



**ICMR-National Institute of Pathology  
Safdarjung Hospital Campus, Ansari Nagar West, New Delhi-110029**

**VACANCY NOTIFICATION FOR TEMPORARY/PROJECT POSTS**

**ADVT No. ICMR/AIT/UA/23/1005**

**DATED:27/10/2023.**

The Institute intends to engage following project human resource positions for its ICMR funded research project entitled “**Artificial intelligence-based tool for detection of Breast & Oral cancer**” PI (Dr. Usha Agrawal). The posts are to be filled on purely temporary basis at ICMR-NIP for one-year, extendable up to two years or till the completion of project based on performance.

**Online Applications are invited in the prescribed proforma, on or before 15<sup>th</sup> November 2023, 5:30 pm** for the following vacancies. All applications will be screened, and only shortlisted candidates will be invited for interview. **The interview will be conducted in online mode, via Zoom platform on 20<sup>th</sup> November 9:30 am onwards.** The link for the same will be shared later.

Required qualifications and other details are given below.

**The details of the posts are as follows:**

<b>S.No. 1</b>	<b>Consultant (AI Expert)</b>
Name of the Post	Consultant (AI Expert)
No. of Post(s)	<b>One</b>
Place of posting	<b>IIT, Bombay</b>
Monthly Emoluments	<b>Rs. 70,000/- per month (consolidated)</b>
Age Limit	Not exceeding 70 Years of age
Essential Qualification & Experience	Professionals having M.Sc./ M. Tech/ PhD. or a relevant postgraduate degree with experience in Artificial Intelligence / Data Science/ CSE/ IT/ ECE/ Biomedical engineering or related discipline with research and development experience and published papers. <p style="text-align: right;">OR</p> Professionals having B.Sc./ B. Tech or a relevant graduate degree with proven extensive experience in Artificial Intelligence / Data Science/ CSE/ IT/ ECE/ Biomedical engineering or related discipline with research and development experience and published papers. <p style="text-align: center;">OR</p> Retired Government employees drawing pay in a minimum pay band Rs. 15600-39100 + Grade pay of 5400/-at the time of retirement and having adequate working experience in the required domain/field.



Desirable	<ul style="list-style-type: none"> <li>I. Proven experience in formulation of artificial Intelligence tools and application for health</li> <li>II. Skills required: MySQL, R, Python, pytorch/TensorFlow, and cloud technology.</li> <li>III. Experience in medical image analysis</li> <li>IV. Ability to lead and work in a team</li> </ul>
Job specification	<p><b>Consultant</b> appointed under this research scheme would be responsible for</p> <ol style="list-style-type: none"> <li>1. Training, guiding, supervising, and assisting AI engineers, data scientists and application developer for development of a deployable and serviceable algorithm and application based on digital images.</li> <li>2. Development of minimal viable product from model development to model testing.</li> <li>3. Creating user interface to display in-depth view of the models.</li> <li>4. Testing and deploying of the models.</li> <li>5. Implementation &amp; application monitoring</li> <li>6. Looking over the overall needs of the AI project</li> </ol>

<b>S.No. 2</b>	<b>Consultant (Application Developer)</b>
Name of the Post	Consultant (Application Developer)
No. of Post(s)	<b>One</b>
Monthly Emoluments	<b>Rs. 70,000/- per month (consolidated)</b>
Place of posting	<b>ICMR-National Institute of Pathology, Safdarjung hospital campus Delhi</b>
Age Limit	Not exceeding 70 Years of age
Essential Qualification & Experience	<p>Professionals having M.Sc./ M. Tech/ PhD. or a relevant postgraduate degree with experience in Artificial Intelligence / Data Science/ CSE/ IT/ ECE/ Biomedical engineering or related discipline with research and development experience and published papers.</p> <p style="text-align: center;">OR</p> <p>Professionals having B.Sc./ B. Tech or a relevant graduate degree with proven extensive experience in Artificial Intelligence / Data Science/ CSE/ IT/ ECE/ Biomedical engineering or related discipline with research and development experience and published papers.</p> <p style="text-align: center;">OR</p> <p>Retired Government employees drawing pay in a minimum pay band Rs. 15600-39100 + Grade pay of 5400/-at the time of retirement and having adequate working experience in the required domain/field.</p>



Desirable	<p>I. Able to effectively work in web application development and database designing.</p> <p>II. Experience of designing computer and mobile-based applications.</p> <p>III. Experience in Data Management</p> <p>IV. Skills required: PHP, MySQL, HTML, CSS, R, Python, and cloud technology.</p> <p>V. Candidates must have good communication skills.</p>
Job specification	<p><b>Consultant</b> appointed under this research scheme would be responsible for</p> <ol style="list-style-type: none"> <li>1. Maintaining web portal, database, and be efficient in data management and analysis</li> <li>2. Formulating design strategy to draw out a workable application design and coding parameters with the essential functionalities.</li> <li>3. Developing working models to streamline the process.</li> <li>4. Supervising and conducting the performance test and trials</li> <li>5. Deployment and installation of the applications to demonstrate the successful performance of software.</li> </ol>

