

ADVT. NO.: 04/2021

(APPLY ON OR BEFORE JANUARY 25, 2021)

[Position under Funded Project purely on Temporary and Contractual Basis]

Indian Institute of Science Education and Research Pune is a premier autonomous Institution established by the Ministry of Education, Government of India, for promotion of high quality science education and research in the country.

Institute invites applications from Indian nationals having excellent academic record for the following position purely on temporary and contractual basis under the funded project:

Post Code	1
Name of the Post	Senior Domain Expert (Molecular Biology/Cell Biology/ Physiology/ Clinical Sciences/ Pharmaceutical Sciences)
Number of posts	01 (One)
Name of the Project	"Manav – Human Atlas Initiative"
Funding agency	Department of Biotechnology (DBT), Govt. of India.
Project Code	30818410
Minimum Educational Qualification	Ph.D. in any branch of Life Sciences OR MD (in any branch of Medicine) OR Equivalent degree with relevant specialization
Preference	Candidates having minimum 4 years of Post-Doctoral research experience preferred. Experience in systems biology and / or data network building; DATA management, network analysis and DATA evaluation with good communication skills will be preferred.
Job requirement	The incumbent is expected to 1) Collate information on cell / molecular biology / physiology / clinical biology / pharmaceutical science perspectives to assist in the design of the annotation tool. 2) Work with other senior domain experts to establish a rigorous modality for the selection of publications and the evaluation of the annotated literature. 3) Contribute to designing structure, and evaluating performance and functionality of the annotated data and its visualization as networks and animations. 4) Utilize data networks to identify areas of relevance in understanding cellular function, behaviour and molecular crosstalk. 5) Determine strategies for this area and integrating the same with other areas represented.

	6) Set timelines and milestones for the progress of the project at each level.
Tenure of the appointment	Initially for a period of 9 months, extendable for further period subject to satisfactory performance of the incumbent and continuation of the project.
Consolidated emoluments	Rs. 1,00,000 /- per month
Age	Not more than 45 years as on last date of application

Post Code	2
Name of the Post	Domain Expert (Data Integration And Machine Learning)
Number of posts	01 (One)
Name of the Project	"Manav – Human Atlas Initiative"
Funding agency	Department of Biotechnology (DBT), Govt. of India.
Project Code	30818410
Minimum Educational Qualification	BE / B. Tech. / M.Sc. / Ph.D. or equivalent degree.
Preference	Candidates having minimum 2 years of good experience in Machine Learning (ML)/Natural Language Processing (NLP)/Text Mining using Python, R, Perl and Linux with Good communication skills will be preferred.
Job requirement	The incumbent is expected to <ul style="list-style-type: none"> 1) Work under the supervision of a computer data scientist (from Persistent Systems) to implement various ML/NLP methods for the scientific literature mining. 2) Develop and test various machine-learning models to make Manav platform robust. 3) Work in close collaboration with computer data scientists and software development team. 4) Be expertise in various ML/NLP libraries in Python, R, Perl and Linux. 5) Carry out programming, algorithm development and analysis.
Tenure of the appointment	Initially for a period of 9 months, extendable for further period subject to satisfactory performance of the incumbent and continuation of the project.
Consolidated emoluments	Rs. 75,000 /- per month
Age	Not more than 40 years as on last date of application

Post Code	3
Name of the Post	Domain Expert (Science Communication Expert / Scientific Content Design / Public Engagement)
Number of posts	01 (One)
Name of the Project	"Manav – Human Atlas Initiative"
Funding agency	Department of Biotechnology (DBT), Govt. of India.
Project Code	30818410
Minimum Educational Qualification	Ph.D. in any field of Life Science / Data Science with a strong background in science communication, scientific content design or public engagement.
Preference	Candidates having minimum 2 years of experience with strong background in science communication, scientific content design, scientific writing, public science engagement will be preferred. Experience in data science will be an added advantage and preferred.
Job requirement	The incumbent is expected to <ul style="list-style-type: none"> 1) Interact with the other teams to understand the workings of the MANAV platform and help assimilate the same to design teaching modules, communication material that will allow us to bring the MANAV platform to teachers and students in colleges across the country. 2) Help in designing and organizing workshops for teachers and students to communicate the use of the MANAV platform under the supervision of the Senior Domain Expert. 3) Be an important coordinator for events like BIOTHONS which will involve mass engagement with students working on the Manav platform. In doing so you will work closely with Domain Analysts and the administrative team. 4) Be in charge of developing and helping implement the rewards program that will support the Manav initiative. This will be done in close consultation with the Senior Domain Expert.
Tenure of the appointment	Initially for a period of 9 months, extendable for further period subject to satisfactory performance of the incumbent and continuation of the project.
Consolidated emoluments	Rs. 75,000 /- per month
Age	Not more than 40 years as on last date of application

