



THE INSTITUTE OF MATHEMATICAL SCIENCES

(An Autonomous Institution, under Dept. of Atomic Energy, Govt. of India)

4th Cross Road, CIT Campus, Taramani, Chennai 600 113.

राजतीय विज्ञान संस्थान



TECHNOLOGIES FOR
NEW INDIA @ 75
आज की ओर अग्र महोत्सव

विज्ञान संस्था / Advt No.22-R/IMSc/2024

Dated:28/6/2024

The Institute of Mathematical Sciences (IMSc), Chennai is a National Institute of higher learning which fosters high quality fundamental research in frontier disciplines of Mathematical Sciences. IMSc has intensive teaching programme for award of M.Sc (by Research) and Ph.D. Degree.

TABLE – I : PROJECT POSITIONS

Applications are invited for filling up the following Project positions under the Apex Project of the Institute on consolidated salary from the eligible candidates who fulfill requisite qualifications/ specifications mentioned therein. The position indicated under the project, are proposed to be filled purely on contract basis only upto 25.11.2024 from the date of appointment. There is a possibility of extension subject to mutual satisfaction and availability of funding. There is no possibility of regularization and absorption.

Sl. No	Title of the Sub Project	Name of the Project Position	Number of positions	Selection Method	Minimum Educational Qualifications & Experience	Consolidated Salary (all inclusive & no other allowances are allowed) p.m	Mail Id to which CV and a statement of research interest to be sent	Last date for submission of applications for each position	Date of written test / interview
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	IMSc Centre for Disease Modeling	Research Associate (A)	1	Shortlisting of candidates followed by on-line interview	Essential Qualification PhD degree in Physics, Chemistry, or Mathematics from a reputed university or Institute. The candidate should have at least two publications in	Rs.73,500	schoubey1521@gmail.com	10/7/2024	Will be informed later.

					respected journals. Knowledge of machine learning and dynamical systems theory is required.				
2	IMSc Centre for Disease Modeling	Research Associate (B)	1	Shortlisting of candidates followed by on-line interview	Essential Qualification PhD (or submitted PhD thesis) in science, engineering or mathematics, with at least 2 publications in respected journals in bioinformatics/ computational biology Familiarity with next generation sequencing pipelines and file formats including RNA-seq, CHIP-seq. Programming expertise in Python or R. The selected candidate will work with Prof. Rahul Siddharthan.	Rs. 53,000/- for those who submitted or defended Ph.D. Thesis Rs. 73500/- for those who obtained Ph.D. Degree	Google form: https://forms.gle/oCVsflpcntsZQHfV6	10/7/2024	Will be informed later.
3	IMSc Centre for Disease Modeling	Project Assistant	1	Shortlisting of candidates followed by on-line interview	Essential Qualification: Master's degree (or) 4-year bachelor's degree in any field of science, engineering or mathematics. Essential skills: Familiarity with python or R programming, familiarity with basic bioinformatic data and file formats, familiarity with NGS assays and in particular RNA-seq	Rs. 46,500/- for those with M.Sc. or 4-year BS/equivalent Degree without experience Rs. 53,000/- for those with M.Sc. Degree with two or more years of experience	Google form: https://forms.gle/d5ChBcVCpvpIU737A	10/7/2024	Will be informed later

				Project overview: Studying the transcriptional regulation from single-cell data. This will involve integrating diverse sources of high-throughput data from public databases and developing new algorithms to learn from them. The selected candidate will work with Prof. Rahul Siddharthan.					
4	Computational Biology at IMSc	Project Assistant (A)	1	Shortlisting of candidates followed by online interview	<p>Essential Qualification: M. Tech in Biotechnology from a reputed institution with at least 2 years experience post-M.Tech in a research lab.</p> <p>Desirable qualifications: Proficient in Cellular and Molecular Biology experimental techniques.</p> <p>The selected candidate will work with Prof. Sitabhra Sinha and his experimental collaborators in Chennai.</p>	Rs.53,000/-	https://forms.gle/89P6Ddq5m68ugxZMi8	10/7/2024	15/07/2024
5	Computational Biology at IMSc	Project Assistant (B)	1	Written test followed by Interview for short listed candidates on the same day.	<p>Essential Qualification B.Sc in Physics or Mathematics from a reputed institution with knowledge of computational techniques. Should know programming.</p>	Rs. 26500/- for those with B.Sc. Degree without experience. Rs. 46,500/- for those with B.Sc. Degree with two or more years of experience.	https://forms.gle/bwpmU8Y2HVCTqbdFA	10/7/2024	July 22, 2024

