

Position: Research Associate - Development
PI: Suvra Sekhar Das
Department: G.S Sanyal School of Telecommunication
Ref No.: IIT/SRIC/R/5GB_2354_TSA/2023/101
Ref Date: 23-01-2024

Project Title: Next Generation Wireless Research and Standardization on 5G and Beyond(5GB_2354_TSA)
Sponsor: Ministry of Electronics and Information Technology(Government of India Electronics Niketan, 6, CGO Complex,Lodhi Road, New Delhi - 110003)
Consolidated Compensation: Upto Rs.85000(depending upon qualification & experience)
Qualifications: 1. M-Tech/ME/MS in ECE/EE/CS with 3years of experience with one SCI journal 2. PhD in ECE/EE/CS (candidates with synopsis delivered/thesis submitted can also apply but shall have the Ph.D. Degree Certificate at the time of joining for the post.
Relevant Experience: 1. Knowledge in MATLAB/C++/Python 2. Knowledge in DSP/Digital Communication/Wireless Communication/Networks 3. Knowledge in Embedded system development is also desirable
Application Fees: Rs.100/=(Not for female candidates)
Age Limit: 40
Tenure: 7 Months or the termination of the project, whichever is earlier.

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Position: Project Engineer - Development
PI: Suvra Sekhar Das
Department: G.S Sanyal School of Telecommunication
Ref No.: IIT/SRIC/R/5GB_2354_TSA/2023/102
Ref Date: 23-01-2024

Project Title: Next Generation Wireless Research and Standardization on 5G and Beyond(5GB_2354_TSA)
Sponsor: Ministry of Electronics and Information Technology(Government of India Electronics Niketan, 6, CGO Complex,Lodhi Road, New Delhi - 110003)
Consolidated Compensation: Upto Rs.40000(depending upon qualification & experience)
Qualifications: B-Tech (ECE/EE/CS) with minimum 60% marks throughout academic career.
Relevant Experience: 1. Experience in the domain of 4G/5G/Wifi/RAN /Optical Networks/Backhaul/Wireless Communications and Networks. 2. Digital Signal Processing , Digital communication, Wireless communication, Networking, Optical communication & Networking. 3. MATLAB, C/C++ 4. Knowledge in embedded system development, FPGA, PCB is also desired.
Application Fees: Rs.100/=(Not for female candidates)
Age Limit: 35
Tenure: 7 Months or the termination of the project, whichever is earlier.

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Position: Junior Research Fellowship - Research
PI: Manish Pandey
Department: Civil Engineering
Ref No.: IIT/SRIC/R/ATB/2024/101
Ref Date: 23-01-2024

Project Title: SCOUR AND FLOW PATTERN AROUND TWIN BRIDGE PIERS(ATB)
Sponsor: Science and Engineering Research Board (SERB)(3rd and 4th Floor, Block II, Technology Bhavan, New Mehrauli Road, New Delhi 110016)
Consolidated Compensation: Upto Rs.31000(depending upon qualification & experience)
Qualifications: B.Tech in Civil Engineering with valid GATE/NET Score and M.Tech in Hydraulics and/or Water Resources Engineering or related disciplines
Relevant Experience: GATE/NET qualified candidates

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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: Formation of Double Percolated Conductive Networks (DPCN) and Segregated Structure with Ultra-low Carbon Nanostructure Filler Content in Thermoplastic Elastomers Vulcanizates (TPVs) with Improved Electrical Conductivity and Enhanced Electromagnetic Interference (EMI) Shielding Effectiveness(CLT)
Sponsor: Science and Engineering Research Board (SERB)(3rd and 4th Floor, Block II, Technology Bhavan, New Mehrauli Road, New Delhi 110016)

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

Qualifications: (1) BE or B Tech Degree or PG Degree in Basic Sciences with 2 years of research experience. (2) ME or M Tech Degree in Rubber or Plastics or Materials Science or Chemistry or Applied Chemistry or Chemical Engineering. (3) GATE/NET is not mandatory for ME or M.Tech Candidates. . (4) Valid GATE/NET Score is mandatory for point No. 1 above

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Relevant Experience:

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

Project Title: Electrokinetic transport phenomena involving liquid droplets and hydrophobic surfaces: a numerical and theoretical analysis(ELD)

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Sponsor: Science and Engineering Research Board

Position: Senior Research Fellowship - Research
PI: Narayan Chandra Das
Department: Rubber Technology
Ref No.: IIT/SRIC/R/CLT/2024/105
Ref Date: 23-01-2024

Position: Senior Research Fellowship - Technical
PI: Somnath Bhattacharyya
Department: Mathematics

