



दूरभाष Ph : 91-80-25530672-76

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, बेंगलूरु BENGALURU -560034

Advt. No. IIA/ 14/2023/Dated: 01.08.2023

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.

Online applications are invited from eligible young, bright and highly motivated individuals for the following position to work for the STU Project:

01.	Name of the position	PROJECT ENGINEER-I (Mechanical Engineering)
02.	No. of position	One
03.	Age limit	30 years
04.	Remuneration	Rs. 75,000/- per month (Consolidated)
05.	Place of Posting	CREST-Hosakote
06.	Essential Educational Qualification and Experience	<p>1. Full-time post graduate degree in M.Tech (Mechanical Engineering) specialisation in Design / Manufacturing Engineering with 60% marks in the aggregate or equivalent grade from a reputed and recognized University/Institution with minimum 1 year of experience in designing optomechanical systems of astronomical instruments for space applications. Hands on experience in CAD and FE tools NX Nastran, Hyperworks to generate solid and FE models, assemblies. Expertise in FE analysis for dynamic load spectrums. Expertise in Thermo elastic analysis, nonlinear and transient thermal dynamics. Hands on experience in opto-mechanical modelling and analysis to check and correct the optical aberrations is essential. <i>Candidate should be willing to work on Shift Basis as and when required.</i></p> <p style="text-align: center;">OR</p> <p>2. B.E./B.Tech (Mechanical Engineering) with 60% marks in the aggregate or equivalent grade from a reputed and recognized University/Institution with minimum 3 years'</p>

		<p>experience in the field of design/ manufacturing engineering/ designing optomechanical systems of astronomical instruments for space applications. Hands on experience in CAD and FE tools NX Nastran, Hyperworks to generate solid and FE models, assemblies. Expertise in FE analysis for dynamic load spectrums. Expertise in Thermo elastic analysis, nonlinear and transient thermal dynamics. Hands on experience in opto-mechanical modelling and analysis to check and correct the optical aberrations is essential. <u>Candidate should be willing to work on Shift Basis as and when required.</u></p>
07.	Desirable Experience	<p>Opto-mechanical instrumentation, expertise in CAE packages like Solid works, Ansys and Inventor. Experience in mechanical metrology and integration is desirable. Experience in operating vibration shaker and thermos vacuum chamber for space instruments is preferred. Good in documentation and good communication skill.</p>
08.	Nature of Job	<p>To be a part of instrument design and development team that handles design, fabrication, calibration and testing for ground and space-based astronomy experiments. Candidate should not have any objection to travel to field stations of IIA when required.</p>

Note: Candidates with higher qualification in relevant field and experience will also be considered.

Terms & Conditions :

- 1) The appointment is purely temporary on contract basis and does not entitle any privileges or benefits of 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 and extendable for further period subject to satisfactory performance of the candidate and requirement of the Institute.
- 3) The date of determining the upper age limit, qualifications and experience shall be the closing date prescribed for receipt of completed applications.
- 4) The remuneration indicated is a consolidated and is inclusive of all allowances.
- 5) There will be annual increase in the remuneration based on satisfactory performance.
- 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 candidates as notified by Govt. of India from time to time.
- 8) The candidate selected will be posted to work in CREST-Hosakote and is liable to be posted anywhere in India as per the requirement of the Project.
- 9) Institute reserves the right to cancel the entire recruitment process at any time without assigning any reasons whatsoever.
- 10) No correspondence will be entertained with the candidates not selected for interview / appointment. Canvassing in any form will be a disqualification.
- 11) Candidates of Indian Nationality only can apply for this position.
- 12) The prescribed educational qualifications are minimum required and mere possession of the same does not entitle candidates to be called for interview. Where the number of applications received in response to the advertisement is large and it will not be convenient or possible for the Institute to interview all those candidates, the Institute reserves the right to limit number of candidates to be called for interview on the basis of qualifications and experience higher than the minimum prescribed in the advertisement and also conducting written test.
- 13) No correspondence will be entertained with the candidates not selected for interview/appointment. Canvassing in any form will be a disqualification.
- 14) **Candidates meeting the above requirements and willing to be considered for the above said position may submit application through online only.** Candidates are required to upload their scanned Curriculum Vitae (CV), Date of Birth Proof, Educational Qualification, Experience and Community Certificates in the online application.
- 15) 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.
- 16) **The last date for receipt of online application is 30.08.2023 upto 17:30Hrs.**
- 17) For registration, please visit: https://www.iiap.res.in/iiap_jobs/ .

प्रशासनिक अधिकारी **Administrative Officer**