



भारतीय प्रौद्योगिकी संस्थान कानपुर
Indian Institute of Technology Kanpur
अधिष्ठाता प्रशासन कार्यालय
Office of Dean, Administration

Date - 23-03-2022

Advertisement No. REO/DOAD/2022/01

Indian Institute of Technology Kanpur an Institute of national importance, has been in the forefront of engineering & technology education and research & development. The Institute derives strength from its philosophy, vision and values that has led to achievement of academic excellence and promotion of high order technological research. The Office of Dean, Administration is looking for suitable Indian nationals including Persons of Indian Origins (PIOs) and Overseas Citizens of India (OCIs) for appointment on the following temporary positions for short-term R&D Projects on contractual basis for a period of maximum five years.

Designation		No. of Posts	Level (as per 7 th CPC)	Total Emoluments*
Senior REO		02	12	Rs. 1,40,000/- per month (approx.)
REO (Grade I)		01	11	Rs. 1,23,000/- per month (approx.)
REO (Grade II)		05	10	Rs. 1,03,500/- per month (approx.)
Total		08		
Maximum age limit	Senior REO	48 years i.e. born on or after 23-04-1974		Please see the point no. 3 of General information and conditions for age relaxations
	REO (Grade I)	45 years i.e. born on or after 23-04-1977		
	REO (Grade II)	40 years i.e. born on or after 23-04-1982		
a. The prescribed maximum age shall be determined as on 22-04-2022 which shall be the closing date of application.				
b. Closing date for online application is 22-04-2022.				
1. *Total Emoluments means approximate total emoluments on minimum of Pay Scale in Pay Level (as per 7 th CPC) including House Rent Allowance, Dearness Allowance, Transport Allowance and employer's contribution to NPS.				
2. Reservation will be applicable as per GoI norms.				
The minimum qualification, desirable qualification, experience and job specifications for the above post (s), as per Serial Number with the Post, Department, Cadre, Number of Posts, Pay Scale & Level (as per 7th CPC) are given below:				
➤ Serial Number : 01 ➤ Post : Senior Research Establishment Officer ➤ Department : Chemical Engineering ➤ Cadre : A ➤ Number of Post : 01 ➤ Pay Scale : Rs. 78,800 – 2,09,200 ➤ Level (as per 7th CPC) : 12				

Minimum	Ph.D. in Chemical Engineering/ Chemistry/ Physics/ Mechanical Engineering/ Electrical Engineering with 5 years of relevant experience. OR M.Tech./ M.Sc. or equivalent degrees with 8 years of relevant experience. OR B.Tech./ B.S. with 10 years of relevant experience.
Desirable	• PhD in Chemical Engineering/ Chemistry/ Physics/ Mechanical Engineering/ Electrical Engineering. • Should have exposure and hands-on experience in managing a multi-user research facility which involves handling sophisticated high-value characterization tools like SEM, AFM, XRD, ICPMS, BET-Surface Area Analyzer, TGA, DSC, High-end Optical Microscopes, rheometer, microPIV and cameras, etc. • Experience in experimental lab set up & maintenance, purchase of laboratory equipments & chemicals, writing research proposals for funding, automation and project management. • Experience in generating revenue/ funds from external sources by providing Laboratory Testing Services through long term agreements/ contracts. • Excellent oral and written communication skills in English to interact with & train UG & PG students through both offline and online (Recording Video Lectures) modes.
Job Specification	• To oversee and manage the operation of common experimental research facilities in the department and help the department run the facilities smoothly (maintenance & upkeep of equipments, maintenance of manuals, addressing safety issues, training users, maintaining record of revenue generation). • To help in data acquisition and analysis in the area of expertise of the applicant. • To assist the department in the upgradation and establishment of teaching and research laboratories, procurement of new instruments and their maintenance, preparation of lab manuals, active participation in the conduct of lab courses, assistance in writing proposals, training of research staff & students and any other duty assigned by the HoD.
➤ Serial Number : 02 ➤ Post : Senior Research Establishment Officer ➤ Department : Centre for Cyber Security & Cyber Security of Critical Infrastructure ➤ Cadre : B ➤ Number of Post : 01 ➤ Pay Scale : Rs. 78,800 - 2,09,200 ➤ Level (as per 7th CPC) : 12	

