भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद
धनबाद– 826 004 (झारखण्ड), भारत
Indian Institute of Technology (Indian School of Mines), Dhanbad
Dhanbad – 826 004 (Jharkhand), India

No. 411002/14/2023-NFR   Dated: 1st August, 2023

**ADVERTISEMENT FOR THE POST(s) OF ASSISTANT SYSTEMS ENGINEER
(System Administration/ Network Administration/ HPC & Cloud Management/IT
Security)**

Indian Institute of Technology (Indian School of Mines), Dhanbad formerly known as Indian School of Mines, Dhanbad established in 1926 has 17 full-fledged departments offering undergraduate, postgraduate and doctoral level courses in various branches of Engineering, Pure and Applied Sciences, Management and Humanities & Social Sciences. 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 to 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	

*Backlog Vacancies

Eligibility Conditions:

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

Educational and other Qualification

Essential:

1st class B.Tech/ M. SC in CSE with 6 years of relevant experience in Govt.Org/ Institute and/ or Reputed Computer Organisation/ Industry in Pay Level – 7

OR

First Class M.E./ M.Tech in CSE with 4 years' experience in Govt. Org./ Institute and/ or Reputed Computer Organisation/ Industry in Pay Level – 7.

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 and other Qualification-

Essential:

1st class B.Tech/ M. SC in CSE with 6 years of relevant experience in Govt.Org/ Institute and/ or Reputed Computer Organisation/ Industry in Pay Level – 7

OR

First Class M.E./ M.Tech in CSE with 4 years' experience in Govt. Org./ Institute and/ or Reputed Computer Organisation/ Industry in Pay Level – 7.

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
<u>**Educational and other Qualification**</u>
Essential:
1st class B.Tech/ M. SC in CSE with 6 years of relevant experience in Govt.Org/ Institute and/ or Reputed Computer Organisation/ Industry in Pay Level – 7
OR
First Class M.E./ M.Tech in CSE with 4 years' experience in Govt. Org./ Institute and/ or Reputed Computer Organisation/ Industry in Pay Level – 7.
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
<u>**Educational and other Qualification**</u>
Essential:
1st class B.Tech/ M. SC in CSE with 6 years of relevant experience in Govt.Org/ Institute and/ or Reputed Computer Organisation/ Industry in Pay Level – 7
OR
First Class M.E./ M.Tech in CSE with 4 years' experience in Govt. Org./ Institute and/ or Reputed Computer Organisation/ Industry in Pay Level – 7.

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:-

(a) A single pdf containing the proof of all requisite educational and other qualifications must be uploaded with the application.

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

(c) The above mentioned qualifying degrees are essential. The candidates not possessing the same shall not be considered.

GENERAL INSTRUCTIONS TO THE CANDIDATES

1	The Institute reserves its right to place a reasonable limit on the total number of candidates to be called for selection process.
	Fulfillment of qualifications per-se does not entitle a candidate to be called for selection process.
	Admission of the applicants to any stage of the selection process will be purely provisional subject to confirmation that they satisfy the prescribed eligibility conditions. Mere issue of registration certificate/ Admit card/ call letter will not imply that his/ her candidature has been found eligible.
	The Institute reserves the right not to fill up the posts, cancel the Advt. in whole or in part without assigning any reason and its decision in this regard shall be final.
2	In the case of candidates, serving in 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.
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.
	Higher initial basic pay may be given to exceptionally qualified and deserving candidate(s).
5	A preliminary shortlisting of the candidates shall be made on the basis of essential qualifications and experience mentioned in the advertisement.

	The final selection will be on the basis of performance of the shortlisted candidates in Presentation and Interview before the Selection Committee. Institute reserves its rights to decide the method of shortlisting the candidates for Presentation & Interview, in case large number of applications are received. Written Test and Computer/ other Test may be conducted, as per Recruitment Rules of IIT (ISM) Dhanbad, if required.
6	To-and-fro rail fare by the shortest route being limited to AC-3 tier for the journey made from normal place of residence in India to Dhanbad will be reimbursable only to the candidates shortlisted for Presentation and Interview, subject to submission of claim along with tickets. The Institute also reserves the right to conduct the presentation and interview in online mode depending upon the situation.
7	**Recruitment Fee and mode of payment:** Recruitment fee Rs. 1000/- to be paid through SBI collect link available on the website of the Institute **https://www.onlinesbi.sbi/sbicollect/icollecthome.htm** (Select category: *Educational Institutions*, Filter by State: *Jharkhand*, Search for Educational Institution: *IIT (ISM), Dhanbad)* and the payment details are to be filled in the application form. (**Application fee is Non-refundable)** Note: SC/ST/PwDs/Ex-Servicemen/Female candidates are exempted from payment of recruitment fee.
8	Application is required to be submitted online latest by 31st August, 2023 using the Non-Faculty Recruitment module available on the link https://nfr.iitism.ac.in/index.php/recruitment/User_login **Notes:** Applications received after the closing dates and incomplete applications (incomplete information, without relevant supporting and complete documents) will be summarily rejected. All details furnished in the online application will be treated as final and no changes shall be entertained later. Applicant will be solely responsible for the entries made in the application form. Applicants are advised to fill their correct and active mobile number and e-mail address during registration/in the online application. 'Relevant experience/ Experience' means experience related to the area of the post advertised. Scrutiny committee will determine relevancy of experience and its decision will be final and binding. Applicants who have submitted experience certificate, mentioning the pay scales other than Central Govt. Pay Scales/ CDA pattern, should mandatorily submit equivalence certificate for consideration of their experience. Else, experience would not be considered. The applicants should keep visiting the website of the Institute for any information related to the recruitment process. Updates/ Modification/Amendments in the advertisement and information regarding recruitment test and its result would be published in the official website of the Institute. 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.
	The persons presently employed in 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.
	Candidates are advised to fill the application form and deposit the exam fee, without waiting for the last date to apply. Delay due to internet connectivity and any other issue will not be entertained.
9	Legal disputes, if any, regarding the above will be restricted within the jurisdiction of Dhanbad only.

Registrar (Actg.)