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IIT Indore

भारतीय प्रौद्योगिकी संस्थान इन्दौर
सिमरोल, इन्दौर 453 552, भारत

Advertisement for Recruitment of Project Research Scientist – I (Non-Medical)

Advt. No:

Date: 24/04/2026

Applications are invited from interested and motivated Indian nationals for the post of **Project Research Scientist – I (Non-Medical)** in a research project as per the following details.

Position	Project Research Scientist – I (Non-Medical) (Under ICMR Project)
Number of Vacancy	01
Project Title	Development of Risk Management and Health Monitoring System on Ventilated Neurotrauma Patients Using The concept of Digital Twins and Probabilistic Modelling.
Department	Mechanical Engineering
Fellowship duration	1 years (initially) (extendable on a year-to-year basis up to the project duration, subject to satisfactory performance and availability of funds)
Job Description	<ul style="list-style-type: none">- Collaborate with healthcare professionals.- Analyze medical images (X-rays, CT scans), patient vitals, and other clinical parameters.- Prepare technical reports, research papers, and documentation.- Integrate real-time patient data.- Perform statistical and AL/ML based modelling based on available data.- Any other project related task
Essential Qualification	Post Graduate Degree, including integrated PG degrees, in relevant disciplines OR Four-Year Graduate Degree in Engineering / Information Technology / Computer Science or related disciplines from a recognized university/institution.
Desirable Qualifications	<ul style="list-style-type: none">• Experience in digital twin technology, predictive maintenance, AI/ML, or related research areas.• Strong programming skills in Python, MATLAB, or similar languages.• Experience in healthcare technology development• Experience with data analysis, modeling, and simulation techniques.• Familiarity with ICU ventilator systems and their operational dynamics.• Publications in relevant high-impact journals.
Age Limit	35 years (relaxation As per GoI rules)
Fellowship	Project Research Scientist – I (Non-Medical): 56,000 per month + HRA HRA will be provided as per institute norms.

Interested candidates are requested to apply with a detailed softcopy of their CV with all relevant Essential Qualification Degree Certificates/Marks Sheets, Date of Birth proof Certificate in a single pdf file at <https://forms.gle/txsifV6kJdJWCiDE7> by **10/05/2026**.

Only shortlisted candidates will be called for interview. Selected candidates will be intimated by email.

No TA/DA will be paid for appearing in the interview.

Address for Correspondence:

Prof Bhupesh Kumar Lad, email: bkld@iiti.ac.in

Mechanical Engineering Department, Ph: 07316603235

Advertisement for Recruitment of Project Assistant

Advt. No:

Date: 24/04/2026

Applications are invited from interested and motivated Indian nationals for the post of Project Research in a research project as per the following details.	
Position	Project Assistant (Under ICMR Project)
Number of Vacancy	01
Project Title	Development of Risk Management and Health Monitoring System on Ventilated Neurotrauma Patients Using The concept of Digital Twins and Probabilistic Modelling.
Department	Mechanical Engineering
Fellowship duration	1 years (initially) (extendable on a year-to-year basis up to the project duration, subject to satisfactory performance and availability of funds)
Job Description	<ul style="list-style-type: none">- Participate in testing and validating AI/ML models- Assist in data collection and preprocessing from ICU ventilators.- Conduct routine analysis and validation of the DT model.- Support the preparation of reports and presentations.- Document the research process and maintain accurate records of experiments.- Develop data visualization interface
Essential Qualification	Bachelor's or master's degree in biotechnology and biomedical engineering, Mechanical Engineering, Computer Science, Electronics, Data Science or a related field evident from past work experience.
Desirable Qualifications	<ul style="list-style-type: none">• Basic programming skills in Python, MATLAB, or similar languages.• Strong analytical and problem-solving skills.• Ability to work collaboratively in a team environment.• Experience with data analysis, modeling, and simulation techniques.• Familiarity with ICU ventilator systems and their operational dynamics.• UI/UX knowledge
Age Limit	35 years (relaxation As per GoI rules)
Fellowship	Upto 30,600 per month (consolidated)

Interested candidates are requested to apply with a detailed softcopy of their CV with all relevant Essential Qualification Degree Certificates/Marks Sheets, Date of Birth proof Certificate in a single pdf file at <https://forms.gle/txsifV6kJdJWCiDE7> by **10/05/2026**.

Only shortlisted candidates will be called for interview. Selected candidates will be intimated by email.

No TA/DA will be paid for appearing in the interview.

Address for Correspondence:

Prof Bhupesh Kumar Lad, email: bklad@iiti.ac.in

Mechanical Engineering Department, Ph: 07316603235