



जवाहरलाल नेहरु उन्नत वैज्ञानिक अनुसंधान केंद्र
(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार की स्वायत्त संस्थान - मान्यताप्राप्त विश्वविद्यालय)
Jawaharlal Nehru Centre for Advanced Scientific Research
(An Autonomous Institute under Dept. of Science & Technology, Govt. of India - A
Deemed University)

जक्कूरपरिसर, बेंगलूरु - 560 064, भारत/ Jakkur Post, Bengaluru - 560 064, INDIA

Advt.No.01/NSM/2024-25

Date:29/04/2024

Applications are invited from the eligible candidates for the following technical positions to be filled on contract basis to work under the National Supercomputing Mission (NSM) Project, JNCASR: **(1) HPC Facility Manager, (2) Data Centre Engineer, and (3) Data Centre Trainee.**

- (1) HPC Facility Manager – Equivalent to Project Scientist III (1 post), Consolidated remuneration of approximately Rs. 1,00,000/- based on relevant qualifications and experience. Age limit 45 years.** Annual increments as per the norms.

The position involves management of a large scale HPC facility, along with supervision of data centre support staff, interfacing with users and service providers, and organizing training programmes for the user community.

Essential Qualification: Ph. D in relevant field, **or** Master's degree in engineering/technology/computer science, along with seven years' experience in industrial, academic or S&T organizations. Minimum two years of experience in system administration of HPC facility.

Desirable: A certified course in system administration (RHCE or equivalent **OR** C-DAC's PG Diploma in IT Infrastructure, System and Security/Post Graduate Diploma in HPC System Administration). Experience with installing and optimizing large scale scientific application software.

Roles & Responsibilities: Management and maintenance of sophisticated high-performance computing (HPC) platforms (computer clusters), developing scripts for task automation, maintenance of Linux based PCs which are used in an instructional computing laboratory and of a 3d-visualization set up, and maintenance of NSM web pages. Coordination and maintenance of other technical infrastructure (such as air conditioners and UPS) belonging to NSM. Preparation and maintenance of technical summaries related to the facilities. The selected candidates will also assist scientific users in the optimal use of computing resources, through installation and optimized compilation of scientific software, educating the users on the usage of shared resources effectively with job manager. Candidates are expected to contribute to the development and porting of large numerical codes to carry out scientific computation.

(2) Data Center Engineer - Equivalent to Senior Project Associate (1 post). Consolidated Remuneration of approximately Rs.50,000/- p.m. based on relevant qualifications and experience. Age limit – 40 years

The position involves maintenance of the data centre for an HPC facility. The applicant should be willing to work beyond the shift hours to maintain the facility and should be willing to relocate closer to the campus.

Essential Qualification: BE/B.Tech/MCA, or higher degree, with 4 years of experience. Minimum one year of experience in data centre/system administration management.

Desirable:

Experience with data centre management, managing a Tier-2 or higher data centre, maintenance of workstations, Servers, and desktop computers, basic knowledge of High-performance computing and OS installation and network configuration. Knowledge of computer architecture, hardware, and operating systems.

RHCE or equivalent **OR** C-DAC's PG Diploma in IT Infrastructure, System and Security/Post Graduate Diploma in HPC System Administration will be an added advantage will be preferred.

Roles & Responsibilities: Management and monitoring of data centre infrastructure including chillers, UPS, BMS, and other critical electrical components to keep the systems working.

1. Data Centre Trainee – Equivalent to Project Associate I (1 post). Consolidated Remuneration of approximately Rs.32,000/- p.m., based on relevant qualifications and experience. Age limit – 35 years

The position involves maintenance of the data centre for an HPC facility. Candidates should be willing to work beyond the shift hours to maintain the facility and the candidates should be willing to relocate closer to the campus.

Essential Qualification: BE/B.Tech or Equivalent degree (CSE/ECE/EEE/IT) with 1-3 years of experience in the relevant field.

Desirable:

Experience in working in data centre maintenance, basic knowledge of computer architecture, hardware, and operating systems. C-DAC's PG Diploma in IT Infrastructure, System and Security/Post Graduate Diploma in HPC System Administration.

Roles & Responsibilities: Assisting the Data Centre Engineer and/or the team in maintenance and monitoring of data centre infrastructure.

Interested candidates are required to send a scanned copy of the duly filled in Template (available on the website) along with scan copies of original testimonials in support of educational qualification, age, experience, etc. with a brief resume to **NSM Project through email: nsmadmin@jncasr.ac.in latest by 23, May 2024.**

Note:

- (1) Shortlisted candidates may be invited for in person interview.
- (2) No TA/DA will be paid for attending the interview in person.
- (3) Online interviews will be considered in special circumstances.
- (4) Candidates are required to provide their Skype ID, email address and mobile number.