



**ADVERTISEMENT
FOR
NETWORK SUPPORT ENGINEER (NSE)
AT
IIT MANDI IHUB AND HCI FOUNDATION
A Section – 8 Company
Location – IIT Mandi Campus**

About IIT Mandi iHub and HCI Foundation: **About iHub:** IIT Mandi iHub and HCI Foundation (iHub) is a section 8 company established under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS). The focus area of IIT Mandi iHub is “**Human-Computer Interaction.**” The vision of the iHub is to be an internationally recognized hub that nurtures HCI research, enables technology translation for industry, and scales skill development. The four areas of IIT Mandi iHub are Research and Technology Development, Skill Development, Incubation & Acceleration, and Collaboration. For more information, visit www.ihubiitmandi.in

Applications are invited for the position of Network Support Engineer (NSE):

Apply Here: <https://form.typeform.com/to/konybUNU>

The Role

We are seeking a talented Network Support Engineer to join our team and play a pivotal role in maintaining and troubleshooting computer networks within an organization. Configure network devices, monitor network traffic, implement security measures, and provide technical support to users experiencing network-related problems.

Responsibilities

- Design, implement, and maintain the network infrastructure, including switches, routers, firewalls, and load balancers utilizing Cisco, Juniper etc.
- Designed, implemented, and maintained multimodal data center network infrastructure utilizing Cisco switching and routing technologies to support High-Performance Computing (HPC), AI/ML workloads, GPU clusters, storage networks, and research applications.
- Configure and optimize network routing protocols to ensure efficient data routing and network convergence, utilizing Cisco ASR router.
- Monitor network security and implement measures using IPSec, GET VPN, and DMVPN to ensure data confidentiality, integrity, and availability, especially in sensitive environments like research.
- Manage user accounts, permissions, and access control for network resources using technologies like LDAP.
- Oversee the administration of web development technologies, encompassing HTML, CSS, JavaScript, and PHP, to ensure the maintenance and customization of websites.
- Manage and maintain the High-Performance Computing (HPC) infrastructure, including job schedulers, and cluster management software.
- Maintain and administer local hosting servers for various applications and services, utilizing technologies like Apache, Nginx, MySQL, and Docker containers.
- Responsible for the maintenance and updating of organization website, utilizing CMS platforms like WordPress.
- Proficiency in Linux operating systems, including system administration tasks, shell scripting, and package management.

- Proficient in HPC environments, utilizing C/C++ and Python for parallel and scientific computing, and administering PBS (Portable Batch System) for job submission, queue management, resource allocation, and cluster workload optimization.
- Experience with Cloud Computing platforms such as Amazon Web Services (AWS) for cloud infrastructure management & cost optimization through rightsizing, Reserved Instances, Auto Scaling, storage lifecycle policies, and resource utilization analysis.

Essential Qualifications:

Position	Qualification	Years of Experience
Network Support Engineer (NSE)	Bachelor's Degree in Computer science, Information Technology, or related field, with a specialization in networking and system administration.	3 to 5 Years
	Masters Degree in Computer science or related field, with a specialization in networking and system administration.	0 to 3 Years

Desirable Skills:

- Professional certifications such as Cisco Certified Network Associate (CCNA), AWS Certified Solutions Architect, Red Hat Certified Engineer (RHCE), or equivalent.
- Knowledge of HPC concepts and experience with scientific computing environments, job scheduling systems like PBS.
- Hands-on experience with network administration and Linux operating system administration.
- Strong Experience with web development technologies, including HTML, CSS, JavaScript, and PHP, for website maintenance and customization.
- Strong understanding of networking concepts and protocols, including TCP/IP, DNS, DHCP, VLANs, STP, and QoS.
- Experience with cloud computing platforms like AWS.

Salary: As per relevant experience and qualifications.

Terms/Instructions:

1. Only shortlisted candidates will be contacted/informed through email/phone.
2. IIT Mandi iHub and HCI Foundation reserves the right to fill up the post, not to fill up the position or cancel the advertisement in whole or part without assigning any reason. The company also reserves the right to limit the number of candidates to be called for written tests/or interviews. The decision of the company in this regard will be final.
3. Documentary evidence of all educational and professional qualifications will be required to be produced when specified.
4. The company can verify the antecedents or documents submitted by a candidate before the appointment, at the time of appointment, or during the tenure of the service. In case it is detected that the documents submitted by the candidates are fake or the candidate has clandestine antecedents/background and has suppressed the said information, then their services shall be terminated.
5. If it is found later that any information given in the application is incorrect/false, the candidature/ appointment is liable to be cancelled/terminated.
6. **The applications will be considered till the post is filled.**

Contact us: IIT Mandi iHub and HCI Foundation, IIT Mandi, North Campus, Kamand, District Mandi, Himachal Pradesh 175005

Email: hr@ihubiitmandi.in

Website: www.ihubiitmandi.in

Note: All applications should be routed through the application link provided for each position in the advertisement. Email us only in case of questions.