



Advertisement

Advt. No. JIP/Cardio/CARDIAC India/2024/01

Date: 09 Nov 2024

Advertisement for Recruitment to Project Posts (on Contract)

Applications are invited from eligible candidates to work on the following post(s) on a contract basis in a research project funded by an external agency at the Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Puducherry, as per the details below.

| | |
|---------------------------|--|
| Name of post (number) | 01-Project Consultant (1 Nos) |
| Likely duration | 6 months |
| Consolidated remuneration | Rs 1,00,000/- per month (no other allowances are payable) |
| Project title | AI for early detection & management of cardiovascular diseases with novel multimodal signals & personalised medical records for streamlined clinical care. Consortium for AI & Remote Digital Interventions Against Cardiovascular Diseases in India CARDIAC-INDIA |
| Funding Agency | Ministry of Education GOI |
| Project investigator (PI) | Dr. Santhosh Satheesh |
| PI's department | Department of Cardiology |

Nature of work/responsibilities and expectations

- Lead execution of program goals, ensuring alignment with the strategic objectives of consortium partners.
- Maintain proactive communication with funding agencies and other key stakeholders.
- Manage project timelines, resources, and stakeholder engagement through regular review meetings.
- Monitor progress to ensure timely delivery, adjusting strategies to address emerging challenges and meet objectives.
- Oversee project tracking systems to monitor milestones, progress, and impact metrics.
- Prepare and present comprehensive reports to drive informed decision-making.
- Administer grant and budget oversight, including conducting audits and preparing financial analysis reports to manage expenses and optimise resource allocation.
- Coordinate with data scientists, AI researchers, and engineers to support data acquisition, field research, and scaling AI solutions through pilots and deploy applications.
- Assist the PI in fostering robust partnerships with internal and external stakeholders, supporting advocacy efforts and ensuring cohesive, multi-partner cooperation.

Eligibility criteria (Qualifications and experience)

Essential:

1. EDUCATION: First Class Graduate in Engineering/Science/Medicine
2. EXPERIENCE: Managing large digital / health Technology/AI projects with large teams across multiple sites of minimum 10 years.
3. SKILLS: Excellent command over English and ability to communicate complex topics concisely to diverse audiences, manage geographically dispersed teams, and work effectively in a multicultural environment.

Desirable:

1. Background in managing Health AI research initiatives. Knowledge of healthcare systems and Health AI applications preferred.
2. Proven ability to communicate complex topics concisely to diverse audiences, manage geographically dispersed teams, and work effectively in a multicultural environment. Proficient in Microsoft Office/Google Workspace Suite

Maximum Age Limit: Not exceeding 50 years (as on last date of receipt of applications)



JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER)

Dhanwantri Nagar, Puducherry-6

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| | |
|---------------------------|--|
| Name of post (number) | 02-Project Research Scientist Database (1 Nos) |
| Likely duration | 6 months |
| Consolidated remuneration | Rs 75,000/- per month (no other allowances are payable) |
| Project title | AI for early detection & management of cardiovascular diseases with novel multimodal signals & personalised medical records for streamlined clinical care. Consortium for AI & Remote Digital Interventions Against Cardiovascular Diseases in India CARDIAC-INDIA |
| Funding Agency | Ministry of Education GOI |
| Project investigator (PI) | Dr. Santhosh Satheesh |
| PI's department | Department of Cardiology |

Nature of work/responsibilities and expectations

Excellent communication skills in English and Tamil.

Develop, implement and maintain research standard operating procedures.

Monitor and supervise study staff.

Recording and documenting training of study staff maintain all documents and records related to the study.

Attend conference calls and all other meetings related to study.

Work with internal and external partners in data collection, quality assurance and control

Use of R, SPSS, MS Office, Google Sheets, access and understanding of database management as it relates to clinical research

Monitoring of electronic databases, resolving data queries

Excellent math abilities and working knowledge of data analysis/statistical methods

Duties assigned by PI, and other duties that arise from time to time

Eligibility criteria (Qualifications and experience)

Essential:

1. EDUCATION: First class Postgraduate degree in Biostatistics/Data Science
2. EXPERIENCE: Minimum 8 years experience in working in a research environment handling medical data
3. PUBLICATION: At least 2 PubMed-indexed journal publications.
4. LANGAUAGE: Ability to communicate in English and Tamil fluently

Desirable:

1. Experience in with working with Cardiovascular Disease data sets.
2. Experience with handling large data.

Maximum Age Limit: Not exceeding 35 years (as on last date of receipt of applications)



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| | |
|---------------------------|--|
| Name of post (number) | 03-Project Technician Cardiography (1 Nos) |
| Likely duration | 6 months |
| Consolidated remuneration | Rs 30,000/- per month (no other allowances are payable) |
| Project title | AI for early detection & management of cardiovascular diseases with novel multimodal signals & personalised medical records for streamlined clinical care. Consortium for AI & Remote Digital Interventions Against Cardiovascular Diseases in India CARDIAC-INDIA |
| Funding Agency | Ministry of Education GOI |
| Project investigator (PI) | Dr. Santhosh Satheesh |
| PI's department | Department of Cardiology |

Nature of work/responsibilities and expectations

Assist in screening and recruitment of participants.

