



सीएसआईआर-चौथा पैराडाइम संस्थान
CSIR-Fourth Paradigm Institute
Ministry of Science & Technology, Govt. of India
बेलूर कैंपस, विंड टनल रोड, बैंगलोर-३७
Belur Campus, Wind Tunnel Road, Bangalore-37



WALK-IN INTERVIEW FOR THE ENGAGEMENT OF PROJECT STAFF ON TEMPORARY BASIS

Advertisement No. 04/2025 Dt: 21-07-2025

Council of Scientific and Industrial Research (CSIR) is an autonomous body under Ministry of Science and Technology, Government of India. It is one of the largest and most diversified scientific organizations having a network of nearly 38 state-of-the-art Laboratories with well experienced scientific staff and a large number of research scholars.

CSIR-Fourth Paradigm Institute (CSIR-4PI), Bengaluru is a premier research institute under the Council of Scientific and Industrial Research (CSIR), which is an Autonomous Body working under the Department of Scientific and Industrial Research, Ministry of Science & Technology, Government of India. The vision of CSIR-4PI is to pursuit “High End Computational Science Empowering Data Intensive Scientific Discovery” in trans-disciplinary areas through large scale scientific computing. Our facilities include world-class supercomputing environment; Cyber Security Research and Observation (CySeRO) test-bed; Broadband Seismic, GNSS & GHG Networks, etc. CSIR-4PI is recognized as a leader at national level and competing at international level for its multi-dimensional high impact studies in earth system covering all the four geographic spheres for over three decades.

Walk-in-Interviews are scheduled to be held on the date as mentioned below for the selection of suitable candidate(s) in the specified areas. The engagement will be purely on temporary basis.

Date of Walk-in Interview : 07.08.2025
Reporting Time : 09:00 A.M
Venue : CSIR-4PI, NAL Belur Campus
Wind Tunnel Road, Bengaluru 560037.

Emoluments (per month) [Consolidated]:

Senior Project Associate (Senior PAT)

Rs.42,000/- per month + House Rent Allowance (HRA)

Age Limit: : 40 years

Project Associate I (PAT I):

* Rs.31,000/- per month + House Rent Allowance (HRA) (or)
Rs.25,000/- per month + House Rent Allowance (HRA)

- *(i) Rs. 31000/- P.M + HRA to Scholars who are selected through:
(a) National Eligibility Tests CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or
(b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.

(ii) Rs.25000/- P.M + HRA for others who do not fall under (i) above

Age Limit: : 35 years

Project Associate II (PAT II):

* Rs.35,000/- per month + House Rent Allowance (HRA) (or)
Rs.28,000/- per month + House Rent Allowance (HRA)

- * (i) Rs. 35,000/- + HRA to scholars who are selected through:
(a) National Eligibility Tests CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or
(b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.

(ii) Rs. 28,000/- + HRA for others who do not fall under (i) above

Age Limit: : 35 years

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I. HCP-057- Project Upto 31.03.2026

POST CODE: PAT II /04/2025/01 : (02 Positions)

Essential Qualification for PAT-II: Master's Degree in Physics/Mathematics/Computer Science/Environmental Science/Statistics/Atmospheric Science/Geographic Information Science or equivalent from a recognized University and 2 years research experience in relevant area from recognised R&D/industrial/academic/Science & Technology organizations.

(OR)

Masters/Integrated Masters in Engineering with specialization in Computer/Information Science/Environmental Science/Remote sensing/Atmospheric/Climate Sciences/Geo Informatics or equivalent from a recognised University.

Desirable: Working experience in Linux, Python Programming, R Programming etc; Experience in mathematical modelling/image processing, geospatial data analysis/Machine Arch GIS Modelling/ENVI using remote sensing data.

Job Requirements: Remote sensing data processing; Development of Geospatial modelling tools.

POST CODE: Senior PAT /04/2025/02 : (02 Positions)

Essential Qualification for Senior PAT: Master's Degree in Physics/ Atmospheric sciences/Environmental sciences/computer/information sciences/Remote sensing or equivalent from a recognised University and 3 years experience in R&D in Industrial/academic/Science & technology organizations.

