



भारतीय खगोलभौतिकी संस्थान INDIAN INSTITUTE OF ASTROPHYSICS

(विज्ञान व प्रौद्योगिकी विभाग, भारत सरकार के अधीन स्वायत्त संस्थान)

(An Autonomous Body Under Department of Science & Technology, Government of India)

कोरमंगला Koramangala, बेंगलूर Bengaluru -560034

Advt. No.IIA/09/2025-26 Dated:04.06.2025

Walk-in Interview on 28.06.2025

Indian Institute of Astrophysics (IIA) is an autonomous academic national institution under Department of Science & Technology, Govt. of India dedicated to research in Astronomy, Astrophysics and Allied Sciences & Technology. The Institute has its main campus in Koramangala, Bengaluru and CREST Campus at Hosakote, Bengaluru. It operates field stations at Kavalur & Kodaikanal in Tamil Nadu, Gauribidanur in Karnataka, and Leh/Hanle in Union Territory of Ladakh.

India has joined the Thirty Meter Telescope (TMT) project, the next generation astronomical observatory that will be located on Mauna Kea, Hawaii. India's participation in the TMT Project, led by the Indian Institute of Astrophysics (IIAP, Bengaluru), Inter University Centre for Astronomy and Astrophysics (IUCAA), Pune and Aryabhata Research Institute for Observational Sciences (ARIES), Nainital is coordinated by the India-TMT Coordination Centre (ITCC) hosted at IIA, Bengaluru. The TMT project is an international partnership between California Institute of Technology (CalTech), Universities of California, Canada, Japan, China and India. More details about the project may be obtained from <http://tmt.iap.res.in>

The Thirty Meter Telescope (TMT) will be the world's most advanced ground-based observatory that will operate in optical and mid-infrared wavelengths. It will be equipped with the latest innovations in precision control, phased array of mirror segments and laser guide star assisted adaptive optics system. At the heart of the telescope is the segmented mirror, made up of 492 individual hexagonal segments, each 1.44-m in size. Precisely aligned, these segments will work as a single reflective surface of 30-m diameter. India is responsible for providing various critical hardware components and software to the telescope as part of in-kind contribution. Manufacturing of the sub-systems by Indian industry are at various stages.

Eligible young, bright and highly motivated individuals are invited to attend Walk-In Interview on **28.06.2025** at Indian Institute of Astrophysics, 2nd Block, Koramangala, Sarjapur Road, Bangalore – 560 034 between 09.00 AM to 06.00 PM for the following post.

The candidates should register their names between 09.00 AM to 10.00 AM on the date of Walk-In Interview and the candidates arriving beyond this time will not be entertained.

01.	Name of the post	Engineer Trainee (Software)
02.	No. of Post	One (01)
03.	Age limit	26 years
04.	Remuneration	Rs.40,000/- per month(Consolidated)
05.	Essential Education Qualifications	B.E/B.Tech degree in Computer Science or equivalent with 60% marks in the aggregate or equivalent grade from the recognized University/Institution under UGC or Central or State Governments.
06.	Desirable	<p>Proficient in Open Source development platforms and experience in the below areas:</p> <ol style="list-style-type: none"> 1. Programming Languages like Java, C/C++, ReactJs. 2. Operating system Linux(Ubuntu). 3. Version Control System: GitHub. 4. Knowledge of Agile Methodology, Software Development Lifecycle and Object Oriented Programming and Knowledge about Akka Framework, JIRA, Confluence, Scala, Kafka. 5. Strong interpersonal and communication skills.
07.	Place of posting	IIA, Bengaluru

Job Description:

India-TMT project is leading the development of major software subsystems for the TMT which includes Telescope Control System, Observatory Software, Data Management System and instrument control software for Wide-field Optical Spectrograph. Initial efforts will focus on understanding the TMT software system with its various modules that are already developed, write tests for those codes and testing of existing modules. This will be followed by defining the requirements and design of the instrument control software concept within the TMT observatory software framework.

Key Responsibilities

- Good skills in writing code within the framework to create a workflow for astronomical observations.
- Track progress of work being done and ability to work in Agile Methodology.
- Work closely with the TMT software team, astronomers and instrument control team.
- Prepare documents and make presentations during regular meetings and reviews, good communication and writing skills are essential.
- Travel to collaborators and vendor locations within Bengaluru and outside for progression of work.

Candidates attending the walk-in Interview should come with duly filled in prescribed application attached with this advertisement with a passport size photograph pasted on the top of the application along with original certificates related to their qualification and experience and also one set of self-certified photo copies failing which the candidature will not be considered.

Terms & Conditions:

1. The appointment is purely on contract basis and does not entitle any privileges or service benefits applicable to regular employees of the Institute. No claim whatsoever for regular employment in the Institute shall be entertained.
2. The tenure of appointment is initially for a period of one (01) year and extendable annually subject to satisfactory performance of the candidate assessed annually and requirement of the project or may co-terminus with completion of the project whichever is earlier.
3. There will be annual increase in the remuneration based on satisfactory performance.
4. Age relaxation is permissible to SC/ST/OBC (Non-Creamy Layer) candidates and physically handicapped candidates as notified by the Govt. of India from time to time.
5. The date for determining the upper age limit, qualifications and experience shall be the date of Walk-In Interview as indicated above.
6. It is open to the Institute to conduct written test to shortlist the candidates for walk-in interview in case the attendance of candidates is more.
7. The selected candidate will be posted to work in IIA, Bengaluru and is liable to be posted anywhere India as per the requirement of the Institute/Project.
8. The Institute reserves the right to cancel the entire recruitment process at any time or re- advertise if no candidate is found suitable for the post without assigning any reasons whatsoever.
9. The Institute reserves the right to increase/decrease the advertised vacancies subject to requirement of the project/institute.
10. No correspondence will be entertained with the candidates not selected for walk-in interview / appointment. Canvassing in any form will be a disqualification.
11. Candidates meeting the above requirements and willing to be considered for the above said post may attend the walk-in interview.
12. Candidate of Indian Nationality only can attend the walk-in interview.
13. Candidates meeting the above requirements are required to bring the original and one copy of Curriculum Vitae (CV), Date of Birth Proof, Educational Qualifications, Experience certificates (If applicable), ID proof (Aadhar, PAN, Driving License) and other relevant documents.
14. Misrepresentation or falsification of facts detected at any stage of the selection process or instances of misconduct/misbehavior at any stage during selection process shall result in cancellation of candidature without any notice and no correspondence in this regard shall be entertained.

9. Details of educational qualifications:

Sl. No.	Name of School/ Institute	Exam passed	Year of passing	Subjects	Class/ Division	% of marks
1						
2						
3						
4						
5						

10. Computer Knowledge:

11. Details of Experience:

Sl. No.	Name of the Employer	Designation of post held	Nature of duties performed	Pay	Date of joining	Date of leaving	Reasons for leaving
1							
2							

12. Additional information, if any:

Declaration

I hereby declare that all the particulars furnished above are true, complete and correct to the best of my knowledge and belief. In the event of any information being found false or incorrect, my candidature may be cancelled without any notice at any stage of recruitment and thereafter.

Date:
Place:

Signature of the candidate