<b>S.No. 3</b>	<b>Scientist 'D' - Data scientist</b>
Name of the Post	Scientist 'D' - Data scientist
<b>Place of posting</b>	<b>IIT, Bombay</b>
No. of Post(s)	<b>One</b>
<b>Monthly Emoluments</b>	<b>Rs 60,960/per month (consolidated)</b>
Age Limit	Not exceeding 45 Years of age
Essential Qualification Experience	<p>Professionals having M.Sc./ M. Tech/ Ph.D. or a relevant graduate/ post-graduate degree with experience in Computer science/ Data Science/ Data Analytics/ CSE/ IT/ ECE/ bioinformatics or related discipline with research and development experience and published papers.</p> <p style="text-align: center;">OR</p> <p>Professionals having B.Sc./ B. Tech or a relevant graduate degree with proven extensive experience in Artificial Intelligence / Data Science/ CSE/ IT/ ECE/ Biomedical engineering or related discipline with research and development experience and published papers</p>
Desirable	<ol style="list-style-type: none"> <li>I. Proven experience in Python/ R/ Prolog / MYSQL Programming Languages</li> <li>II. Proven experience in formulation of Artificial Intelligence tools and Applications</li> <li>III. Proven working knowledge of statistical software like SPSS etc.</li> </ol>



Job specification	<p><b>Scientist D</b> appointed under this research scheme would be responsible for</p> <ol style="list-style-type: none"> <li>1. Preparing, cleaning, transform, and explore data before analysis.</li> <li>2. Data mining to generate new information.</li> <li>3. Making the choice and implementing an appropriate machine learning algorithm</li> <li>4. Using statistical modeling and machine learning techniques to measure and improve the outcome of a model.</li> <li>5. Tuning and optimize model hyper parameters.</li> <li>6. Using analytical methods and machine learning models to identify trends, patterns, and correlations in datasets.</li> <li>7. Collaborating with data analysts, AI engineers, and pathologists</li> <li>8. Communicating the insights to pathologists and AI engineers</li> </ol>
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<b>S.No. 4</b>	<b>Scientist 'D' - Artificial Intelligence Expert</b>
Name of the Post	Scientist 'D' - Artificial Intelligence Expert
No. of Post(s)	<b>One</b>
Place of posting	<b>ICMR-National Institute of Pathology, Safdarjung hospital campus New Delhi</b>
Monthly Emoluments	<b>Rs 60,960/per month (consolidated)</b>
Age Limit	Not exceeding 45 Years of age
Essential Qualification & Experience	<p>Professionals having M.Sc./ M. Tech/ Ph.D. or a relevant graduate/ post-graduate degree with experience in Computer science/ Data Science/ Data Analytics/ CSE/ IT/ ECE/ bioinformatics or related discipline with research and development experience and published papers.</p> <p>OR</p> <p>Professionals having B.Sc./ B. Tech or a relevant graduate degree with proven extensive experience in Artificial Intelligence / Data Science/ CSE/ IT/ ECE/ Biomedical engineering or related discipline with research and development experience and published papers.</p>
Desirable	<ol style="list-style-type: none"> <li>I. Proven experience in formulation of artificial Intelligence tools and application for health</li> <li>II. Experience in medical image analysis</li> <li>III. Ability to work in a team</li> </ol>
Job specification	<p><b>Scientist D</b> appointed under this research scheme would be responsible for</p> <ol style="list-style-type: none"> <li>1. Creating and deploying AI algorithms to function.</li> <li>2. Developing Application programming interface to integrate data products and source into applications.</li> <li>3. Using Docker technologies to create deployable versions of the model.</li> </ol>



	<p>4. Building Infrastructure as Code – Ensure that the environments created during model development and training can be replicated with ease for the final AI-based solution.</p> <p>5. Developing and maintaining architecture using leading AI frameworks.</p> <p>6. Using tools like GIT and TFS for continuous integration and versioning control to track model iterations and other code updates.</p> <p>7. Testing and deploying models</p>
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### **Terms of Contractual Appointment**

1. The interested candidates may apply only online with the links as given against the post or given below by **5.30 PM on or before 15.11.2023**. No other mode of application will be accepted.

