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<p>Position: Junior Research Fellowship - Research PI: Prasana Kumar Sahoo Department: Materials Science Centre Ref No.: IIT/SRIC/R/DQD/2024/102 Ref Date: 11-06-2024</p>	<p>Project Title: Controlled Growth of Band-Engineered Two-Dimensional Heterostructures and 2D Quantum devices(DQD) Sponsor: NA(NA),I-HUB QUANTUM TECHNOLOGY FOUNDATION(Main Academic Building, IISER Campus, Dr. Homi Bhabha Road, Pashan Pune 411008, India) Consolidated Compensation: Upto Rs.37000(depending upon qualification & experience) Qualifications: M.Sc. in Physics with specialization in Solid state physics, Optics / B. Tech in Engineering / MS / M.Tech in Electronics selected through a process described any one of the following: a. Scholars who are selected through National Eligibility Tests - CSIR-UGC, NET, Including lectureship (Assistant Professorship) and GATE. 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, MoE, ICAR, ICMR. IIT, IISc. IISER, NISER etc. Relevant Experience: For the CHANAKYA DOCTORAL FELLOWSHIP from I-HUB Quantum Technology Foundation; a very good knowledge in Solid state physics, Semiconductor devices, or Optics are desirable. In addition, experience with electronic circuit design,, Mathematical simulation, or device modeling is a plus. Selected candidate shall be allowed to register for the Ph.D. subject to their fulfillment of the requirement for Ph.D. admission in IIT Kharagpur. The candidate is expected to work in the emerging field of 2D Quantum Materials and Devices jointly at the Materials Science Centre (Prof. Prasana Kumar Sahoo, PI- Quantum Materials and Device Research Lab) and the Department of Physics (Prof. Sajal Dhara, PI- Nanoscale Optoelectronics Lab). For further information related to this project, feel free to write to prasana@matsc.iitkgp.ac.in and sajaladhara@phy.iitkgp.ac.in. Application Fees: NIL Age Limit: Age Limit : Upper age limit is 28 year. 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 Months or the termination of the project, whichever is earlier.</p>	<p>02-107-2024 Apply Now</p>
<p>Position: Senior Research Fellowship PI: Amiya Kumar Jana Department: Chemical Engineering Ref No.: IIT/SRIC/R/TFD/2024/102 Ref Date: 11-06-2024</p>	<p>Project Title: Techno-Economic Feasibility of Hydrate based Desalination using LNG Cold Energy through Thermal Integration Route(TFD) Sponsor: Council of Scientific and Industrial Research(Human Resources Development Group (HRDG), Extramural Research Division (EMR-II), CSIR Complex, Pusa, New Delhi - 110 012) Consolidated Compensation: Upto Rs.42000(depending upon qualification & experience) Qualifications: Graduate (BE/BTech) with valid GATE score OR post graduate (ME/MTech) degree in</p>	<p>1 02-07-2024 Apply Now</p>

chemical/mechanical/energy engineering

Relevant Experience: 1. Modeling and simulation 2.

Computer coding

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

Project Title: Understanding the heterogeneous vapour condensation and diffusion of gas mixtures in semiconductor equipment using molecular level simulation(UMS)

Sponsor: LAM Research Corporation(4650 Cushing Parkway Main: 1-510-572-0200, USA)

Consolidated Compensation: Upto Rs.58000(depending upon qualification & experience)

Qualifications: PhD degree in engineering

Relevant Experience: At least three (03) research publications in SCI journal. Has experience in the area of molecular simulations.

Application Fees: NIL

Age Limit: Upper age limit is 35 years. Relaxable upto 5 years in the case of SC/ST/OBC/Physically Handicapped / Visually Handicapped and female applicant.

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

Project Title: A Yoga-Vedanta Theoretical Framework of Consciousness and Cognition Phenomenological Accounts of Sadhaks from Different Indic Schools of Thought(VCS)

Sponsor: Indian Knowledge Systems Division, Ministry of Education, Govt. of India(AICTE Headquarters, Nelson Mandela Marg, Vasant Kunj, New Delhi, PIN 110070)

Consolidated Compensation: Upto Rs.30000(depending upon qualification & experience)

Qualifications: UG Degree in Philosophy (inc. Indian Philosophy) with a minimum of 70% aggregate score/equivalent from a reputed University

Relevant Experience: Orientation and Hands on experience in Indian Spirituality (esp. Yoga-Vedanta) encompassing in-depth understanding of Ashramas, Sadhaks from various sampradayas; ability to relate theory to practice; observational, documentation and analytical skills to explore and analyse phenomenological data.

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

Age Limit: 55

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

Position: Research Associate - Research

PI: Sourav Mondal

Department: Energy Science and Engineering

Ref

No.: IIT/SRIC/R/UMS/2024/101

Ref Date: 11-06-2024

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Position: Job Assistant - Research

PI: Richa Chopra

Department: Centre of Excellence for Indian Knowledge Systems

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