Minimum	Ph.D. in Computer Science + 5 years experience OR M.Tech. or M.Sc. in Computer Science + 8 years experience
Desirable	• PhD degree • Research and Publication Experience in the field of Network Analytics, especially Social Network Analysis, Blockchain Technology, Cryptocurrency and Smart Contract Analysis • Demonstration of research capabilities through internationally recognized publication record • Experience in Developing Software Related to Blockchain Technology, Social Network Analytics, Complex Networks, Cryptocurrency Forensics • Experience in supervising graduate students, undergraduate research projects • Outstanding skills in written and oral communications
Job Specification	A successful candidate will be tasked to do the following: • Carryout Projects with Law Enforcement Authorities on Cryptocurrency Forensics to determine movement of cryptocurrency through a blockchain platform • Development of Models and Methods for Detecting Cryptocurrency security problems, cryptocurrency misuse and malicious activities in crypto blockchains • Develop regulatory policies for regulating and securing crypto-assets • Develop regulatory framework for Nonfungible Tokens (NFT) • Research security of smart contracts, and develop tools and methods for detecting security vulnerabilities in crypto platforms • Develop and research new methods inspired by social network analytics and complex systems to monitor and detect activities against regulatory policies in cryptocurrency frameworks • Closely supervise PhD students, Masters students and Undergraduate research students in the area of blockchain research especially in cryptocurrency, NFT, novel consensus mechanisms • Publish papers in reputable journals and conferences based on the work • Present cryptocurrency related research, as well as policy recommendations both to research forums, as well as regulators on a regular basis • Train new students, regulators, and anyone interested in cryptocurrency mechanics, security, and other issues
➤ Serial Number : 03 ➤ Post : Research Establishment Officer (Grade I) ➤ Department : Chemical Engineering ➤ Cadre : A ➤ Number of Post : 01 ➤ Pay Scale : Rs. 67,700 - 2,08,700 ➤ Level (as per 7th CPC) : 11	

Minimum	Ph.D. in relevant Engineering Discipline OR M.E./M.Tech. + 3 years of relevant experience OR B.E./ B.Tech. + 5 years of relevant experience
Desirable	• Relevant Certifications from Red Hat, CompTIA or an equivalent agency. • Experience in setting up and maintaining computational facilities including clusters and servers • Experience in maintaining IT infrastructure at academic or commercial establishments.
Job Specification	The REO position is required to maintain computational facilities (like servers & clusters) in the department laboratories.
➤ Serial Number : 04 ➤ Post : Research Establishment Officer (Grade II) ➤ Department : SIIC ➤ Cadre : A ➤ Number of Post : 01 ➤ Pay Scale : Rs. 56,100-1,77,500 ➤ Level (as per 7th CPC) : 10	
Minimum	Post Graduate (M.B.A.) from a recognized University
Desirable	• Minimum of 4 year of Experience of Technology Transfer & Licensing Activities from a reputed organization like IITs, IISc or IISERs • Clear understanding of Technology Licensing issues pertaining to contracts and agreements • Candidates having previous experience of Technology promotion through websites, social media and other platforms.
Job Specification	• Technology Valuation, Licensing Negotiating with Industry Partners. • Technology Marketing, Preparing Technology Briefs, Dissemination of Latest Technology through Social Media, Website Updation, Participating in Technology Fairs. • Deliver Presentations in Capacity Building Programmes On IP and Technology Transfer Organized by the TTO • Lead the Branding Activities through Preparation of Corporate Presentations, Outreach Material, Mailers and Participation in Relevant Meetings/ Events. • Identify, Review and Build Relationships with Potential Partners/ Licensees through Primary and Secondary Research. • Promotion of Technology Transfer Activities, Agreement Drafting/ Interpretation & Execution. • Evaluation & Assessment of Technical Report of Inventions, Market Assessment of Technologies, Their Techno-Commercial Feasibility and Valuation