Perform study-specific cardiac laboratory diagnostic procedures including ECG, echocardiography and other lab procedures

Entry of patients' details results in lab registers

Assist in maintaining lab inventory, laboratory supplies, lab documents

Any other study-related activities as assigned by PI

Eligibility criteria (Qualifications and experience)

Essential:

1. **EDUCATION:** First class Degree in BSc Cardiac Lab Technology
2. **EXPERIENCE:** Minimum 1-year experience in a Cardiology department in an academic institution or a clinical research unit, recruiting patients with heart disease or in a clinical department treating cardiac patients.
3. **SKILLS:** Ability to perform ECG, Holter, Echocardiography and assist in Cardiac Cath lab procedures. Ability to work with MS Word, Excel, PowerPoint, Email & Cloud Storage.
4. **LANGAUAGE:** Ability to communicate in English and Tamil fluently

Desirable:

Experience in working in research projects recruiting cardiac patients

Maximum Age Limit: Not exceeding 30 years (as on last date of receipt of applications)



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| | |
|---------------------------|--|
| Name of post (number) | 04-Project Technician Optometry (1 Nos) |
| Likely duration | 6 months |
| Consolidated remuneration | Rs 30,000/- per month (no other allowances are payable) |
| Project title | AI for early detection & management of cardiovascular diseases with novel multimodal signals & personalised medical records for streamlined clinical care. Consortium for AI & Remote Digital Interventions Against Cardiovascular Diseases in India CARDIAC-INDIA |
| Funding Agency | Ministry of Education GOI |
| Project investigator (PI) | Dr. Santhosh Satheesh |
| PI's department | Department of Cardiology |

Nature of work/responsibilities and expectations

- Assist in screening and recruitment of participants.
- Perform study-specific optometric procedures including imaging of the eye, iris and fundus other lab procedures
- Entry of patients' details results in study database
- Assist in maintaining lab inventory, laboratory supplies, lab documents
- Any other study-related activities as assigned by PI

Eligibility criteria (Qualifications and experience)

Essential:

1. EDUCATION: First class Degree in Bachelor of Optometry
2. EXPERIENCE: Minimum 1-year experience in an Ophthalmology department in an academic institution or a clinical research unit, recruiting/treating patients with eye disease
3. SKILLS: Ability to perform optometry, imaging of anterior chamber and fundus. Ability to work with MS Word, Excel, PowerPoint, Email & Cloud Storage.
4. LANGAUAGE: Ability to communicate in English and Tamil fluently

Desirable:

1. Experience in working with Fundus Camera
2. Experience in working in Retina Clinic

Maximum Age Limit: Not exceeding 30 years (as on last date of receipt of applications)



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| | |
|---------------------------|--|
| Name of post (number) | 05-Project Technician Medical Laboratory (1 Nos) |
| Likely duration | 6 months |
| Consolidated remuneration | Rs 30,000/- per month (no other allowances are payable) |
| Project title | AI for early detection & management of cardiovascular diseases with novel multimodal signals & personalised medical records for streamlined clinical care. Consortium for AI & Remote Digital Interventions Against Cardiovascular Diseases in India CARDIAC-INDIA |
| Funding Agency | Ministry of Education GOI |
| Project investigator (PI) | Dr. Santhosh Satheesh |
| PI's department | Department of Cardiology |

Nature of work/responsibilities and expectations

Helping and overseeing day-to-day lab activities in the laboratory
Sample collection, centrifugation and preparation
Packaging and transport of samples
Query rectification, Stock maintenance
Maintaining specimens, collection log and sample registers
Entering the barcoded samples and participant details in database.
Any other lab-related activities as assigned by PI
Extraction of DNA, RNA and biobank storage

Eligibility criteria (Qualifications and experience)

Essential:

1. EDUCATION: BSc Medical Lab Technology / MSc Biochemistry
2. EXPERIENCE: Minimum 1-year experience in a medical laboratory in an academic/research organization or a large hospital with phlebotomy, handling blood samples, with skills in the use of a cooling centrifuge.
3. LANGAUAGE: Ability to communicate in English and Tamil fluently