S. No.	Post	Post Code	Link to apply
1.	<b><u>Consultant (AI Engineer)</u></b>	AIT/C/AI	<a href="https://forms.gle/KHNBHrCeYjvHTNog8">https://forms.gle/KHNBHrCeYjvHTNog8</a>
2.	<b><u>Consultant (Application Developer)</u></b>	AIT/C/AD	<a href="https://forms.gle/NbwjjiDhCrFTU61U7">https://forms.gle/NbwjjiDhCrFTU61U7</a>

3.	<b><u>Scientist 'D' - Data scientist</u></b>	AIT/Sc/DS	<a href="https://forms.gle/8Rx1tcEQirauQbec9">https://forms.gle/8Rx1tcEQirauQbec9</a>
4.	<b><u>Scientist 'D' - Artificial Intelligence Engineer</u></b>	AIT/Sc/AI	<a href="https://forms.gle/sijqMUpfQ7eXtrbr5">https://forms.gle/sijqMUpfQ7eXtrbr5</a>

2. The candidates should upload one set of photocopies of self-attested documents viz. (Academic Degrees/Certificates, Professional Degrees/Certificates, Experience, Aadhar Card, Caste Certificate (if applicable) a **single PDF file**. The applications not in the prescribed format will be summarily rejected.
3. The contractual appointment will be made initially for one year and extendable till the completion of project based on performance.
4. Separate application forms should be submitted if a candidate wish to apply for more than one post.
5. The recruited project staff are eligible for leave as per project rules and will have to give an undertaking at the time of joining.
6. The interviews for the advertised posts will be conducted in virtual mode via video conferencing and the date of which shall be intimated later via email to the shortlisted candidates only.
7. The conditions for employment will be same as that of the ICMR project staff on contract basis. Candidates working/have worked under project in ICMR institutes/centers will be given 'One time'



age relaxation, as per the Institute rules and regulations.

- 8. Age, qualification, experience etc. will be reckoned as on the last date of submission of application form. Age relaxation will be applicable as per GOI rules.**
9. Hostel accommodation of any kind is not available with the Institute.
10. Number of positions may vary. The selected candidates are also expected to/may be required to travel to Delhi or other centers for training.
11. These positions are meant for temporary projects and co-terminus with the project.
12. Engagement of the above advertised Project Human Resource Positions will depend upon availability of funds, functional requirements, and approval of the Competent Authority. Therefore, we are not committed to fill up all the advertised Project Human Resource Positions and the process is liable to be withdrawn/ cancelled/ modified at any time.
13. Qualification & Experience should be in relevant discipline/ field and from an Institution of repute. Experience should have been gained after acquiring minimum essential qualification.
14. Mere fulfilling the essential qualification does not guarantee the selection.
15. Persons already in regular time scale service under any Government Department/ Organizations are not eligible to apply.
16. No TA/DA will be paid to attend the Interview/ Personal discussion and candidates must arrange transport/ accommodation themselves.
17. ICMR-NIP reserves rights to consider or reject any application/ candidature, without assigning any reason.
18. Submission of false or wrong information during the process of selection shall disqualify the candidature at any stage.
19. The persons engaged on Project Human Resource Positions cannot be permitted to register for Ph.D., due to time constraints.
20. The persons engaged on Project Human Resource Positions will normally be posted at the study site; however, they can be posted to any other site in the interest of research work. They are liable to serve in any part of the country.
21. The persons engaged on Project Human Resource Positions shall not have any claim on a regular post in ICMR or in any of its institutes/ Centers or in any Department of Government of India and their project term with breaks or without breaks in any of the multiple projects will not confer any right for further assignment or transfer to any other project or appointment/ absorption/ regularization of service in funding agency or in ICMR-NIP.
22. Benefits of Provident Fund, Pension Scheme, Leave Travel Concession, Medical claim, Staff Quarters, and other facilities applicable to regular staff of ICMR etc. are not admissible to the Project Human Resource Positions.
23. Successful candidates will normally be engaged on Project Human Resource Positions initially for a period of one year or less, depending upon the tenure of the project and functional requirements.
24. Continuation/ Extension to engagement of Project Human Resource Positions will be depending upon evaluation of performance, tenure of the project, availability of funds, functional requirements, and approval of competent authority.
25. The maximum term of any Project Human Resource Position in any or multiple projects, with breaks or without breaks shall be five years only.
26. ICMR-NIP reserves the right to terminate the Project Human Resource Position even during the agreed contract period or extended contract period without assigning any reason.
27. Corrigendum/ addendum/ further information; if any; in respect of this advertisement, will be



published on our website only. Hence, the candidates are advised to visit our websites:  
[www.instpath.gov.in](http://www.instpath.gov.in) and [www.icmr.nic.in](http://www.icmr.nic.in) regularly for further updates related to this advertisement.

**Director  
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