



भारतीय ताराभौतिकी 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 BANGALORE -560034

Advt. No. IIA/15/2023 Dated:07.08.2023

WALK-IN INTERVIEW ON 31.08.2023

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, Bangalore and CREST Campus at Hosakote, Bangalore. It operates field stations at Kavalur & Kodaikanal in Tamilnadu, Gauribidanur in Karnataka, and Leh/Hanle in Union Territory of Ladakh.

IIA is also collaborating with University of California Santa Cruz (UCSC) and University of California Observatories (UCO) to build a state-of-the-art instrument for the 10m Keck telescope called SCALES: Slicer Combined with Array of Lenslets for Exoplanet Spectroscopy. IIA will develop various subsystem for SCALES and also participate in the assembly, integration, and testing. IIA is also involved in developing several subsystems of Wide-field Optical Spectrograph (WFOS) for Thirty Meter Telescope (TMT) project.

Eligible bright and highly motivated individuals are invited to attend a Walk In Interview on **31.08.2023(Thursday)** at the Institute Campus, 2nd Block, Koramangala, Sarjapur Road, Bangalore – 560 034 between 09.00 AM to 05.00 PM for the following positions.

01.	Name of the position	<u>A. Project Engineer –I (Electronics/Controls)</u>
02.	Essential Education Qualifications, Experience, Emoluments and Age.	i) <u>Rs. 36,000/- per month (Consolidated)</u> –Age-35 years for B.E/B.Tech in Electronics/Electrical/Instrumentation or equivalent Engineering from a University/Institution recognized by UGC/AICTE with a minimum of 60% marks or equivalent grade. Minimum 2 years' experience after graduation in an industry/public-sector and/or government establishments in area of controls and embedded system design using Python programming. OR ii) <u>Rs.45,000/- per month (Consolidated)</u> Age-35 Years for B.E/B.Tech in Electronics/Electrical/Instrumentation or equivalent Engineering from a University/Institution recognized by UGC/AICTE with a minimum of 60% marks or equivalent grade and qualified in UGC/CSIR-NET including lectureship (Assistant Professorship)/GATE or a selection process through National level examination conducted by Central government Departments and their agency institutions.

	Desirable experience and skills	Knowledge of control system design, mechatronics, servo/motion controllers and related components like industrial drives, encoders, motors, PLCs, implementation, and programming. Familiarity with Unix/Linux and windows platform along with software development tools like C/C++, Python, QT, Labview, Matlab etc.
	OR	
	<u>B. Engineer Trainee (Electronics/Controls)</u>	
	Essential Education Qualifications, Emoluments and Age.	<u>Rs.30,000/- per month (Consolidated) – Age-26 Years</u> B.E/ B.Tech/ M.Sc. in Electronics/Electrical/Instrumentation or equivalent from a University/Institution recognized by UGC/AICTE with a minimum of 60% marks or equivalent grade. Preference will be given to candidate familiar with servo/motion controllers, industrial drives, encoders, software development tools like C/C++, Python, QT, Lab view etc
03.	No. of Position	One (01). [Please note that the final selection will be for only one position of either Project Engineer –I (Electronics/Controls) or Engineer Trainee (Electronics/Controls)].
04.	Place of posting	IIA, Bengaluru
05.	Duration	Initially for a period of one year and may be continued based on their satisfactory performance and requirement of the project.

Job Description: The selected candidate should discharge the following responsibilities, which include but are not limited to:

- i. Development of software (e.g. Python APIs) for different motion/servo controllers.
- ii. Laboratory integration and testing of instrument subsystems & mechanisms
- iii. Survey of commercial off-the-shelf control components including motion controllers, precision encoders, BLDC motors, PLCs, real time network for distributed control, cable management system etc.
- iv. End-to-end design and development of motion control and PLC based prototypes for electromechanical systems by following industrial safety standards. Evaluating their performance, merits and demerits.
- v. Development of cabling scheme, power budget, bill of material etc.
- vi. Active participation and presentation of the work in meetings involving national and international members.
- vii. Regular interaction with vendors.
- viii. Procurement and shipment related activities.
- ix. Training the subordinate team members to handle the above tasks.

- x. The Candidate may need to work closely with the ITCC/SCALES team members and Indian industries involved in the prototyping, production of SCALES' and TMT instruments hardware systems and their testing. The Job may require some travel.

Note: 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.

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

Terms & Conditions:

1. The appointment is purely temporary on contract basis and does not confer any privilege or benefit applicable to regular employment. No claim whatsoever for regular employment in the Institute shall be entertained.
2. The tenure of appointment is initially for a period of one year, may last till the duration of the project and will co-terminus with the project completion. Continuation of contract of appointment is subject to satisfactory performance of the candidate and requirement of the project as judged by the Institute.
3. The date of determining the upper age limit, qualifications and experience shall be the date of Walk In Interview.
4. The remuneration indicated is consolidated and is inclusive of all allowances.
5. There will be annual increase of 3% on the remuneration for the position of Project Engineer –I and Rs.2500/- for the position of Engineer Trainee subject to continuation based on satisfactory performance and requirement of the project.
6. It is open to the Institute to conduct written test to shortlist the candidates for interview in case the attendance of candidates is more.
7. Age relaxation is permissible to SC, ST & OBC candidates and also to physically handicapped candidate as notified by Government of India from time to time.
8. The candidate selected will be posted to work in IIA, Bengaluru and is liable to be posted anywhere in India as per the requirement of the Institute/Project.
9. No correspondence will be entertained with the candidates not selected for interview/appointment. Canvassing in any form will be a disqualification.
10. Candidates of Indian Nationality only can attend the walk-in interview.
11. The Institute reserves the right to cancel the entire recruitment process at any time without assigning any reasons whatsoever.
12. Candidates meeting the above requirements and willing to be considered for the above said position may attend the walk-in interview.
13. Misrepresentation or falsification of facts detected at any stage of the selection process or instances of misconduct/misbehaviour at any stage during selection process shall result in cancellation of candidature without any notice and no correspondence in this regard shall be entertained.

प्रशासनिक अधिकारी/Administrative Officer



Indian Institute of Astrophysics, Bangalore

APPLICATION FORMAT

Affix latest
passport size
photograph

1. Post Applied for :

2. Full Name (in block letters) :

3. Father's/Spouse name :

4. Date of Birth :

D	D	M	M	Y	Y	Y	Y

5. Address
(a) Permanent :
PIN Code:

(b) for Communication :
PIN Code:

(c) Telephone/Mobile No. :

(d) E-mail id :

6. Sex :

7. Marital Status :

8. Whether belongs to SC/ST/OBC/
PH/ General :

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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: Bangalore

Signature of the candidate