Desirable:

1. Experience in working in a research lab
2. DNA, RNA extraction techniques
3. Biobanking experience

Maximum Age Limit: Not exceeding 30 years (as on last date of receipt of applications)



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| | |
|---------------------------|--|
| Name of post (number) | 06 Project Technician Neurotechnology (1 Nos) |
| Likely duration | 6 months |
| Consolidated remuneration | Rs 30,000/- per month (no other allowances are payable) |
| Project title | AI for early detection & management of cardiovascular diseases with novel multimodal signals & personalised medical records for streamlined clinical care. Consortium for AI & Remote Digital Interventions Against Cardiovascular Diseases in India CARDIAC-INDIA |
| Funding Agency | Ministry of Education GOI |
| Project investigator (PI) | Dr. Santhosh Satheesh |
| PI's department | Department of Cardiology |

Nature of work/responsibilities and expectations

- Assist in screening and recruitment of participants.
- Perform study-specific procedures including coordination of imaging and other lab procedures for patients with suspected stroke
- Entry of patients' details results in the study database
- Assist in maintaining inventory, laboratory supplies, lab documents
- Any other study-related activities as assigned by PI

Eligibility criteria (Qualifications and experience)

Essential:

1. EDUCATION: First Class degree in BSc Neuro- Technology
2. EXPERIENCE: Minimum 1-year experience in Neurotechnology in an academic/research neurology unit or a large hospital
3. LANGAUAGE: Ability to communicate in English and Tamil fluently

Desirable:

1. Experience in research project
2. Experience in working with Stroke patients

Maximum Age Limit: Not exceeding 30 years (as on last date of receipt of applications)



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|---------------------------|--|
| Name of post (number) | 07 Project Research Nurse (1 Nos) |
| Likely duration | 6 months |
| Consolidated remuneration | Rs 30,000/- per month (no other allowances are payable) |
| Project title | AI for early detection & management of cardiovascular diseases with novel multimodal signals & personalized medical records for streamlined clinical care. Consortium for AI & Remote Digital Interventions Against Cardiovascular Diseases in India CARDIAC-INDIA |
| Funding Agency | Ministry of Education GOI |
| Project investigator (PI) | Dr. Santhosh Satheesh |
| PI's department | Department of Cardiology |

Nature of work/responsibilities and expectations

- Assist in screening and recruitment of participants.
- Perform study-specific procedures including review of participant medical records and history.
- Review the medical record processing outputs and ensure that the documents are of appropriate quality.
- Handle the helpline for participants.
- Any other study-related activities as assigned by PI

Eligibility criteria (Qualifications and experience)

Essential:

- EDUCATION: First Class degree in BSc Nursing
- EXPERIENCE: Minimum 1 year experience in research projects or experience as a nurse in an academic institution/reputed hospital AND experience in managing/recruiting patients with heart disease
- LANGAUAGE: Ability to communicate in English and Tamil fluently

Desirable:

- Research experience
- Working in a Cardiology department with ICU and Cathlab

Maximum Age Limit: Not exceeding 35 years (as of last date of receipt of applications)



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| | |
|---------------------------|--|
| Name of post (number) | 08 Project Finance Assistant (1 Nos) |
| Likely duration | 6 months |
| Consolidated remuneration | Rs 30,000/- per month (no other allowances are payable) |
| Project title | AI for early detection & management of cardiovascular diseases with novel multimodal signals & personalised medical records for streamlined clinical care. Consortium for AI & Remote Digital Interventions Against Cardiovascular Diseases in India CARDIAC-INDIA |
| Funding Agency | Ministry of Education GOI |
| Project investigator (PI) | Dr. Santhosh Satheesh |
| PI's department | Department of Cardiology |

Nature of work/responsibilities and expectations

Overall management of project funding, purchases, salary, account statements, periodic reports, and audits.

Processing of monthly salary for project staff.

Preparing procurement /tender/ bid documents and placing supply orders

Requesting cash advance, submission of bills, initiating payment to companies

Preparation of UC/SOE for the project along with Research Officer.

Preparing a budget for upcoming projects.

Coordinating with JIPMER Accounts Section/Finance wing as and when required.