Post Code	4
Name of the Post	Domain Expert (Molecular Biology/Cell Biology/ Physiology / Clinical Sciences / Pharmaceutical Sciences)
Number of posts	01 (One)
Name of the Project	"Manav – Human Atlas Initiative"
Funding agency	Department of Biotechnology (DBT), Govt. of India.
Project Code	30818410
Minimum Educational Qualification	Ph.D. in any branch of Life Sciences OR MD (in any branch of Medicine) OR Equivalent degree with relevant specialization
Preference	Candidates having minimum 2 years of Post-doctoral research experience in Molecular Biology/Cell Biology/ Physiology / Clinical Sciences / Pharmaceutical Sciences. Experience in systems biology, data science or data network building will be preferred.
Job requirement	The incumbent is expected to <ol style="list-style-type: none"> 1) Work with the Senior Domain Expert to help assimilate the necessary information from clinical and pharmaceutical sciences to needed for the design of the annotation tool. 2) Work to create the rigorous modality needed for selection of papers and evaluation of the annotated literature under the guidance of the senior domain expert. 3) Contribute to selecting papers that will be used for annotation along with the senior domain expert; interface with the annotation and software development team to ensure smooth integration of the scientific and data requirements of the project. 4) Share the requirements and suggest enhancements if any to the MANAV platform development team to ensure that the quality requirements of the scientific team are met. 5) Train and coordinate the work of Domain Analysts to ensure that quality and performance are both maintained in selection and annotation of papers. 6) With the communication and outreach team to comment on the design of teaching modules that will eventually be used to communicate this platform to teachers and students; contribute to these teaching workshops as needed.
Tenure of the appointment	Initially for a period of 9 months, extendable for further period subject to satisfactory performance of the incumbent and continuation of the project.
Consolidated emoluments	Rs. 75,000 /- per month
Age	Not more than 40 years as on last date of application

HOW TO APPLY:

- Interested candidates fulfilling the eligibility criteria may apply online. Click on the link “**Apply Online**” (just below this advertisement) to apply for the post. Kindly upload a copy of CV (PDF format) while filing online application Form. The last date for filing online applications is **January 25, 2021**.

NOTE: Candidates applying for the multiple positions need to fill different forms for each position.

- List of shortlisted candidates for selection process (to be carried out preferably over video call) with details of date & time will be put up on the institute website below this advertisement and the shortlisted candidates will be informed by **e-mail** only. Therefore, please mention active Mobile Number and Email ID in the application form.
- Recent passport size photograph and photocopies of relevant certificates and other testimonials in support of age, qualification, experience etc. will be collected and verified at an appropriate stage.

General Information / details about the posts

1. The appointment is purely temporary and will terminate automatically without any notice or compensation on termination of the project.
2. The appointed person shall have no claim of appointment / absorption in Funding Agency or in IISER Pune.
3. The appointment of the applicant will be governed by the terms and conditions of the funding agency particularly applicable to the said project.
4. The qualification prescribed should have been obtained from recognized Universities / Institutions.
5. The prescribed educational qualification is the bare minimum and mere possession of same does not entitle candidates to be called for selection process. Where number of applications received in response to this advertisement is large, it may not be convenient or possible to carry out selection process for all the candidates. Based on the recommendations of the Screening Committee, the Project Investigator may restrict the number of candidates to be called for the selection process to a reasonable limit after taking into consideration qualification/s and experience/s over and above the minimum prescribed in the advertisement. Therefore, it will be in the interest of the candidates, to mention all the qualifications and experience in the relevant field at the time of applying.
6. Age relaxation commensurate with relevant experience of the applicant may be considered with the prior approval of the competent authority.
7. No TA/DA will be admissible for appearing for the interview.
8. No interim enquiries / correspondence / communication of any sort will be entertained on the matter.
9. Canvassing in any form and / or bringing any influence, political, or otherwise, will be treated as a disqualification for the post applied for.

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