Ref No.: IIT/SRIC/R/ELD/2024/102
Ref Date: 23-01-2024

(SERB)(Department of Science and Technology, 5 and 5A, Lower Ground Floor, Vasant Square Mall, Plot No. A, Community Centre, Sector - B, Pocket-5 Vasant Kunj, New Delhi - 110 070), Science and Engineering Research Board (SERB)(3rd and 4th Floor, Block II, Technology Bhavan, New Mehrauli Road, New Delhi 110016)

Consolidated Compensation: Upto Rs.35000.00(depending upon qualification & experience)

Qualifications: MSc/ MTech with at least two years research experience with GATE qualified

Relevant Experience: One research papers in ISI indexed 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: Simultaneous deep oxidative desulfurization-denitrogenation of light petroleum fuel in a semi-continuous reaction-extraction system: Application of nanostructured titanium silicate zeolites(FRN)

Sponsor: Science and Engineering Research Board (SERB)(3rd and 4th Floor, Block II, Technology Bhavan, New Mehrauli Road, New Delhi 110016)

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

Qualifications: B.E/B.Tech in Chemical Engineering with minimum 70% marks or 7.5 CGPA with valid GATE/NET score and/or M.E/M.Tech in Chemical Engineering with 70% marks/7.5 CGPA. Minimum 70% marks is desirable for all preceding examinations but can be relaxed for candidate with satisfactory interview result.

Relevant Experience: Should be familiar with laboratory equipment and chemicals, terms and knowledge in chemical engineering and chemistry

Application Fees: NIL

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

Position: Junior Research Fellowship - Research

PI: Sonali Sengupta

Department: Chemical Engineering

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

Ref Date: 23-01-2024

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Position: Junior Research Fellowship - Research

Project Title: Numerical analysis to identify the ocean surface back scattering generated due to the movement

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PI: Hari V Warrior
Department: Ocean Engg and Naval Architecture
Ref No.: IIT/SRIC/R/IOM/2024/103
Ref Date: 23-01-2024

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.31000(depending upon qualification & experience)
Qualifications: MTech with GATE score
Relevant Experience: Knowledge in Fluid Mechanics and preferably Computational Fluid Dynamics
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.

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Position: Junior Research Fellowship
PI: Pavitra Sandilya
Department: Cryogenic Engineering
Ref No.: IIT/SRIC/R/LNG_CYC/2024/104
Ref Date: 23-01-2024

Project Title: Engineering Design Solutions for Onboard LNG Storage Vessels including Bunkering Ships(LNG_CYC)
Sponsor: Ministry of Shipping(Government of India, Sagarmala Cell, 1st Floor, PTI Building, Parliament Street, New Delhi)
Consolidated Compensation: Upto Rs.31000(depending upon qualification & experience)
Qualifications: ME / M. Tech. in Chemical / Mechanical / Civil / Cryogenic / Ocean & Naval/ Marine/ Ocean-river-land science, with minimum 8 CGPA or 75% marks, or, B.E./B. Tech. in Chemical / Mechanical / Civil / Ocean and Naval Architecture / Marine Engineering or equivalent with minimum 7.5 CGPA or 70% marks from Government of India-approved universities/institutes, with valid GATE/NET score
Relevant Experience: Background in CFD, coding with python/FORTRAN etc., handling commercial CFD packages, hands-on experience in developing experimental setups
Application Fees: NIL
Age Limit: 28 year. Relaxable upto 5 years in the case of SC/ST/OBC/Physically Handicapped/ Visually Handicapped and female applicant
Tenure: 3 Months or the termination of the project, whichever is earlier.

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Position: Junior Research Fellowship - Research
PI: Narayan Dhuleep Pradeep Singh
Department: Chemistry
Ref No.: IIT/SRIC/R/LTE/2024/102
Ref Date: 23-01-2024

Project Title: Light Induced Gasotrasmmitter Donors for Spatio-temporal Combinatorial Release of Gaseous Molecules for Bacterial Biofilm Eradication(LTE)
Sponsor: Science and Engineering Research Board (SERB)(3rd and 4th Floor, Block II, Technology Bhavan, New Mehrauli Road, New Delhi 110016)
Consolidated Compensation: Upto Rs.31000(depending upon qualification & experience)
Qualifications: M.Sc in Chemistry with valid GATE/NET Score
Relevant Experience:

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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: Earthquake induced Landslide Hazard Zoning and Newmark Displacement Modelling in Darjeeling-Sikkim Himalaya(NMD)

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

Consolidated Compensation: Upto

Rs.31000(depending upon qualification & experience)

Qualifications: MS or MSc in Geophysics or Applied Geophysics or Remote Sensing and GIS or Geospatial Sciences or Disaster Management with valid GATE/NET Score.

