

MEDICAPS UNIVERSITY, INDORE
Department of Mechanical Engineering
Vacancy: Junior Research Fellow (JRF)
Advertisement for JRF Position in MPCST Sponsored Project (File No: A/RD/RP-2/389)
Last Date 07 June 2025

Applications are invited for **one post of Junior Research Fellow (JRF)** with a fixed stipend of **Rs. 20,000/- per month (no HRA)** for a duration of **two years**, under a project sponsored by the **Madhya Pradesh Council of Science and Technology (MPCST)**, titled: **“Bioinspired Robotics: A Synergistic Approach for Next-Gen Solutions in Precision Agriculture, Police Patrol, and GIS Mapping”**, sanctioned for a period of **24 months**. The position is **purely temporary** and co-terminus with the project.

Fellowship Eligibility:

- Master's degree in **Mechanical / Robotics / Electronics Engineering** with a minimum of **60% marks** at the postgraduate level.
- NET qualification or valid GATE score is desirable.
- **The selected candidate will be required to apply and qualify the PhD entrance test and register to pursue his/her Ph.D. under the supervision of PI/Co-PI at Medicaps University Indore related to the subject line of MPCST-sponsored project.**

Desirable Qualifications:

- Strong background in robotics, embedded systems, control systems, or artificial intelligence.
- Hands-on experience with microcontrollers, sensors and actuators, and simulation tools such as MATLAB, ROS, and Gazebo.
- Proficiency in programming languages such as Python, C/C++, and design software such as AutoCAD and SolidWorks.
- **Duration of Fellowship:** The fellowship is sanctioned on an **annual renewal basis for 2 years only** with a **fixed monthly stipend of Rs. 20,000/-** (Rupees Twenty Thousand only) with No HRA, subject to the release and terms and conditions of MPCST.

How to apply:

Interested candidates may apply on plain paper with their full name, date of birth, permanent and correspondence address, names of parents, contact number, email ID, and detailed educational background (from High School onward), along with self-attested copies of mark sheets, certificates, and any relevant research or work experience. **Applications must reach the Principal Investigator, Dr. Swati Mishra**, Department of Mechanical Engineering, F Block 054C, Medi-Caps University, A.B. Road, Pigdamber, Rau, Indore – 453331, Madhya Pradesh, within 15 days from the date of advertisement, both by post and email at swati.mishra@medicaps.ac.in, but not later than **June 07 2025**. An application form is attached for reference. Incomplete applications or those without testimonials may not be considered. For further details and updates, please visit: www.medicaps.ac.in

Contact Details: Dr. Swati Mishra | Email: swati.mishra@medicaps.ac.in | Phone: 7869392260

General Instructions:

1. Only shortlisted candidates will be communicated to appear for the interview.
2. Original certificates and self-attested copies of all certificates need to be presented for verification.
3. No TA/DA will be paid for attending the interview.

MEDICAPS UNIVERSITY, INDORE
Department of Mechanical Engineering
APPLICATION FORM FOR MPCST SPONSORED RESEARCH PROJECT
Last Date 07 June 2025

Title of the Project: “Bioinspired Robotics: A synergistic Approach for Next-Gen Solutions in Precision Agriculture, police Patrol and GIS Mapping”

1. Name of fellowship applied for
2. Name.....
3. Father's Name.....
4. Nationality.....
5. Date of Birth.....
6. Present Address.....
7. Permanent Address
8. Mobile/Telephone Number.....Email.....
9. Married/Un-married:Category: General/OBC/SC/ST.....

10. Educational/Professional Qualifications:

Examination Passed	Board/University	Year of Passing	CGPA/% of Marks	Subjects Studied/Branch/Specialization
10				
12				
B.Tech/B. E				
M.E/M.Tech				
NET/GATE if any				

11. Experience if any:

DECLARATION:

Important Note: The selected candidate is expected to qualify for the PhD entrance test and register to pursue his/her Ph.D. under the supervision of PI/Co-PI at Medicaps University Indore related to the subject line of MPCST-sponsored project.

I hereby declare that I have noted down the conditions and declare that the information furnished by me is true, correct, and complete to the best of my knowledge and belief. If any information is found to be false, incorrect, or incomplete, or if I am found engaged in any job/work other than this project work, or if the progress is not satisfactory, I understand that I may be terminated from this position at any time.

Signature of the candidate with date

Full Name.....

Attachment: Mark sheet of all classes & other relevant documents (self-attested).