No. 411002/12/2022-NFR   Dated: 7th June, 2022

ADVERTISEMENT FOR THE POST OF ASSISTANT SYSTEMS ENGINEERs

Indian Institute of Technology (Indian School of Mines), Dhanbad formerly known as Indian School of Mines, Dhanbad established in 1926 offers 4 yr. B.Tech., 3 yr. M.Sc. Tech., 2 yr. M.Sc., 5 yr. Integrated M.Sc. (Tech.)/M.Tech., 5 yr. Dual Degree (B.Tech. & M. Tech./MBA), 2 yr. M.B.A., 2 yr. M.Tech., full timeand part time Ph. D. courses/programmes in Engineering and Basic/ Earth/Social/Applied Sciences, Humanities and Management disciplines. Other details regarding the Institute and its activities may be obtained from its website **www.iitism.ac.in**.

The Institute invites application from Indian Nationals for appointment the following non-teaching post:

Sl. No.	Name of the post(s)	No. of Vacancies	Level in the Pay Matrix of 7th CPC	Remarks
1	Assistant Systems Engineer (System Administration)	01 (UR)	Pay Level-10	These posts are suitable also for Divyang candidate having the following categories of benchmark disabilities (a) Low Vision (b) Hard of hearing and (c) Locomotor disability including cerebral palsy, leprosy cured, dwarfism, acid attack victims and muscular dystrophy.
2.	Assistant Systems Engineer (Network Administration)	01 (UR)	Pay Level-10	
3.	Assistant Systems Engineer (HPC & Cloud Management)	01 (UR)	Pay Level-10	
4.	Assistant Systems Engineer (IT Security)	01 (UR)	Pay Level-10	

Eligibility Conditions:

Assistant Systems Engineer (System Administration)   **Pay Level- 10**   **Age Limit: 40 Years**
Educational Qualification and Experience-   **Essential:**   **1st class B.Tech in CSE/M.Sc (IT)/ MCA or equivalent** with 6 years of relevant experience in Govt.Org/ Institute and/ or Reputed Computer Organisation/ Industry

OR First Class M.E./ M.Tech in CSE with 4 years' of relevant experience in Govt. Org./ Institute and/ or Reputed Computer Organisation/ Industry.

Note: **The above mentioned qualifying degrees are essential. The candidates not possessing the same shall not be considered.**

Desirable Skills and Experience:

Sound knowledge and Experience of System administration in Unix/Linux; Maintenance and upgradation of Linux kernel. Understanding of server system hardware and Linux system internals; Sound knowledge of open source software like Moodle, Open LDAP, Apache Server, Tomcat, Mail Server etc.; Systems and networking software, hardware and networking protocols. Experience in scripting and automation tools. A proven track record of developing and implementing IT strategy and plans Knowledge of implementing and effectively developing helpdesk and IT operations best practices, including expert knowledge of security, storage, data protection, and disaster recovery protocols.

Desirable Certification:

Oracle Linux System Administrator (Oracle) And/Or Red Hat Certified Engineer (RHCE) And/Or CompTIA Server+.

Assistant Systems Engineer (Network Administration)
Pay Level-10
Age Limit: 40 Years

Educational Qualification and Experience-

Essential:

1st class B.Tech in CSE/M.Sc (IT)/ MCA or equivalent with 6 years of relevant experience in Govt.Org/ Institute and/ or Reputed Computer Organisation/ Industry **OR** First Class M.E./ M.Tech in CSE with 4 years' of relevant experience in Govt. Org./ Institute and/ or Reputed Computer Organisation/ Industry.

Note: **The above mentioned qualifying degrees are essential. The candidates not possessing the same shall not be considered**.

Desirable Skills and Experience:

Strong Knowledge of Networking software, hardware, and networking protocols. To have the analytical skills to understand where a problem is originating from. Comprehensive knowledge of network protocols and services. A proven track record of designing/ maintaining/ securing campus network. Troubleshooting skills of network functions such as security, servers, and routing. Being able to collaborate with other members of staff and work as a team to achieve institute' goals.

Desirable Certification:

CCIE (Cisco) And/Or CCNP (Cisco) And/Or Network+ (CompTIA) And/Or Certified Wireless Network Professional (CWNP) And/Or WCNA (Wireshark)

Assistant Systems Engineer (HPC and Cloud Management)
Pay Level- 10
Age Limit: 40 Years

Educational Qualification and Experience-

Essential:

1st class B.Tech in CSE/M.Sc (IT)/ MCA or equivalent with 6 years of relevant experience in Govt.Org/ Institute and/ or Reputed Computer Organisation/ Industry

OR First Class M.E./ M.Tech in CSE with 4 years' of relevant experience in Govt. Org./ Institute and/ or Reputed Computer Organisation/ Industry.

Note: **The above mentioned qualifying degrees are essential. The candidates not possessing the same shall not be considered.**

Desirable Skills and Experience:

Experience of integrating systems or designing solutions for HPC workloads, Cloud administration, Cloud Migration and Deployment within Multi-Cloud Environments, Management of VMs in cloud environment Experience of creating and maintaining Virtual Environments. Experience and sound knowledge of VMWare Management (Migration, HA Mode, PSC, Vcenter appliance Mgmt, P2V, V2V). Sound knowledge of various OS like CentOS, RedHat, Ubuntu Linux as well as Windows. Experience and sound knowledge of Backup and Storage Management (Backup VM, Application, file system and Restoration). Working knowledge and Experience of Programming/Scripting capabilities in languages such as PHP, Python and C/C++. Experience of troubleshooting system problems – software and hardware. Experience with system management, monitoring/alerting tools. Understanding of Git, Github, or other version control system. Knowledge of parallel processing (problem decomposition and work distribution), parallel programming, computer architectures and clusters would be valuable. Experience and knowledge on Deep Learning libraries would be valuable.

