



# SOLVE

The Virtual Lab @ NITK Surathkal, Funded by NME- ICT, MHRD  
**CENTRE FOR SYSTEM DESIGN**  
 NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA SURATHKAL  
 P.O. SRINIVASNAGAR, MANGALORE – 575 025



Ref. No. : NITK/CSD/VLAB-III/2025/KVG/PU- 146

Date: 22-07-2025

## ADVERTISEMENT

Applications are invited from interested candidates for the post of **Junior Research Fellow(3 No's.)** in the **Virtual Lab Phase-III project**. The appointment will be purely temporary for a period maximum up to March 31, 2026.

Sl. No.	Position	Desired Qualification	No. of Posts	Consolidated pay (In Rs. / Month) *	Duration of Contractual Period
1	Junior Research Fellow	<p>B.E./B.Tech. in Computer Science, Electronics, Electrical, Mechanical Engineering, Robotics and Artificial Intelligence, or allied disciplines with a minimum of 60% aggregate or 6.5 CGPA.</p> <p><b>Desired Skills:</b>            Proficiency in JavaScript and Three.js for web development. Strong coding skills in Python, Java, and C/C++. Familiarity with AI/ML tools like scikit-learn, OpenCV, Hugging Face, and Together AI. Hands-on experience with IoT devices such as ESP32, Raspberry Pi, and Jetson Nano. Skilled in CAD tools (SolidWorks, CATIA, Fusion 360, Creo, Solid Edge) and analysis software (MATLAB, ANSYS, ADAMS). Experience in control system design, FEA, kinematic and dynamic analysis. Knowledge of robotics design, sensor integration, and microcontrollers (Arduino, ESP32). Basic understanding of AI/ML applications including CNN-based image classification.</p>	03	Rs. 16,000/-	Maximum up to March 31, 2026

\* Consolidated pay with no accommodation facility

Interested candidates for Junior Research Fellow, should be present for software proficiency test and a technical interview on **07-08-2025** mentioned at NITK Surathkal. Report at 9:30 am at Centre for System Design, NITK Surathkal with applications along with passport size photo on plain paper, original certificates and a self-attested copy of original certificates. Candidates must bring laptops for the software proficiency test with appropriate software installed.

### Contact Person:

Sd/-

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 Professor-In-Charge (Transdisciplinary R&D)  
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Sd/-

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