

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/RM00220G/ 546040

Dated:10/09/2026

**Advertisement No.: IITD/IRD/243/2026**

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।

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|----------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Title of the Project             | Design and Development of SPAD based Time Gated Raman Sensor for stand-off detection of explosives. (RM00220G) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Funding Agency                   | DRDO                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Name of the Project Investigator | Prof. Satish Kumar Dubey<br>[email ID: satishdubey@sense.iitd.ac.in]                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Deptt./ Centre                   | Centre for Sensors, Instrumentation and Cyber Physical Systems Engineering                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Duration of the Project          | Upto: 07.07.2029                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Post (s)                         | Consolidated fellowship / Pay-slab                                                                             | Qualifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Jr. Research Fellow - (01)       | Rs. 37,000/- p.m. plus HRA @27%                                                                                | 1 <sup>st</sup> class M.Sc. in Physics/Photonics or 1 <sup>st</sup> class B.E./B.Tech. in Engineering/Physics/Optical/Electrical/Electronics/Instrumentation/Computer Science and Engineering. The candidate must have qualified a national-level examination such as *GATE, UGC-NET, or equivalent, as per the applicable DRDO/DST norms for the award of a JRF. Desirable: The candidate is expected to have hands-on experience in spectroscopic instrumentation, along with relevant exposure to characterization techniques used in Raman spectroscopy.<br><b>*The requirement of NET/GATE examination for the selection to the post of JRF/SRF may be relaxed for the candidates who have graduated from Centrally Funded Technical Institutes (CFTIs) with a CGPA of more than 8.000 (80% aggregate marks).</b> |
| Research Associate - (02)        | Rs. 58,000/- p.m. plus HRA @27%                                                                                | Educational Qualification: Ph.D. in Physics/Optical Engineering/Electrical Engineering/Electronics Engineering/Instrumentation Engineering/Computer Science, or a related field. Desirable: Sound understanding of lasers and photodetectors, including CCD/CMOS, ICCD, APD, and SPADs. Hands-on experience in spectroscopic instrumentation. At least two research papers published in SCI-indexed journals. Experience in writing research papers, technical reports, and patents.                                                                                                                                                                                                                                                                                                                                   |

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 etc. **by e-mail with advertisement No. on the subject line to Prof. Satish Kumar Dubey at email id: satishdubey@sense.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 to **Prof. Satish Kumar Dubey at email id: satishdubey@sense.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. अनुसूचित जाति / अनुसूचित जनजाति के उम्मीदवारों को अंकों की 5% छूट दी जा सकती है। एक सेवानिवृत्त सरकारी कर्मचारी के चयन के मामले में उसका वेतन वर्तमान आईआरडी मानदंडों के अनुसार तय किया जाएगा। **The last date for submitting the completed applications by email is 25/09/2026 by 5.00 p.m.**

  
Deputy Registrar (IRD Estt.)

**वितरण**

- Head of the Deptt./Centres/Units :
- Webmaster, IRD
- Notice Boards
- Advertisement file
- Prof. Satish Kumar Dubey, PI, SeNSE
- Copy to Chairperson, DRC/CRC

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.