

Position: Project Scientist - II
PI: Suman Chakraborty
Department: Mechanical Engineering
Ref No.: IIT/SRIC/R/FDE/2024/101
Ref Date: 30-01-2024

Project Title: Development and Field-Adaptation of a Platform-Technology Device for Infections Disease Detection at Extreme Point of Care Settings(FDE)

Sponsor: IITKGP Foundation (USA)(PO Box 27183, Omaha, NE 68127)

Consolidated Compensation: Upto Rs.67000(depending upon qualification & experience)

Qualifications: Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent and Three years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services

Relevant Experience: Minimum Experience of portable device development with high impact publication in the similar field. Electronics: Basic electronics concepts and algorithms. Statistical methods: Ability to interpret data, perform statistical tests, and draw conclusions from the analysis. Scientific writing: Strong communication skills and the ability to write clear and concise scientific reports

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

Age Limit: 40

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

Project Title: Electrically Modulated Dynamics of Soft-Particle Laden Complex Fluids in Deformable Microfluidic Capillaries(PFD)

Sponsor: Indo-French Centre for the promotion of Avanced Research (CEFIPRA)(5B, Ground Floor, India Habitat Centra, Lodhi Road, New Delhi - 110 003)

Consolidated Compensation: Upto Rs.31000(depending upon qualification & experience)

Qualifications: BE or equivalent degree from a well recognised university with valid GATE score.

Relevant Experience: Minimum Experience of coding for any developments in CFD analysis. Working experience as JRF for at least two years, experience in coding skills for numerical analysis in CFD based biological flows. Mathematical skills: Basic knowledge of ode and pde and knowledge of techniques to solve them. Skills in medical field: Ability to understand and interpret biological flows with simple numerical analysis. Statistical Methods: Ability to interpret and manage the processed data from numerical analysis

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.

Position: Junior Research Fellowship
PI: Suman Chakraborty
Department: Mechanical Engineering
Ref No.: IIT/SRIC/R/PFD/2024/102
Ref Date: 30-01-2024

Project Title: Site Characterization of Northeast India using Geographical, Geotechnical and D-INSAR

Position: Scientific Assistant - Adm & Accts

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PI: Sankar Kumar Nath
Department: Geology and Geophysics
Ref
No.: IIT/SRIC/R/EMM_ZBSA/2024/102
Ref Date: 01-02-2024

Techniques with a View to Earthquake Inflicted
Disaster Mitigation and Management (EMM_ZBSA)
(EMM_ZBSA)

2024

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

Consolidated Compensation: Upto Rs.18000(depending upon qualification & experience)

Qualifications: MSc in Marine Geophysics or Geophysics or Applied Geophysics with knowledge of Earthquake Data Analysis, Sophisticated Geophysical Equipment handling.

Relevant Experience: Minimum 03 years of working experience as Geophysical Field / Scientific Assistant.

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

Age Limit: Age Limit Upper age limit is 32 years. Relaxable upto 5 years in case of

SC/ST/OBC/Physically Handicapped/ Visually Handicapped and Female applicants

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

Project Title: Numerical analysis to identify the ocean surface back scattering generated due to the movement of submarines.(IOM)

Sponsor: Naval Physical and Oceanographic Laboratory(DRDO, Naval Physical and Oceanographic Laboratory, Thrikkakara P. O. Kochi - 682 021)

Consolidated Compensation: Upto

Rs.47000(depending upon qualification & experience)

Qualifications: PhD in Ocean Engg or related field

Relevant Experience: none

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

Project Title: Numerical analysis to identify the ocean surface back scattering generated due to the movement of submarines.(IOM)

Sponsor: Naval Physical and Oceanographic Laboratory(DRDO, Naval Physical and Oceanographic Laboratory, Thrikkakara P. O. Kochi - 682 021)

Consolidated Compensation: Upto Rs.24000(depending upon qualification & experience)

Qualifications: BTech

Relevant Experience: 2 years experience in handling lab work

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

Age Limit: 35

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

Position: Research Associate (Project) - Research

PI: Hari V Warrior

Department: Ocean Engg and Naval Architecture

Ref No.: IIT/SRIC/R/IOM/2024/105

Ref Date: 01-02-2024

Rs.47000(depending upon qualification & experience)

Qualifications: PhD in Ocean Engg or related field

Relevant Experience: none

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

Project Title: Numerical analysis to identify the ocean surface back scattering generated due to the movement of submarines.(IOM)

Sponsor: Naval Physical and Oceanographic Laboratory(DRDO, Naval Physical and Oceanographic Laboratory, Thrikkakara P. O. Kochi - 682 021)

Consolidated Compensation: Upto Rs.24000(depending upon qualification & experience)

Qualifications: BTech

Relevant Experience: 2 years experience in handling lab work

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

Age Limit: 35

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

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Position: Junior Project Assistant - Technical

PI: Hari V Warrior

Department: Ocean Engg and Naval Architecture

Ref No.: IIT/SRIC/R/IOM/2024/104

Ref Date: 01-02-2024

Consolidated Compensation: Upto Rs.24000(depending upon qualification & experience)

Qualifications: BTech

Relevant Experience: 2 years experience in handling lab work

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

Age Limit: 35

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

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