Other work assigned by study PI

Eligibility criteria (Qualifications and experience)

Essential:

1. EDUCATION: M.com/MBA (Finance)/CMA (inter) CA (inter) graduate
2. EXPERIENCE: Minimum 1-year experience in administration/finance and accounts work
3. LANGAUAGE: Ability to communicate in English fluently

Desirable:

1. Knowledge of Government rules & regulations and working knowledge in a computerized environment.
2. Experience in electronic project fund management, audits, and annual UC/SOE preparation.
3. Experience in government purchase procedures and bill processing. Skills in MS Office, Excel, MS Word, and Cloud storage

Maximum Age Limit: Not exceeding 35 years (as on last date of receipt of applications)



Advertisement for Recruitment to Project Posts (on Contract)

| | |
|------------------------------|--|
| Name of post (number) | 09 Project Software Engineer- Full Stack Developer (1 Nos) |
| Likely duration | 6 months |
| Consolidated remuneration | Rs 35,000/- per month (no other allowances are payable) |
| Project title | AI for early detection & management of cardiovascular diseases with novel multimodal signals & personalised medical records for streamlined clinical care. Consortium for AI & Remote Digital Interventions Against Cardiovascular Diseases in India CARDIAC-INDIA |
| Funding Agency | Ministry of Education GOI |
| Project investigator (PI) | Dr. Santhosh Satheesh |
| PI's department | Department of Cardiology |

Nature of work/responsibilities and expectations

- Develop and maintain the server-side logic of web applications
- Work with databases (SQL or NoSQL) to store and retrieve data efficiently.
- Implement security measures to protect sensitive data and prevent unauthorised access.
- Troubleshoot and debug issues across the application stack
- Participate in project planning and design discussions.
- Collaborate with designers, product managers, and other developers to deliver high-quality software solutions.
- Proactively identify areas for improvement and implement best practices in the project.

Eligibility criteria (Qualifications and experience)

Essential:

1. EDUCATION: A degree in Btech/BE Computer Science /MCA
2. EXPERIENCE: Minimum 1 year experience in software development, from conception to deployment and maintenance, with expertise in both front-end and back-end technologies.
3. LANGAUAGE: Ability to communicate in English fluently

Desirable:

1. Experience in working with Medical Software
2. Managing personally identifiable information

Maximum Age Limit: Not exceeding 30 years (as on last date of receipt of applications)



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Advertisement for Recruitment to Project Posts (on Contract)

| | |
|------------------------------|--|
| Name of post (number) | 10. Project Software Engineer -Mobile Applications (1 Nos) |
| Likely duration | 6 months |
| Consolidated remuneration | Rs 35,000/- per month (no other allowances are payable) |
| Project title | AI for early detection & management of cardiovascular diseases with novel multimodal signals & personalized medical records for streamlined clinical care. Consortium for AI & Remote Digital Interventions Against Cardiovascular Diseases in India CARDIAC-INDIA |
| Funding Agency | Ministry of Education GOI |
| Project investigator (PI) | Dr. Santhosh Satheesh |
| PI's department | Department of Cardiology |

Nature of work/responsibilities and expectations

Translate design mock-ups and specifications into functional mobile applications.

Develop user interfaces that are intuitive, responsive, and adhere to platform-specific design guidelines.

Implement application logic, data storage, and network communication.

Conduct thorough testing of mobile applications to ensure stability, performance, and functionality.

Diagnose and resolve bugs and performance issues.

Participate in project planning and design discussions.

Collaborate with designers, product managers, and other developers to deliver high-quality software solutions.

Eligibility criteria (Qualifications and experience)

Essential:

1. EDUCATION: First class in BTech/BE Computer Science /MCA
2. EXPERIENCE: Minimum 1 year experience in designing, developing, and deploying mobile applications with a focus on user experience and performance.
3. LANGAUAGE: Ability to communicate in English fluently

Desirable:

1. Experience with mobile development tools and environments (Flutter/Android Studio)
2. Developed/maintained medical apps

Maximum Age Limit: Not exceeding 30 years (as on last date of receipt of applications)



Advertisement for Recruitment to Project Posts (on Contract)

| | |
|------------------------------|--|
| Name of post (number) | 11. Project Software Engineer- Front-end developer UI/UX (1 Nos) |
| Likely duration | 6 months |
| Consolidated remuneration | Rs 35,000/- per month (no other allowances are payable) |
| Project title | AI for early detection & management of cardiovascular diseases with novel multimodal signals & personalized medical records for streamlined clinical care. Consortium for AI & Remote Digital Interventions Against Cardiovascular Diseases in India CARDIAC-INDIA |
| Funding Agency | Ministry of Education GOI |
| Project investigator (PI) | Dr. Santhosh Satheesh |
| PI's department | Department of Cardiology |

Nature of work/responsibilities and expectations

Transform UI/UX designs (wireframes, mockups, prototypes) into clean, efficient, and interactive web interfaces.

Ensure that the implementation adheres to UI/UX best practices and accessibility standards.

Contribute to the improvement of UI/UX designs by providing feedback from a development perspective.