	- Facilitating Technology Transfer Support to Faculty Members & Students. - Assisting the Institute Level Tech Transfer Committees, as a Connecting Link between the Industry Partner and the Institute. - Supervising the Technology Transfer Activities, Preparation of Valuation & Due Diligence Reports.
➤ Serial Number : 05 ➤ Post : Research Establishment Officer (Grade II) ➤ Department : Computer Center (Email services) ➤ Cadre : A ➤ Number of Post : 01 ➤ Pay Scale : Rs. 56,100-1,77,500 ➤ Level (as per 7th CPC) : 10	
Minimum	B.Tech./ B.E./ M.C.A./ M.Sc. in Computer Science/ IT/ Electronics Engineering
Desirable	- Demonstrated working experience in complex application development is a must for the platforms such as android, iOS, desktop, and web. - Must have a good understanding and experience in software project management, SDLC, software architecture, and product life cycle management. - Must have exposure to secure software development practices. - Good understanding of IMAP and SMTP protocols. - Must have good hands-on experience on Linux operating system. - UI/UX designs and translate them into code. - Working on projects of large-scale applications will have added advantages. 2/5 years of relevant experience. A higher proven experience is preferred.
Job Specification	The successful candidate is expected to support the Institute email administrator in - Developing and maintaining email and associated web and application services. - Maintaining and managing webmail services, feature improvements, and bug fixing. - Continuous quality improvement of the developed applications and tools. - Support service to a large number of users.
➤ Serial Number : 06 ➤ Post : Research Establishment Officer (Grade II) ➤ Department : Computer Center (Facility Management Services) ➤ Cadre : A ➤ Number of Post : 01 ➤ Pay Scale : Rs. 56,100-1,77,500 ➤ Level (as per 7th CPC) : 10	

Minimum	B.Tech./ B.S. in (CSE/IT)/ M.C.A. with 2 years relevant experience
Desirable	Certification in the areas of Azure cloud services, Virtualization and Windows system administration from reputed organizations. Higher experience than that asked for in the essential qualification and Experience section in the relevant areas may be preferred. The desired experience for the candidate includes (but is not limited to) the following areas: • Windows system administration on server as well as endpoints in IITs or other technical institutes of higher education. • Design, configuration, and deployment of large number of computers, servers and managing active directory with over 7000 users • Experience with WDS, KMS and Virtualization using Hyper V and VMWare ESXi. • Experience with Exchange Online and Office 365 administration including Azure AD • Experience in Windows PowerShell, Exchange management shell, scripting, coding in Python, CSS and HTML
Job Specification	The successful candidate is expected to handle the following: • administration and troubleshooting of Windows Servers • Creating and managing user accounts on active directory and Azure AD • Design and development of in-house customized Windows Deployment Service and using it to mass deploy computer systems • Installation, configuration, and maintenance of license servers for various technical software • troubleshooting of various software execution and installation issues institute wide physically as well as using remote tools • Creating and Configuring Virtual Machines in Hyper-V and VMWare ESXi • Designing and deployment of KMS licensing services • providing support to faculty, staff, and students to troubleshoot problems on their Windows/Mac and Android endpoints.
➤ Serial Number : 07 ➤ Post : Research Establishment Officer (Grade II) ➤ Department : Computer Center (Institute Website services) ➤ Cadre : A ➤ Number of Post : 01 ➤ Pay Scale : Rs. 56,100-1,77,500 ➤ Level (as per 7th CPC) : 10	
Minimum	B.Tech./ B.S. in (CSE/IT)/ M.C.A. with 2 years relevant experience

