



# राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

(शिक्षा मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संस्थान)

(An autonomous Institute under the aegis of Ministry of Education (Shiksha Mantralaya), Govt. of India)

Plot No. FA7, Zone P1, GT Karnal Road, Delhi-110036, INDIA

दूरभाष/Tele: +9111-33861000, 1001, 1005 फैक्स/ Fax: +9111-27787503,

वेबसाइट/Website: [www.nitdelhi.ac.in](http://www.nitdelhi.ac.in)

Dated: 06/03/2025

## **Advertisement for the post of Junior Research Fellow (JRF) and Project Associate-II (PA-II)**

Applications are invited from the Indian citizens for the post of JRF and Project Associate-II purely on contract basis under the DST funded project entitled “Design and Development of Portable VIS-NIR Spectrometer for Detection of Pesticide Content in Fruits and Vegetables Products”. The details of the project are mentioned below:

Title of the Project	Design and Development of Portable VIS-NIR Spectrometer for Detection of Pesticide Content in Fruits and Vegetables Products
No. of position	JRF – 02, PA-II – 01
Project Duration	3 years

Other relevant information:

01.	Principal Investigator	Dr. Gyanendra Sheoran
02.	Essential Qualifications	JRF - Post graduation in Sciences (Physics or optics)/ Graduation or post graduation in Engineering qualified with GATE/NET/JRF/National level examination/Own fellowship.  PA-II – (i) Master degree in Natural Science/Agricultural Sciences or Bachelor degree in Sciences/Engineering/ Technology from a recognized university. (ii) 2 years experience in Research and Development in Industrial and Academic Institution or Science & Technology Organisations and Scientific activities and services.  <i>Desirable:</i> Candidates with an experience in dealing the optics/prototyping of optical instrumentation, machine learning, proficiency in MATLAB, LabVIEW, Python, Ray tracing software like Zeemax/FRED will be preferred. Candidates from other branch may also apply if the applicant has hands-on experience in designing and development of the spectrometers/optical instruments, arrangement of lab set-up of Optics experiment.
02.	Age	JRF – 32 years, PA – 35 years
03.	Relaxation on qualification and age	SC/ST/OBC/WOMEN/PWD candidates will get relaxation as per Govt. of India Rules.
04.	Salary/Emoluments	JRF – Rs. 37000/- + 27%HRA; PA – Rs. 28000/- + HRA (as per Govt. norms)
05.	Duration	Appointment will be for 1 year with a provision of extension depending upon the performance of the candidate. <b>However, the JRF applicants are encouraged to register for Ph.D. In such cases, the appointment will be awarded for 3 years.</b>
06.	Date of Interview	The shortlisted candidates will be informed on the last date of advertisement by e-mail and the interview will be conducted on 01/04/2025. No TA/DA will be paid for attending the interview.

Interested candidates should apply with their detailed CV [including date of birth, contact details - Mobile number, email and postal address, educational/professional qualifications, Summary of completed/on-going research projects (only relevant to this project), publications (Only SCI, if any), a statement showing his/her strength and compatibility with the project requirements; Contact details of two referees; any other information] via email to [gsheoran@nitdelhi.ac.in](mailto:gsheoran@nitdelhi.ac.in) by 28/03/2025.

For any query contact to –

Dr. Gyanendra Sheoran ([gsheoran@nitdelhi.ac.in](mailto:gsheoran@nitdelhi.ac.in)),

Assistant Professor (Physics), Department of Applied Sciences

National Institute of Technology Delhi,

Mob.: 7042131946