				<p>Desirable qualifications: Proficient in Graphic Design and/or Scientific Visualization. The selected candidate will work with Prof. Sitabhra Sinha.</p>					
6	<p>High Energy Physics (Phenemology) (Limited period of 3 months)</p>	Project Assistant	1	<p>Shortlisting of candidates followed by online interview</p>	<p>Educational Qualification : Bachelor's Degree in Science / Library Science</p> <p>Desirable : Capability, proficiency and experience in writing / editing of scientific reports and manuscripts</p>	Rs.21,000/-	phep@imsc.res.in	10/7/2024	Will be informed later
7.	<p>Quantum materials: geometry, topology and strong correlations</p>	Project Assistant	1	<p>Shortlisting of candidates followed by online interview</p>	<p>Educational Qualification: Masters degree in Physics from a reputed university or institute by July/August, 2024 Good knowledge about quantum field theory and renormalisation. JEST rank below 200 within last 3 years. At least one publication in a reputed journal.</p>	Rs.46,500/-	parthomukherjee30@gmail.com	10/7/2024	Will be informed later

BI AGE LIMIT : The Candidates should be less than 40 years of age as on the last date of receipt of applications for the above positions except (6).

CI GENERAL INFORMATION :

Interested candidates are requested to send a brief e-mail by attaching therewith their latest resume to unique e-mail id or Google Link as mentioned at Col (8) against the Project positions in the above table **on or before 23.59 hrs on the date mentioned at Col (9)** against the Project position mentioning the position details in the subject of the e-mail as **“Application for the Project Position (Name of the Project Position in Capital Letters) of Advt. No.22-R/IMSc/2024 did 28/06/2024”**

Note [A] :

1. Mails sent after the above time & date will not be considered under any circumstances.
2. Indicating subject in the e-mail as explained above under General Information of the Project Position is very important.
3. Depending on the number of candidates who respond to this advertisement, the Institute will decide whether to conduct a brief objective type written test of about one and half hours or to go with direct interview.
4. Only those candidates who are meeting the minimum educational qualifications & experience mentioned in the advertisement will be eligible to appear for Written Test / interview. Hence screened list of candidates will be displayed by us after verifying their candidature on the **“Opportunities page”** of the Institute’s website [www.imsc.res.in]. Therefore, short listed candidates whose names are displayed by us on Opportunities page only need to come and appear for Written Test / Interview as per the Project position wise date already fixed by us for Project position in the above Table.
5. The candidates who have applied for the Project positions against this advertisement and whose names are shortlisted for written test/ interview and displayed by us on the opportunities page of IMSc website will only be allowed to appear for Written Test / Interview and they should bring one copy of valid proof of ID card with original (like AADHAR/Driving License/ Passport / VoterID).
6. Except displaying the shortlisted candidates on our website, no separate call letter / confirmation requesting the candidates to attend for Written Test (or) Interview will be sent by this Institute to those candidates who have submitted their applications in response to this advertisement.
7. The candidates who have applied for the Project positions against this advertisement and whose names are displayed in the screened list should bring one copy of e-mail sent by them with photo pasted on it with clear header showing time and date of e-mail & Resume already sent by them at the time of reporting for Written Test / Interview. The candidates without e-mail or carrying the copies of e-mails without header or copy of e-mail sent after the last time and date (as indicated under column (9)) will not be allowed to appear for Written Test or Interview under any circumstances.

IMPORTANT (For offline Written Test & Interview)

1. The candidates submitting e-mails for the above positions are requested to note the day and date of interview shown at **column (10) of the above table and visit the IMSc web-site periodically for any updates.**
2. The candidates should on their own attend interview on the date mentioned, where necessary.
3. All those candidates who have been short listed for the Project positions are requested to **report sharp at the designated time on the dates of written test / interview as indicated against each Project positions at column (10) at IMSc and sign the attendance statement without fail.** The candidates also should bring along with them all original certificates and one set of copies of all certificates as to proof of age, educational qualification, and experience etc.

4. The list of successful candidates of the written test wherever conducted will be displayed on the notice board on the same day for which venue location will be announced at the time of written test. Only those candidates who clear the written test are required to appear for Interview, time for which will be announced at the written test venue. Wherever only interview is prescribed the candidates will be intimated about the mode of interview.
5. Hard copies of applications / resume received by hand / post / courier will not be considered under any circumstances.
6. E-mail received by us without attaching resume will not be considered under any circumstances.