Desirable	The desired experience for the candidate includes (but is not limited to) the following areas: • To work independently as part of the development of websites using CMS Joomla, Drupal, WordPress, Bootstrap, Php, Java, JavaScript, CSS, etc. • Must be Database Certified. Should also have knowledge of databases (SQL, PL/ SQL, etc.). Understanding of database server operations and their connectivity with other programming languages. • Must have experience in Software development using CI/ AJAX/ JavaScript/ CSS/ PHP/ MySQL/ jQuery/ Responsive Framework/ NodeJS/ React etc. • Should also have knowledge of Photo editing software like Photoshop, CorelDraw, etc. • Good understanding of Linux System Administration, Web Server and database Admonition (DBA) operations and its connectivity with other databases and programming languages. • Experience in backup, recovery, performance tuning, and data archrivals. • Additional Certification regarding Cloud Architecture will be preferred. • Must have experience in handling payment gateway. • Troubleshooting server and network issues, LDAP/AD authentication, experience in project management, etc. • Outstanding organizational and leadership abilities. • Excellent interpersonal and public speaking skills. • Aptitude in decision-making and problem-solving. • Experience in managing/ dealing with personnel (skilled and unskilled) involved in requirement gathering, development, testing, and development. • Candidates with more relevant experience will be preferred.
Job Specification	The successful candidate has to interact with different teams for requirement gathering and then design, develop, test the dynamic websites as per the requirement and host them on the Institute Webserver. Maintenance of existing Websites running in Joomla, Drupal, WordPress, etc. Support for database migration, troubleshooting web-based applications, database-driven applications, web-based LDAP authentication, and other client interacted issues related to the web. He should be capable to administrate and troubleshoot Linux Web Server and Database Servers. He should also be responsible for making enhancements in the existing software, planning for proper backup and recovery schedule for Database, System, and Web servers to endure maximum availability, scalability, and reliability of the system without any data loss.

➤ Serial Number : 08 ➤ Post : Research Establishment Officer (Grade II) ➤ Department : Computer Center (Pingala) ➤ Cadre : A ➤ Number of Post : 01 ➤ Pay Scale : Rs. 56,100-1,77,500 ➤ Level (as per 7th CPC) : 10	
Minimum	B. Tech./ B. S./ M.Sc. in (CSE/ IT)/ M.C.A. with 2 years relevant experience OR M. Tech. (CSE/ IT)
Desirable	The desired experience for the candidate includes (but is not limited to) the following areas: • Candidate should have the real-time exposure in Complete Software development lifecycle (SDLC) to manage the software projects and play an important role in the successful completion of the projects. • Good understanding and experience in project proposal, project cost estimation, scheduling, project staffing, software process tailoring, project monitoring and control, software configuration management, risk management, managerial report writing and presentation and interfacing with end-user and stake holders of the software. • Candidate should have the capabilities to lead the software development team, motivate them, tracking the progress, writing Project related documentation and liaison with development team, clients and end-users. • Good Knowledge of project management technics for successful completion and delivery of the projects, and should have experience in effort, cost and time estimation of the Academic software projects. • Proficiency in working with SQL, PL/SQL, PostgreSQL, MySQL for database design, management and information retrieval from geospatial and relational databases. • Hands on experience in analysis, design, development, testing and implementation of realtime Academic software development using latest tools and framework • Strong programming skills in Java, JSP, Servlet, HTML5, Bootstrap, Spring and Hibernate. • Good understanding of Linux System Administration, Web Server and database Admonition (DBA) operations and its connectivity with other databases and programming languages. • Experience in backup, recovery, performance tuning and data archrivals. • Good communication skills in English and Hindi. • Candidate the more relevant experience will be given preference.

