

इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी दिल्ली

हौज खास, नई दिल्ली -110016

(औद्योगिक अनुसंधान एवं विकास इकाई)

INDIAN INSTITUTE OF TECHNOLOGY DELHI

Hauz Khas, New Delhi-110016

(Industrial Research & Development Unit)

No. IITD/IRD/RP03446G/

299127

Advertisement No.: IITD/IRD/037/2021

Dated: 10/02/2021

Applications from Indian nationals are invited for Project Appointment under the following project. Appointment shall be on contractual basis with consolidated pay, renewable yearly or upto the duration of the project, whichever is earlier. निम्नलिखित परियोजना के तहत भारतीय नागरिकों से आवेदन आमंत्रित किए जाते हैं। अपॉइंटमेंट, अनुबंधित आधार पर समेकित वेतन, नवीकरणीय वार्षिक या परियोजना की अवधि तक, जो भी पहले हो, के साथ होगा।

Title of the Project	Development of Time Resolved THz Imaging and Spectroscopy System for Studying High Energy Density Materials and Condensed Explosives under Functionalized Condition (JATC Sub Project # 17 under MI01618 (RP03446G))	
Funding Agency	DRDO, Ministry of Defence	
Name of the Project Investigator	Amartya Sengupta	
Deptt./Centre	Department of Physics	
Duration of the Project	Upto:31/10/2022	
Post (s)	Consolidated fellowship / Pay-slab	Qualifications
Sr. Project Scientist (1)	Rs.45,000-48,200-51,400-55,400-59,400-63,400/- p.m. plus HRA @ 24%	M. Tech. 1st class or equivalent in Mechanical Engineering/Engineering Design or allied areas OR B.Tech. / M. Sc.1st Class or equivalent with 3 years experience in the above areas. ESSENTIAL EXPERIENCE: Hands-on demonstrable work in 3-D printing; experience of working in a mechanical/engineering workshop; excellent working and design knowledge using AUTOCAD, SolidWorks. DESIRABLE QUALIFICATIONS: Experience of working in electronic workshops for PCB board interfacing, etc.
Research Associate (1)	Rs.47,000/-p.m. plus HRA @ 24%	Requirements: Ph.D in Natural Sciences or Engineering fields with at least one research paper in Science Citation (SCI) Journal. Additional required Criteria: (1) PhD or allied degree dissertation work should be based on Machine Learning Algorithms (MLA) using Artificial Neural Networks or SVMs, (2) Excellent programming skills in MATLAB, (3) Excellent English communication skill; Desirable Criteria: Experience on Optical Pattern Recognition and/or Hyperspectral Imaging Analysis

The candidates who are interested to apply for the above post should download Form No. IRD/REC-4 from the IRD Website (<http://ird.iitd.ac.in/rec>) of IIT Delhi and submit the duly filled form with complete information regarding educational qualifications indicating percentage of marks/division, details of work experience, one page statement of Research Experience justifying their candidature with the required skillset and names and contact information of two professional/academic references etc. by e-mail with advertisement No. on the subject line to Prof. Amartya Sengupta at email id: [amartya@physics.iitd.ac.in](mailto:amartya@physics.iitd.ac.in)

IIT Delhi reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post and their name will be displayed on web link (<http://ird.iitd.ac.in/shortlisted>) alongwith the online interview details. Only short-listed candidates will be informed for online interview. In case any clarification is required on eligibility regarding the above post, the candidate may contact Prof. Amartya Sengupta at email id: [amartya@physics.iitd.ac.in](mailto:amartya@physics.iitd.ac.in)

5% relaxation of marks may be granted to the SC/ST Candidates. In case of selection of a retired/superannuated government employee, his/her salary will be fixed as per prevailing IRD norms. The last date for submitting the completed applications by e-mail is 25/02/2021 by 5.00 p.m. The shortlisted candidates who are called for interview should bring original certificates (both professional and academic) with a recent passport size photograph at the time of interview.

सहायक कुलसचिव, आईआईटी

#### वितरण

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- Prof. Amartya Sengupta, PI, Deptt. of Physics
- Copy to Chairperson, DRC/CRC
- Dr. Harshita Bhatnagar, RD Coordinator, (R&D) Wing

It is requested that the contents of the Above Advt. be brought to the notice of the staff working in your Deptt./Centre/Unit To put advertisement at IITD website.