(OR)

Doctoral degree in Physics/Atmospheric sciences/Remote sensing/computer sciences or equivalent from a recognised University.

(OR)

Masters/Integrated Masters in Engineering with specialization in Computer/Information Science/Environmental Science/Remote sensing/Atmospheric/Climate Sciences/Geo Informatics or equivalent from a recognised University.

Desirable: Good programming skills in advance python, R, Experience in Machine and Deep Learning tools for predictive data analytics, Arch GIS Modelling/ENVI using remote sensing data.

Job Requirements: Development of dynamic prediction models, High Resolution Image analytics, AI/ML based predictive modelling and Data modelling.

Note:

Selected candidates will be required to visit across India for field surveys and data collection. The selected candidates will be posted at Bangalore.

In case no eligible candidate is found suitable for a post, the post may be downgraded to the filled with suitable candidates. Hence, the number of posts for a particular post code may be increased or decreased.

II. HCP02502- Project Upto 31.03.2030

POST CODE: PAT I /04/2025/03: (01 Position)

Essential Qualification for PAT-I: MSc/B.E/B.Tech/MCA in

- Computer Science & Engineering / Equivalent.
- Data Science/Mathematics/Statistics/Physics.
- Information Technology / Equivalent.
- Electronics & Communication Engineering / Equivalent.

Desirable:

- Good Critical Thinking & Problem-Solving skills.
- Good communication and presentation skills.
- Having experience in designing a course and approval methodology.

Job Description:

- Conduct training program for Students, professional and Teachers.
- Writing reports, presentations, documentation, research articles.
- Lead the group of people to carry out any operational and management of the project.
- Any other project work assigned.

III. RSF01- Project Upto 31.03.2026

POST CODE: PAT I or II/04/2025/04: (01 Position)

Essential Qualification for PAT-I: B.E/B.Tech. /M.Sc. in Earth Science/ Geophysics/Geology/Hydrology.

(OR)

Essential Qualification for PAT-II: B.E/B.Tech. /M.Sc. in Earth Science/ Geophysics/Geology/Hydrology + 2 Years of experience in R&D in industrial and Academic institutions or S&T Organizations & Scientific activities and Services

(OR)

M.E/M.Tech/Integrated M.Tech. in Earth Science/ Geophysics/Geology/Hydrology.

Desirable :

- GNSS and InSAR based Geoscience studies.
- GRACE Studies.
- Programming skills (Python) and Mathematics (ML/DL)
- GATE qualified or equivalent.

Job Description:

- GNSS, InSAR & GRACE data processing and Analysis.
- Writing reports, presentations, documentation, research articles.
- Any other project work assigned.

IV. RSF02- Project Upto 31.03.2026

POST CODE: PAT I or II/04/2025/05: (01 Position)

Essential Qualification for PAT-I: B.E/B.Tech. in Areas mentioned below:

- Computer Science and Engineering.
- Information Science.
- Cybersecurity.
- Information Technology.
- Software Engineering.
- Cyber Forensics.
- Electronics and Communication.

(OR)

Essential Qualification for PAT-II: B.E/B.Tech. /M.Sc. in Areas mentioned below + 2 Years of relevant experience in Cyber Security and python/go programming

- Computer Science and Engineering.
- Information Science.
- Cybersecurity.
- Information Technology.
- Software Engineering.
- Cyber Forensics.
- Electronics and Communication.

(OR)

MCA along with two years of relevant experience in Cyber Security and python/go programming .

(OR)

M.E./M.Tech. in Cyber Forensics/Information Security/Cybersecurity or any branch related to Cyber Security.

Desirable: Knowledge of Linux system

Job Requirements:

- R&D in cybersecurity.
- Development of Python/C/C++ programs.
- Malicious program analysis.

- Shell scripting analysis.
- Analysis of Attack Patterns with Cyber Security Frameworks.