Job Specification	The successful candidate is expected to support in design, development, implementation and enhancement of the institute automation system using Java, JSP, Servlet, Spring, Hibernate, Bootstrap, RDMS on Linux and Apache-Tomcat web server. This also involves the overall responsibilities to manage the software projects and play an important role in the successful completion of the projects. He should also be responsible for making enhancement in the existing software, planning for proper backup and recovery schedule for Database, System and Webserver to endure maximum availability, scalability and reliability of the system without any data loss. The candidates should have excellent communication skill to interact with software development team, end-users and other stake holders. He should also be responsible to understand any new requirements comes from end-user, Govt. Audit or MHRD and translate into the technical requirement and support in implementing it the existing system without affecting the running system. Very good understanding and real-time experience to manage the database, operating systems and webserver to run the Institute Automation services in 24*7 mode. As a member he should be responsible to apply various security protocols and patches at database, web servers, Application Software to make the system robust and secure.
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General information and conditions:

1. Benefits, terms and conditions under DOAD service:

- a. These posts carry Dearness Allowance (DA), House Rent Allowance (HRA) and Transport Allowance (TA) as admissible to the central government employees and as made applicable to the Institute.
- b. In addition to the emoluments indicated against each category of posts, benefits such as applicability of National Pension System 2004, facility of health centre for self and dependents are available as per the Institute rules.
- c. As REOs are purely temporary & contractual positions, benefits that are applicable only to permanent employees of the Institute (e.g. LTC with leave encashment, Personal Computer Advance, Children Education Allowance, Leave Encashment, Telephone Bill Reimbursement, Reimbursement of Newspaper bill) will not be applicable to them.
- d. Each appointment will be made on contractual basis initially for a period of maximum three years, extendable up to two years on noteworthy performance.
- e. Earned leave, half pay leave and casual leave will be admissible as per rule.

2. Other conditions

- a. The applicant must be a citizen of India. Persons of Indian Origins (PIOs) and Overseas Citizens of India (OCIs) will also be considered.

- b. All applicants must fulfill the essential requirements of the post and other conditions stipulated in the advertisement as on the last date of receipt of the applications. They are advised to satisfy themselves before applying that they possess at least the essential qualifications laid down for various posts as on the last date of receipt of the applications. No enquiry asking for advice as to eligibility will be entertained.
- c. The prescribed essential qualifications are the minimum and the mere possession of the same does not entitle candidates to be called for interview. The duly constituted Screening Committee may adopt its own criteria for shortlisting the candidates. The candidate should therefore, mention in the application all the qualifications and experiences in the relevant area over and above the minimum prescribed qualification, supported with self-certified documents. Completion of Ph.D. degree will be reckoned from the date of issue of provisional certificate/ notification.
- d. The prescribed qualifications should have been obtained through recognized Universities/ Institutions. Incomplete application/applications received or not accompanied with the required certificates/ documents/ Fees are liable to be rejected.
- e. In respect of equivalency clause in Essential Qualifications, if a candidate is claiming a particular qualification as equivalent qualification as per the requirement of the advertisement, then the candidate is required to produce at the time interview the relevant certificate in this regard, indicating the Authority (with number and date) under which it has been so treated otherwise the application is liable to be rejected.
- f. The period of experience rendered by a candidate on part time basis, daily wages, visiting/ guest faculty will not be counted while calculating the valid experience for short listing the candidates for interview.
- g. If any document/ certificate furnished are in a language other than Hindi or English, a transcript of the same duly attested by a Gazetted officer or notary is to be submitted.
- h. The date for determining the upper age limit, qualification and/ or experience shall be the closing date prescribed for receipt of applications.
- i. The period of experience shall be counted after the date of acquiring the minimum prescribed educational qualifications.
- j. Persons with disabilities (PWD) fulfilling the eligibility conditions prescribed under GoI instructions are encouraged to apply.
- k. In case a candidate is staying abroad, his/ her candidature may be considered in absentia by the Selection Committee on his/ her written request.
- l. The Selection Committee may choose to place the candidate in any of the Pay Scale within the Pay Level depending upon the performance of the candidate and subject to meeting the minimum eligibility criterion specified.