Desirable Certification:

Certificate in LINUX etc., such as Red Hat Certified System Administrator (RHCSA) And/Or Red Hat Certified Architect (RHCA) And/Or Red Hat Certified Engineer (RHCE) And/Or VMware Certified Technical Associate (VCTA) And/Or VMware Cartified Professional (VCP) And/Or Amazon Web Services (AWS) Certification And/Or IBM Certified Solution Architect.

Assistant Systems Engineer (IT Security)
Pay Level- 10
Age Limit: 40 Years

Educational Qualification and Experience-

Essential:

1st class B.Tech in CSE/M.Sc (IT)/ MCA or equivalent with 6 years of relevant experience in Govt.Org/ Institute and/ or Reputed Computer Organisation/ Industry **OR** First Class M.E./ M.Tech in CSE with 4 years' of relevant experience in Govt. Org./ Institute and/ or Reputed Computer Organisation/ Industry.

Note: **The above mentioned qualifying degrees are essential. The candidates not possessing the same shall not be considered**.

Desirable Skills and Experience:

Sound knowledge and Experience in Penetration Testing and fixing such issues. Sound knowledge and Experience in conducting VAPT of websites, Web applications, and network devices; Experience in security incident and event management, threat hunting, penetration testing and/or Securing Software Development Lifecycles (SDLC). Experience in design and architecture of cyber security and networking Experience of working in a team.

Desirable Certification:

Certified Ethical Hacker (CEH) And/Or Certified Information Security Manager (CISM) And/Or Certified Information Systems Security Professional (CISSP)

Note: i) A single pdf containing the proof of all requisite educational qualifications must be uploaded with the application.

ii) A single pdf of all experience certificates must be uploaded with the application.

GENERAL INSTRUCTIONS TO THE CANDIDATES

1	In the case of candidates who have served the Institute or other IITs/NITs/CFTIs etc. for at least three years on regular post, the maximum age limit may be relaxed by 5 years. (No age relaxation for the employees from private organizations shall be admissible under this clause.) Age relaxations as per GoI norms shall also be admissible to the regular employees of Central/State Governments; Ex-Servicemen, Divyang candidates etc.
2	(a) The Institute reserves its right to place a reasonable limit on the total number of candidates to be called for selection process. (b) Fulfilment of qualifications per-se does not entitle a candidate to be called for selection process. (c) The Institute reserves the right not to fill up the posts, cancel the advertisement in whole or in part without assigning any reason and its decision in this regard shall be final.
3	The closing date for submission of application shall be considered the cut-off date for age, educational qualification and experience etc.
4	The Institute reserves the right to assign/ transfer the selected candidates to any section/ department within the Institute and appointments will be offered accordingly.
5	(a) The Institute reserves the right to relax experience in the case of candidates serving in Government Departments/ IITs/ NITs/ Central Autonomous Bodies in analogous positions. (b) Higher initial basic pay may be given to exceptionally qualified and deserving candidate(s).

6	The Selection Process will be as under:
	(A) Practical Skill Test – Qualifying nature
	
	(B) Main Exam
	    Step I: Written Test* - 80 marks
	    Step II: Computer/ Trade Test* - 20 marks
	               Total - 100 marks
	
	*Above mentioned tests will be conducted wherever required.
	
	The Committee constituted to conduct the Written Test and Trade Test/ Computer Test will decide the minimum qualifying marks for Written & Trade Test/ Computer Test.
	
	The answer sheets of Written test and Trade Test/ Computer test of the candidates declared qualified in the Practical Skill test shall be evaluated.
	
	Only the candidates who will qualify the Written & Trade / Computer Test (step I&II) will be called for Presentation & Interview of the selection process. The final selection will be on the basis of presentation and interview before the Selection Committee.
	
	Written test and Practical Skill Test for each post will be conducted separately.

7	No TA will be paid for written/Computer/skill tests.
8	The candidate recommended for Presentation and Interview will be paid for the train journey by AC-III Tier by the shortest direct route on submission of claim and tickets.
9	**Recruitment Fee and mode of payment: Recruitment fee Rs. 1000/- to be paid for each post separately (if applying for more than one post) through SBI collect link available on the website of the Institute** https://www.onlinesbi.com/sbicollect/icollecthome.htm?corpID=272342 and the payment details are to be filled in the application form. Note: SC/ST/ Ex-Servicemen and Female candidates are exempted from payment of recruitment fee.
10	**Application is required to be submitted online separately for each post (if applying for more than one post) latest by 23rd July, 2022 using the Non-Faculty Recruitment module available on the link** https://nfr.iitism.ac.in/index.php/recruitment/User_login Notes: i) Applications received after the closing dates and incomplete applications will be summarily rejected. ii) The applicants should keep visiting the website of the Institute for any information related to the recruitment process. iii) The candidates applying for the post(s) should ensure that they meet all the eligibility conditions. If at any stage it is found that the candidate is not meeting the eligibility conditions, his/her candidature will be summarily rejected. iv) The persons presently employed the Central Government/ State Govt. / Union Territory Administration/ Central or State Autonomous Bodies/ Central or State PSUs are to submit **No Objection Certificate (NoC)** from their employer for applying against this advertisement. They may submit their application without NoC, but the same shall be treated as Advance Copy and such candidates shall be required to submit NoC at the time of Interview, failing which their candidature may not be considered.
11	Legal disputes, if any, regarding the above will be restricted within the jurisdiction of Dhanbad only.

Registrar (Actg.)

To, Webmaster to upload on website of the Institute.