



ADVT. NO.: 14/2026

(Apply on or before October 16, 2026)

The Inter-University Centre for Astronomy and Astrophysics (IUCAA) is an autonomous institution set up by the University Grants Commission (UGC) of India to promote the nucleation and growth of active groups in astronomy and astrophysics at Indian universities. IUCAA aims to be a Centre of excellence within the university sector for teaching, research and development in astronomy and astrophysics.

The Centre invites online applications from Indian nationals possessing an excellent academic record and relevant work experience for the following position: -

1.	Name of the post	DevOps Engineer
2.	Funding Agency	LIGO - India
3.	No. of post(s)	One (01) – [Purely on contractual basis]
4.	Tenure	02 years
5.	Pay/ Remuneration	42,000 + 30% HRA
6.	Age	35 years
7.	Qualification	B.E./B.Tech./M.Sc./MCA/MCS or equivalent degree in Physics/ E&TC / Computer Science / Comp. Engg. / IT or any related field.
8.	Experience	Minimum two (2) years of relevant professional experience in Linux system administration, DevOps, infrastructure/platform engineering, Site Reliability Engineering (SRE), cloud/private-cloud operations, HPC/HTC administration or a closely related area. The candidate should have demonstrable hands-on experience in administering production Linux systems and in automation using scripting and/or configuration-management tools.
9.	<u>Job Description:</u> The DevOps Engineer will participate in the operation, maintenance, automation, monitoring and continuous improvement of the High-Throughput Computing and Collaboration Support Infrastructure of the LIGO-India/GW Data Centre. The infrastructure includes a large Linux-based HTCondor compute facility, scientific storage and data-access systems, Proxmox-based virtualization, web/application and collaboration services, high-speed networking and associated monitoring and security infrastructure. The engineer will work with system, storage, network, security and scientific-computing personnel to progressively automate infrastructure deployment and operation and to improve reliability, reproducibility, maintainability and security of production services. The selected engineer will be expected to work across multiple technology areas rather than exclusively administering a single product. The engineer should therefore have strong fundamentals in Linux, automation, networking and troubleshooting, together	



with the ability to acquire expertise in specialised technologies used by the GW Data Centre.

Job Responsibilities:

The selected candidate will be responsible for activities including, but not limited to: Infrastructure Automation and Configuration Management, HTC Infrastructure, Virtualization, Application and Collaboration Services, Responsibilities shall include deployment, upgrades, configuration, monitoring, backup/recovery and troubleshooting of these services: CI/CD, Containers, Scientific Software Distribution, Monitoring, Logging and Reliability, Storage and Data Services, Network and Security Integration, Backup and Disaster Recovery, Documentation and Operational Procedures.

Job Duties:

The position will involve a combination of routine production operations and engineering activities. Typical duties include:

- monitoring production services and responding to alerts;
- diagnosing Linux, network, storage and application problems;
- deploying configuration changes through controlled procedures;
- patching and upgrading infrastructure;
- maintaining automation code;
- reviewing failed CI/CD pipelines;
- provisioning servers and VMs;
- troubleshooting HTC jobs and execution nodes;
- monitoring capacity and performance;
- testing backups and recovery procedures;
- implementing new monitoring and alerting;
- participating in infrastructure commissioning;
- assisting with introduction of new services;
- performing root-cause analysis of recurring failures; and participating in scheduled maintenance and, when required, incident response outside normal working hours.

10

Mandatory Required Skill Set: Candidates should demonstrate hands-on competence in the following areas: Systems Administration of Linux systems, Automation of tasks using python/shell scripting and configuration management technologies like Ansible etc. good working knowledge of Git platforms and implementing CI/CD in it, management & administration of Virtualization: VMs / Containers, good understanding of Networking, experience with infrastructure monitoring & troubleshooting.

Desired/ Preferred Skill Set: Experience in one or more of the following will be advantageous: Administration of Scientific/HPC/HTC computing infrastructure including GPU infrastructure, parallel & distributed storage, scientific data infrastructure for distributed scientific-data management, virtualization, web & application infrastructure, identity and access management, networking and security, site reliability engineering



Desirable Personal and Professional Competencies: The candidate should possess:

- strong analytical and troubleshooting ability;
- ability to work systematically during infrastructure/service failures;
- willingness to learn unfamiliar technologies;
- ability to automate rather than repeatedly perform manual tasks;
- good technical documentation skills;
- ability to work collaboratively with system, network, storage, security and scientific-software teams;
- ability to communicate technical problems and solutions clearly; and willingness to participate in planned maintenance and critical incident-response activities when required.

GENERAL INFORMATION / DETAILS ABOUT THE POST

- 1) The appointment is purely temporary and will terminate automatically without any notice or compensation on the termination.
- 2) The appointed person shall have no claim of appointment/ absorption in the Funding Agency or in IUCAA, Pune.
- 3) 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) Candidates should possess the requisite experience (if any) as on the closing date for submission of application.
- 6) The prescribed Essential Qualifications/ Experience indicated are bare minimum and mere possession of same will not entitle the candidates to be called for interview/ selection process. Where the number of applications received in response to an advertisement is large, it may not be convenient or possible to call all the candidates. The Centre reserves the right to restrict the number of candidates to be called for written exam/ skill test/ interview to a reasonable limit, on the basis of qualifications and experience higher than that of the minimum prescribed in the advertisement. The candidates should, therefore, furnish full details of qualifications and experience possessed in the relevant fields, over and above the minimum prescribed. Documentary evidences of qualification and experience will be verified during the selection process. Any discrepancy found in documents of candidates will lead to cancellation of their candidature.



- 7) The applicant will be solely and entirely responsible for the authenticity of information submitted/ documents and photograph. It is the responsibility of the candidate to assess his/ her own eligibility to the post(s) for which he/ she is appearing in accordance to this advertisement. If it is detected at any time in future, during the process of selection or even after appointment that the candidate was not eligible as per the prescribed rules of the Centre which could not be detected at the time of selection for whatsoever reason, his/her candidature/appointment shall be liable to be cancelled/ terminated immediately.
- 8) All information regarding the selection process shall be communicated through email. Candidates are requested to provide a valid and active email address for receiving the call letter and any other updates. Candidates must ensure that the email address furnished is correct and regularly monitored. IUCAA shall not be responsible for non-receipt of communication due to an incorrect, inactive, or inaccessible email address.
- 9) Recent passport-size photograph and photocopies of relevant certificates and other testimonials in support of age, qualification, experience, etc. will be collected at an appropriate stage.
- 10) No TA/DA will be admissible for appearing for the selection process.
- 11) The number of posts indicated may increase or decrease as per the Centre's requirement.
- 12) Selected candidate(s) will have to join duty immediately on receipt of the offer letter.
- 13) No interim enquiries/ correspondence/ communication of any sort will be entertained on the matter.
- 14) Canvassing in any form and/ or bringing any influence by an applicant, will lead to disqualification of the applicant from the selection process.
- 15) Jurisdiction: Any dispute arising out of this advertisement and/or applications submitted in response thereto shall be subject to the exclusive jurisdiction of the Courts/ Tribunals/ Forums at Pune.
- 16) Application submitted without any supporting documents/ uploads (or) with unclear scans/ illegible uploads (or) incomplete in any respect will be summarily rejected and no further correspondence will be entertained in this regard. Application incomplete in any respect will be summarily rejected.

Senior Administrative Officer