V. RSF03- Project Upto 31.03.2026

POST CODE: PAT I or II/04/2025/06: (01 Position)

Essential Qualification for PAT-I: B.E/B.Tech. /M.Sc. in Areas mentioned below:

- Computer Science and Engineering
- Information Technology.
- Artificial Intelligence.
- Machine Learning.
- Data Science/Statistics/Electrical Engineering
- Electronics and Communication Engineering.
- Electronics and Instrumentation Engineering.
- Software Engineering.
- Computer Science and Business system.
- Information systems.
- Mechanical/Robotics/Mechatronics.

(OR)

Essential Qualification for PAT-II: B.E/B.Tech. /M.Sc. in Areas mentioned below + 2 Years of experience in R&D in industrial and Academic institutions or S&T Organizations & Scientific activities and Services.

(OR)

M.E/M.Tech/Integrated M.Tech. in Areas mentioned below:

- Computer Science and Engineering.
- Information Technology.
- Artificial Intelligence.
- Machine Learning.
- Data Science/Statistics/Electrical Engineering.
- Electronics and Communication Engineering.
- Electronics and Instrumentation Engineering.
- Software Engineering.
- Computer Science and Business system.
- Information systems.
- Mechanical/Robotics/Mechatronics.

Desirable:

- Good knowledge of programming and mathematics (ML related)
- Experience with Python and ML (libraries such as pytorch, tensorflow, etc.)
- Knowledge of simulators like carla.
- GATE qualified/CSIR-UGC NET incl. lectureship/assistant professor.
- MS (by Research)/BS & MS (Dual Degree)

Job Description:

- Conduct research and develop ML algorithms.
- Collect, analyze and preprocess data for training and evaluation purposes.

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- Collaborate with team members to integrate solutions into existing systems.
- Document research findings.

VI. RSF04- Project Upto 31.03.2026

POST CODE: PAT I or II/04/2025/07: (01 Position)

Essential Qualification for PAT-I: B.E/B.Tech. /M.Sc. in Areas mentioned below:

- Computer Science and Engineering/Equivalent
- AI/ML/Data Science.
- Information Technology.
- Highway Engineering.
- Transportation Engineering & Management.
- Highway Technology.
- Civil Engineering.

(OR)

Essential Qualification for PAT-II: B.E/B.Tech. /M.Sc. in Areas mentioned below + 2 Years of experience in R&D in industrial and Academic institutions or S&T Organizations & Scientific activities and Services

(OR)

M.E/M.Tech/Integrated M.Tech. in Areas mentioned below:

- Computer Science and Engineering/Equivalent
- AI/ML/Data Science.
- Information Technology.
- Highway Engineering.
- Transportation Engineering & Management.
- Highway Technology.
- Civil Engineering.

Desirable Requirements:

- Programming skills (Python) and Mathematics (ML/DL)
- Knowledge & Proficiency in ML Libraries (Pytorch)
- Knowledge in Object detection, SUMO/Other macro simulators to simulate urban traffic.
- Gate qualified or MS (by research) BS&MS (Dual Degree)

Job Description:

- Conduct research and develop AI algorithms for traffic flow.
- Running Large scale macro simulations on HPC/Server.
- Writing reports, presentations, documentation, research articles.
- Any other project work assigned.

VII. RSF05 & RSF06- Project Upto 31.03.2026

POST CODE: PAT I or II/04/2025/08: (03 Positions)

Essential Qualification for PAT-I: B.E/B.Tech. /M.Sc./MCA in Areas mentioned below:

- Computer Science & Engineering/Equivalent
- Data Science/Mathematics
- Information Technology/Information Science Equivalent

(OR)

Essential Qualification for PAT-II: B.E/B.Tech. /M.Sc./MCA in Areas mentioned below+ 2 Years of experience in R&D in industrial and Academic institutions or S&T Organizations & Scientific activities and Services:

- Computer Science & Engineering/Equivalent
- Data Science/Mathematics
- Information Technology/Information Science Equivalent

Desirable:

- Good Critical Thinking & Problem-Solving skills.
- Good exposure to Python, Java, C/C++
- Exposure to AI/ML techniques.
- Experience with Full Stack Development.