General Conditions:

1. The prescribed qualifications are minimum and mere possession of the same does not entitle the candidate to be considered for the advertised position. The decision of the Director of this Institute in all matters will be final and no enquiry or correspondence will be entertained in this matter.
2. Only outstation candidates belonging to SC / ST appearing for the written test and selected for interview only will be reimbursed to and fro second class railway fare/ bus fare or actual fare incurred which ever is less by the shortest route from the station of residence / work place to Chennai & back on production of original tickets.
3. Please visit "Opportunities Page" of our website www.imsc.res.in for full details of advertisement, screened list of candidates and visit "Getting here" page to know location information of our Institute.

TABLE -II - Library Trainees:

Sl. No	Name of the traineeship	Educational and other Qualifications	No. of positions	Age limit	Selection procedure	Who should appear for written test, on which date & at which venue	Stipend during the Training period	Training areas after selection	Unique email ID
[11]	[21]	[31]	[41]	[51]	[61]	[71]	[81]	[91]	[101]
1	Library Trainee	Essential : ML/Sc Degree with first class and with good English knowledge. - Should have passed out during 2023 (or) 2024 only. Desirable : - Preference will be given to those candidates who have	01	Minimum 22 years and Maximum 27 years as on last date of receipt of application and no experience is required.	The Selection will be made on merit basis through a written test. Only those candidates who qualify in written test will be called for interview (proposed for Afternoon).	Only those candidates whose names are shortlisted & displayed by us on IMSc website under Opportunities page > Other Positions are to appear for written test, the date of which will also be announced along with the above list.	Rs.20,000/- per month (Consolidated and all inclusive)	To undergo training in Library including RFID enabled library automation, technical processing, arranging of books in the book racks, photocopying, binding, file management and other assistance to Library staff on six day week basis.	librarytrainee@imsc.res.in

pursued the degree as regular academic course.							
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- The period of training will be purely for **ONE YEAR** from the date of admission with no guarantee of regular employment (or) absorption (or) continuation (or) confirmation under any circumstances.

Note [B] : Selection procedure :

Call letters through email will be sent to the candidates who are shortlisted for written test, typing test. The names of the shortlisted candidates will also be displayed on opportunities page of our website www.imsc.res.in under Opportunities page > Other positions along with actual date of written test & typing test which will be followed by interview for those who successfully get qualified in written test & typing test.

Candidates meeting the above criteria are requested to send a brief e-mail by attaching therewith their latest resume to unique e-mail id as mentioned at Col. (10) against the trainee position in the above table **on or before 23.59 hrs on 10/07/2024** along with scanned copies of relevant certificates for proof of date of birth, educational & computer qualifications, experience , if any, etc, mentioning the trainee position in the subject of the e-mail as **“Application for Library Trainee” of Advt No.22-R/IMSc/2024 Dtd 28/06/2024”**.

General Conditions :

- Mails sent after the above time & date will not be considered under any circumstances.
- Indicating subject in the e-mail as explained above under General Information of the Trainee position is very important.
- The candidates submitting emails for the above position, are requested to visit the IMSc website periodically for any updates.
- Emails received by us without attaching resume will not be considered under any circumstances.
- Hard copies of applications / resume received by hand / post / courier **will not be considered** under any circumstances.
- The prescribed qualifications are minimum and mere possession of the same does not entitle the candidate to be considered for the advertised traineeship for shortlisting. The decision of the Director of this Institute in all matters will be final and no enquiry or correspondence will be entertained in this matter.
- Admission against this advertisement selection process will be purely as per terms and conditions mentioned therein and will terminate automatically without any notice or compensation on termination.
- The admitted candidate shall have no claim of appointment / absorption in IMSc, Chennai. No accommodation will be provided to the Selected Library trainee during their association with IMSc.
- Only outstation candidates belonging to SC/ ST appearing for the written test and selected for interview only will be reimbursed to and fro second class railway fare / bus fare or actual fare incurred which ever is less by the shortest route from the station of residence / work place to Chennai & back on production of original tickets.
- Selected candidates will have to join for training immediately on receipt of offer of admission.
- No interim enquiries / correspondence / communications of any sort will be entertained on the matter.

- Canvassing in any form and / or bringing any influence, political or otherwise will be treated as a disqualification for the traineeship applied for.
- Please visit “Other positions” under “Opportunities Page” of our website www.imsc.res.in for full details of advertisement, shortlisted list of candidates to be displayed along with time and date of written test for each traineeship and visit “Getting here” page to know location information of our Institute.

Vinayalatha S
28.6.2024

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