



**National Institute of Pharmaceutical Education and Research (NIPER),
Hyderabad**

Eligibility and desirable criteria for one Junior Research Fellow position under the Extramural Research - Grant from Soldier Support System Research Board (SSSRB) (Purely temporary basis) (Department of Pharmaceutical Analysis)

Applications are invited from the eligible candidates for the position of **Junior Research Fellow under the Extramural Research - Grant from Soldier Support System Research Board (SSSRB)** project entitled **“Development of an Integrated Sample-to-Answer Detection System for Simultaneous Detection of Multiple Viral Agents Based on the Polymer/Paper-based Hybrid Microfluidics Platform.”**

Project number	SSSRB-441/CBDT/2026
Project title	Development of an Integrated Sample-to-Answer Detection System for Simultaneous Detection of Multiple Viral Agents Based on the Polymer/Paper-based Hybrid Microfluidics Platform.
Position	Junior Research Fellow (01)
Duration of project	Two years
Salary	Rs. 37,000/- + 27% HRA (Revision awaited) Total Rs. 46,990/- per month."
Qualification	Essential: <ul style="list-style-type: none">• First-class post-graduate degree (M.Sc./MS) in Life Sciences• First-class post-graduate degree (M. Tech.) in Biomedical Engineering/ Bioengineering/ Biotechnology/ Medical Devices• 2 to 3 years of hands-on experience with the development of LAMP-based assay Desirable: <ul style="list-style-type: none">• Experience/ Knowledge in molecular biology tools, such as LAMP, checkerboard ELISA• Experience/ Knowledge in working with lateral flow assay• Experience on paper-based devices will be an advantage.
Age limit	35 years
Job profile	<p>The JRF will optimize fabrication processes for paper-based microfluidic and lateral flow devices. Key responsibilities include:</p> <ul style="list-style-type: none">• Designing, fabricating, and characterizing paper-based and LFA devices for simultaneous detection of multiple viral agents.• Development of LAMP assay for Multiple Viral Agents.• Standardizing and validating devices through comparison with ELISA and paper-based LAMP assays (developed at NIPER Hyderabad).• Testing with real clinical samples, including frequent travel to DRDE, Gwalior, for analysis. <p>This role suits candidates skilled in microfluidics, molecular biology tools, LAMP assay development, checkerboard ELISA, and LFA, and hands-on prototyping.</p>

Last Date of Submission of applications: 16th of March 2026 by 6 PM
Intimation to shortlisted candidates: 23rd of March 2026 by 6 PM
Expected date of Interview: 07th of April 2026, preferably physically*
Expected date of joining the project: 01st of May 2026

Send your CV, copies of relevant certificates/publications, and at least two recommendation letters to Dr. Amit Asthana (amit.asthana@niperhyd.ac.in or amitasthana4@gmail.com). The email Subject should be **“SSSRB-Project Junior Research Fellow position.”**

***Please note that no TA/DA will be paid to appear in the interview. Candidates are required to arrange their accommodation.**