Relevant Experience: Minimum 04 years of working experience on landslide hazard mapping and slope stability studies

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: DEVELOPMENT OF A PAPER BASED IMPEDIMETRIC SENSOR FOR RAPID AND QUANTITATIVE ASSESSMENT OF pH, UREA AND CREATININE IN BLOOD(PUC)

Sponsor: INDIAN COUNCIL OF MEDICAL RESEARCH (ICMR)(V.RAMALINGASWAMI BHAWAN,ANSARI NAGAR, POST BOX - 4911,NEW DELHI - 110 029)

Consolidated Compensation: Upto

Rs.35000(depending upon qualification & experience)

Qualifications: M.E./M.Tech in Electronics and Instrumentation Engineering /Electronics and Communication Engineering/Biomedical Engineering/ Instrumentation & control Engg.

Relevant Experience: Research experience in biosensor development using flexible materials. Modeling and analysis of electronic structure using DFT in HPC 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.

Position: Junior Research Fellow (Professional) - Research

PI: Sankar Kumar Nath

Department: Geology and Geophysics

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

Ref Date: 23-01-2024

Position: Project Associate-II

PI: Soumen Das

Department: School of Medical Science and Technology

Ref No.: IIT/SRIC/R/PUC/2023/102

Ref Date: 23-01-2024

Position: Junior Research Fellowship - Research

PI: Amit Shaw

Project Title: Development of Ramie Fibre-based Cost Effective Protective Shield Against Impact and Blast(RPI)

Sponsor: Science and Engineering Research Board (SERB)

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Department: Civil Engineering (3rd and 4th Floor, Block II, Technology Bhavan, New Mehrauli Road, New Delhi 110016)
Ref No.: IIT/SRIC/R/RPI/2024/105
Ref Date: 23-01-2024
Consolidated Compensation: Upto Rs.31000(depending upon qualification & experience)
Qualifications: (M.Tech / ME) in Structural Engineering.
Relevant Experience: Experience in working with fibre reinforced composite (fibre preperation, characterization etc.)
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: Aero-Thermo-Elastic Analysis of Hypersonic Vehicle(THV)
Sponsor: Aeronautics R and D Board(Government of India, Ministry of Defence, DRDO Bhawan, Rajaji Marg, New Delhi - 110 011)

Position: Senior Research Fellowship - Research
PI: Mohammed Rabius Sunny
Department: Aerospace Engineering
Ref No.: IIT/SRIC/R/THV/2024/109
Ref Date: 23-01-2024

Consolidated Compensation: Upto Rs.35000(depending upon qualification & experience)
Qualifications: B.Tech./B.E. in Mechanical Engg. / Aerospace Engg/Civil Engg. or relevant field with valid GATE/NET score and 2 years of research experience OR M.Tech./M.E. in Mechanical Engg. / Aerospace Engg/ Civil Engg. or relevant field and 2 years of research experience.
Relevant Experience: Should be good in programming and have knowledge of finite element method.
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. Months or the termination of the project, whichever is earlier.

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Position: Research Associate
PI: Arnab Atta
Department: Chemical Engineering
Ref No.: IIT/SRIC/R/WDM/2024/102
Ref Date: 23-01-2024

Project Title: Influence of engineered wall texture on the droplet dynamics in microchannels(WDM)
Sponsor: Science and Engineering Research Board (SERB) (3rd and 4th Floor, Block II, Technology Bhavan, New Mehrauli Road, New Delhi 110016)
Consolidated Compensation: Upto Rs.47,000 PER MONTH + HRA AS PER INSTITUTE NORMS(depending upon qualification & experience)
Qualifications: Ph.D./MD/MS/MDS or equivalent degree or having 3 years of research, teaching and design and development experience after ME/M.Tech with at least one research paper in Science Citation Indexed (SCI) journal.
Relevant Experience: The candidate MUST have prior research experience in experimental Microfluidics. Excellent analytical skill with reasonably good proficiency in modeling is necessary. Additionally, the candidate must possess excellent writing and communication skills.
Application Fees: NIL
Age Limit: Upper age limit is 35 years. Relaxable upto 5 years in the case of SC/ST/OBC/Physically Handicapped /

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Visually Handicapped and female applicant.

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

Project Title: A novel web-based framework for sustainable municipal solid waste management systems: a case study on city of Nashik(WFS)

Sponsor: INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH(JNU Institutional Area, Aruna Asaf Ali Marg, New Delhi - 110067 (INDIA))

Consolidated Compensation: Upto Rs.20000(dependent upon qualification & experience)

Qualifications: M.S./ME/M.Tech/MBM or equivalent with minimum 55% marks and NET/GATE/SLET /M.Phil / Ph.D.

Relevant Experience: Previous experience in waste management related project

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

Age Limit: 40

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

Position: Research Associate
(Project) - Project Management

PI: Brajesh Kumar Dubey

Department: Vinod Gupta School
of Management

Ref

No.: IIT/SRIC/R/WFS/2023/101

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