Possess a strong command of front-end technologies like HTML, CSS, JavaScript

Write clean, well-documented, and maintainable code.

Optimise front-end performance for fast loading times and smooth user interactions.

Understand the target audience and their needs to create user-centred interfaces.

Consider usability, accessibility, and overall user experience in every stage of development.

Conduct user testing and gather feedback to identify areas for improvement.

Eligibility criteria (Qualifications and experience)

Essential:

1. First Class degree in Btech/BE Computer Science /MCA
2. Minimum 1 years experience in developing software/mobile applications with a focus on user interface (UI) and user experience (UX)
3. LANGUAGE: Ability to communicate in English fluently

Desirable:

1. Experience in UI/UX work in healthcare fields
2. Expertise in UI/UX work in mobile applications and dashboards in healthcare

Maximum Age Limit: Not exceeding 30 years (as on last date of receipt of applications)



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Eligible and interested candidates are requested to email the filled application form (attached), along with CV and supporting documents (scanned in one pdf) to the **Email ID: cardiacindiajipmer@gmail.com**

Notes:

- **Applications not in the prescribed format will not be processed or accepted.**
- Please mention the name of the post applied for in the email subject line.
- The PDF file should be named as: **“Candidate name_Post-name_year_application”**. e.g. **“James_DEO_2023_application”**.
- **For posts 01 and 02** walk-in interviews will be conducted on **Friday 22 November 2024**. Reporting time is **10 am** at Department of Cardiology JIPMER. After verification of the application forms shortlisted candidates will be interviewed. Applicants are requested to send the filled in application forms and its attachments to the email to streamline the interview process.
- **For posts 03 to 11** *the last date for sending complete applications* by email up to **5 pm on 22 Nov 2024**
- For those wishing to apply for two or more different posts, a separate application form must be filled in for each post and scanned and sent with the necessary enclosures in separate emails.

Applicants for posts 03 to 11 will be shortlisted based on the details furnished in the application, CV, and the documentary proof provided. The list of eligible candidates and date of interview/written test will be sent to the individual candidates via email and also be displayed on the JIPMER website. The final selection will be based on CV, application, and written test/interview.

EVALUATION CRITERIA:

After the evaluation of the application form, the recruitment process will be as follows

If there are 5 or fewer eligible candidates, the interview will be conducted based on the nature of the post. If there are more than 5 candidates, a written test followed by an interview of the top 5 candidates in the written test will be done.

a. Written test *syllabus will be based on the qualifying degree*

b. The interview *will be based on the qualifications for the post and the experience of the candidate*

TERMS AND CONDITIONS:

1. This position is *purely on contract basis for an externally sponsored project, and the person engaged will have no claim to any regular post in JIPMER at any time.* Further, the position is only for the duration of the project and based purely on external funding support for the project.
2. The engagement may be extended or curtailed at discretion of the Project Investigator.
3. Qualification and experience should be in a relevant discipline/field and in a reputed institution/organization. The experience should have been gained *after acquiring the essential qualification.*
4. Qualification, experience, other terms, and conditions may be relaxed/ altered at the discretion of the Principal Investigator.
5. Valid email ID and mobile number are compulsory.
6. Consolidated salary of the post may vary from time to time. No other allowance/facilities other than consolidated salary shall be extended.



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7. Submission of wrong or false information at any stage during the process of selection or canvassing of any kind will lead to disqualification or even termination if detected after the person has been engaged.
8. Only shortlisted candidates will be called for a written test and/or interview. Decision of the Project Investigator will be final. If the number of applications is very large, more stringent criteria than those specified above may be used to determine eligibility.
9. No TA/DA will be paid for attending the interview.
10. Incomplete applications and applications that are not in the prescribed format and those that do not fulfil the essential criteria above are likely to be summarily rejected. Candidates may attach their CVs with the application form. *However, applications with CV alone and without the prescribed form and certificates will be rejected.*

Interviews for the post may be conducted in person or via videoconferencing, at the discretion of the Principal Investigator. In the latter case, it will be the individual candidate's responsibility to ensure access to a suitable device (computer/ laptop/ mobile) with audio and camera facilities, and an adequate internet connection.

Date and time of walk in interview for the posts 01 and 02 will be FRIDAY 22 Nov 2024 10 am

Date and time of interview/written tests for posts 03 to 11 will be between 25 and 30 Nov 2024- exact dates and list of eligible candidates will be displayed in JIPMER website on 23 Nov 2024.

Dr Santhosh Satheesh

Principal Investigator

CARDIA-India Project

Professor & Head

Department of Cardiology, JIPMER

cardiacindiajipmer@gmail.com