- m. Only outstation candidates called and found eligible for interview will be paid to and from single second AC rail fare from the actual place of undertaking the journey or from the normal place of their residence whichever is nearer to Kanpur on production of Rail Tickets/ Rail Ticket Numbers or any other proof of journey. Any discrepancy found between the information given in application and as evident in original documents will make the candidate ineligible for appearing in interview. Such candidate will not be paid any fare.
- n. The decision of the Institute in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, and conduct of examination/ interview will be final and binding on the candidates.
- o. 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.
- p. Canvassing in any form and/ or bringing any influence will be treated as a disqualification for the post.
- q. In case of Universities/ Institutes awarding CGPA/SGPA/OGPA grades, candidates are requested to convert the same into percentage based on the formula as per their Universities/ Institutes.
- r. Application with relevant document must be submitted online only. No hard copy need to be sent.
- s. **No Interim Enquiry or Correspondence will be Entertained.**

3. Relaxations:

- a. The upper age limit is relaxable upto five years for SC/ ST and three years for OBC as per rule, on production of relevant certificate in the prescribed format signed by the specified authority at the time of interview.
- b. Upper age limit is also relaxable upto five years for the regular employees working in Institute laboratories/ Institutes, Government departments, autonomous bodies and public sector undertakings.
- c. Relaxation in upper age limit for Persons with Disabilities and ex-servicemen will be as per rules.
- d. Relaxation in age, over and above the stipulated limit, educational qualification and/ or experience may be considered in case of exceptionally meritorious candidates or if sufficient number of candidates possessing the requisite qualification and/ or experience is not available to fill up the posts.
- e. Regular employees of IITs who are educationally qualified and otherwise eligible can be considered for the recruitment up to fifty years of age.
- f. Age relaxation for Project Employees working in IIT Kanpur will be as per the Office Order No. DIR/IITK/2019/OO-73 dated July 04th, 2019.

4. How to apply:

- a. Eligible candidates are required to apply only through **ONLINE portal www.iitk.ac.in/doad/reo-recruitment**.

- b. If the candidate does not have a valid email id, he/ she should create a new valid email id before applying online.
- c. Online Application will be available on our website from 23-03-2022 to 22-04-2022.
- d. Application fee of Rs. 1000/- shall be paid through online portal except for Exempted Category. The candidates belonging to SC/ST/PWD/Women/Abroad candidates category are exempted from submission of application fee.
- e. Application once made will not be allowed to be withdrawn and fees once paid will not be refunded on any count nor can it be held in reserve for any other recruitment or selection process.
- f. Applications from employees of Government departments will be considered only if forwarded through proper channel, certified by the employer that the applicant, if selected will be relieved within one month of the receipt of the appointment orders. Also, vigilance clearance should also be recorded. However, advance copy of the application may be submitted before the closing date. Applications routed through proper channel should reach Institute at the earliest.

Following documents need to be uploaded/ paid while submitting online form:

- a. Online Payment of Rs. 1000/- as application fee, where applicable.
- b. Recent colored photograph and signed must be uploaded.
- c. Self-attested photocopy of Date of Birth certificate.
- d. Self-attested photocopies of educational certificates.
- e. Self-attested photocopies of experience certificates, if any.
- f. Self-attested photocopy of caste certificate, if applicable.

Important Note:

1. Any Amendment/ Corrigendum/ Submission date extension in respect of above advertisement shall be issued on our website www.iitk.ac.in/doad/reo-recruitment only and no separate notification shall be issued in the newspaper/ press. Candidates are therefore requested to regularly visit our website to keep themselves updated.
2. In case of any dispute, decision of the Director, IIT Kanpur, shall be final.

Advertisement No. REO/DOAD/2022/01

Date - 23-03-2022

Copy forwarded to:

- a) All Heads of Departments/ Sections/ IDPs/ Centres/ Units with the request to extend it wide publicity.
- b) Also to the following for information, please.

(i) Director's Office	(ii) Deputy Director's Office
(iii) SC/ST Cell	(iv) Notice Boards

Sd/-
Deputy Registrar,
Office of Dean, Administration, FB-211
Indian Institute of Technology Kanpur
Uttar Pradesh - 208016