Food Process Engineering/Food Technology or equivalent disciplines At least 60% in the qualifying degree is essential.

**Relevant Experience:** With at least one Year research experience preferably in grain storage/ analysis or evidence of at least one research paper in Science Citation Indexed (SCI) journal.

**Application Fees:** NIL

**Age Limit:** Upper age limit is 32 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:** Theoretical and experimental study on advancing real-time multi-effect distillation for desalination: solar-thermal power driven energy management, optimization, AI based soft sensing and nonlinear control(OAT)

**Sponsor:** Department of Science and Technology (DST) (Government of India, Ministry of Science and Technology, Department of Science and Technology, Technology Bhavan, New Mehrauli Road, New Delhi-110 016)

**Consolidated Compensation:** Upto Rs.35000(dependent upon qualification & experience)

**Qualifications:** Graduate (BE/BTech) with valid GATE/NET score with 2 Years Research experience in chemical/mechanical engineering OR Post graduate (ME/MTech) degree in chemical/mechanical engineering

**Relevant Experience:** - Computer coding - Modeling and simulation

**Application Fees:** NIL

**Age Limit:** Upper Age Limit is 32 Years. Relaxable upto 5 Years in the case of SC/ST/OBC/ Physically Handicapped/Visually Handicapped and female applicants

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

**Position:** Senior Research Fellowship - Research

**PI:** Amiya Kumar Jana

**Department:** Chemical Engineering

**Ref**

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

**Ref Date:** 05-10-2023

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