Job Description:

- Full stack ML based R&D.
- Web application development and debugging.
- HPC knowledge, ML pipeline building knowledge.
- Any other project work assigned.

VIII. RSF07- Project Upto 31.03.2026

POST CODE: PAT I or II /04/2025/09: (01 Position)

Essential Qualification for PAT-I: B.E/B.Tech. /M.Sc. in Areas mentioned below:

- Civil Engineering.
- Structural/Earthquake/Geotechnical Engineering/Equivalent.
- Applied Geophysics/Equivalent.
- Seismology/Earth Science.
- Geo-spatial Technology.
- ML/Data Science.

(OR)

Essential Qualification for PAT-II: B.E/B.Tech. /M.Sc. in Areas mentioned below + 2 Years of experience in R&D in industrial and Academic institutions or S&T Organizations & Scientific activities and Services

(OR)

S. Abhyrta

M.E/M.Tech/Integrated M.Tech. in Areas mentioned below:

- Civil Engineering.
- Structural/Earthquake/Geotechnical Engineering/Equivalent.
- Applied Geophysics/Equivalent.
- Seismology/Earth Science.
- Geo-spatial Technology.
- ML/Data Science.

Desirable:

- Programming skills (Matlab & Python)
- Knowledge & Proficiency in ArcGIS, QGIS
- Knowledge in crustal modeling, ground motion characterization, Hazard
- Gate qualified or MS (by Research)/BS & MS (Dual Degree)

Job Description:


- Conduct research and develop Matlab/Python Code for computational modeling.
- Running simulations on HPC/Server.
- Writing reports, presentations, documentation, research articles.
- Any other project work assigned.

General Instructions:

1. Candidates reporting for interview after the scheduled time will not be entertained
2. The number of positions as advertised may vary depending upon the suitability of candidates and assessed needs of the candidates in the project.
3. Eligible candidates may appear for Walk-in-interview(s) on the date, time and place mentioned above along with an application on prescribed format (with latest colored passport size photo affixed on it) which is available on the CSIR-4PI website www.csir4pi.res.in along with self-attested photocopies of their testimonials of Age, Educational Qualifications, Experience, etc. at the time of interview.
4. CSIR-4PI reserves the right to draw the panel of selected candidates valid for the period of one year and operate the same in the event of requirement of project staff in the other projects also with similar essential qualifications.
5. **The engagement of Project Staff is initially for a period of one year or till the tenure of the project from the date of joining, whichever is earlier.**
6. There will be no right implicit or explicit for regular position or any post in CSIR-4PI, whatsoever.

7. **Candidates must also bring with them original certificates of testimonials at the time of appearing for the interview failing which he/she will not be allowed to appear for interview.**
8. No travelling Allowance will be paid for attending the interview.
9. **Candidates must ensure that they bring self-attested copies of their essential certificates otherwise, their applications will not be accepted.**
10. The selection Committees(s) may adopt the selection criterion at its own i.e, either by conducting direct interview or written test followed by interview on the same day OR on another day.
11. The Competent Authority reserves the right to relax any of the provisions contained in this advertisement on reasonable ground.
12. The performance of the Project Staff would be reviewed after every six-months period and any one not found up to the mark may be terminated.
13. In case no eligible candidate is found suitable for a post, the post may be downgraded to be filled with suitable candidates. Hence, the number of posts for a particular post code may be increased or decreased.
14. In the absence of Degree Certificate, provisional certificates along with the marksheets pertaining to the degree will be considered.
15. The decision of the Director, CSIR-4PI, Bengaluru shall be final on any matter relating to engagement of above-mentioned positions in CSIR-4PI, Bengaluru.

NOTE: 1. Result awaited candidates are not eligible for interview
2. No interim enquiry will be entertained.


Controller of Administration
CSIR-4PI


21/7/25