



Indian Institute of Technology, Kanpur

The Office of Research & Development

Advt. No.: REO/R&D/2016/01

Date: 14.10.2016

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 Institute's R&D Division is looking for suitable Indian nationals including Persons of Indian Origins (PIOs) and Overseas Citizens of India (OCIs) for appointment on the following positions for short-term R&D Projects on contractual basis for a period of maximum five years.

Designation	No. of Posts	Pay Band	Grade Pay	*Total Emoluments
REOs (Grade I)	3	PB-3	Rs. 6600	Rs. 75014 per month (approx.)
Senior REOs	2	PB-3	Rs. 7600	Rs. 86115 per month (approx.)
Total	5			
Maximum age limit	REOs (Grade I)	45 years i.e. born on or after 15.11.1971		Please see the point no. 3 of General information and conditions for age relaxations
	Senior REOs	48 years i.e. born on or after 15.11.1968		
a. The prescribed maximum age shall be determined as on 15.11.2016 which shall be the closing date of application.				
b. Closing date for online application is 07.11.2016 upto 5:00 PM and for offline application is 15.11.2016 upto 5:00 PM				
1. *Total Emoluments mean approximate total emoluments on minimum of Pay Band with Grade Pay includes House Rent Allowance, DA, Transport Allowance and employer contribution of NPS.				
2. Reservation will be applicable as per G.O.I. norms.				
The minimum, desirable qualification, experience and job specification for the above post(s), as per Serial Number with the Post, Department, Cadre, No of Post , Post Code & Pay Band is given below:				
<ul style="list-style-type: none">➤ Serial Number: 01➤ Post: Research Establishment Officer (Grade I)➤ Department: Samtel Centre for Display Technologies (SCDT) and National Centre for Flexible Electronics➤ Cadre: A➤ No. of Post: 01➤ Post Code: 002A➤ PB 3: Rs.15600-39100 with Grade Pay Rs.6600/-				
Minimum	B.Tech in Electronics/ Electrical/ Instrumentation Engineering with 5 years of experience			
Desirable	A track record, spanning at least three years, of developing microcontroller/ processor/ FPGA based embedded electronic systems with experience of involvement in the full development cycle from specifications to board level design and implementation. Knowledge of analog and digital design, C++, algorithms, Communications protocols (GSM, Bluetooth, NFC) and DSP is expected.			

Job Specification	The selected person would work with a team of engineers involved in development of flexible electronics based products with the specific responsibility of developing embedded electronics. This would involve taking designs from initial negotiations through requirements capture, system design, hardware design and test to final integration. The projects would require creativity and innovation to solve real world problems for real world customers. In addition to technical skills, the selected candidate should be able to think systematically, logically, creatively and communicate effectively.
	<ul style="list-style-type: none"> ➤ Serial Number : 02 ➤ Post: Research Establishment Officer (Grade I) ➤ Department: Samtel Centre for Display Technologies (SCDT) and National Centre for Flexible Electronics ➤ Cadre: A ➤ No. of Post: 01 ➤ Post Code: 002A ➤ PB 3: Rs.15600-39100 with Grade Pay Rs.6600/-
Minimum	B.Tech in Mechanical/ Electrical/ Electronics Engineering, with additional required experience of at least 5 years relevant to installation, maintenance of semiconductor (and related industry) cleanroom/ equipment/ facilities/ utilities.
Desirable	15 years of relevant experience is strongly desirable. Apart from the additional required experience mentioned above, experience in manpower management, vendor management, documentation and implementation of standard operating procedures, maintaining standard quality practices are desirable.
Job Specification	<ul style="list-style-type: none"> • Cleanroom maintenance: Preventive, scheduled as well as breakdown maintenance and routine maintenance • Gas supply and its maintenance • Planning for cleanroom supplies of regular consumables of cleanroom • Non clean Laboratory maintenance: Planning for new equipment and its utilities (gases, water, electrical & exhaust) • Electrical and UPS planning and maintenance coordination with the Institute • Equipments: Printers, electrical equipments, vacuum systems & other misc. equipment • Over all facility planning and coordination with the users • Building up overall facility management and monitoring system • Orientation and training for cleanroom • Cleanroom management
	<ul style="list-style-type: none"> ➤ Serial Number: 03 ➤ Post: Research Establishment Officer (Grade I) ➤ Department: Samtel Centre for Display Technologies (SCDT) and National Centre for Flexible Electronics ➤ Cadre: B ➤ No. of Post: 01 ➤ Post Code: 002B ➤ PB 3: Rs.15600-39100 with Grade Pay Rs. 6600/-

Minimum	M.Tech / M.Sc. in any area of engineering or sciences plus 3 years of relevant experience or Ph.D. in any area of engineering or sciences
Desirable	Two years experience in research and/or development work experience after submission of PhD thesis, in the area of (organic photovoltaic cell / DSSC) and/or in flexible electronics, technology development and technology transfer and interaction with industry. Experienced in leading a team. Hands on experience in processing, fabrication and characterisation of thin films, devices and/or modules will be looked upon favourably.
Job Specification	<ul style="list-style-type: none"> • Build and lead team(s) of technical experts in flexible solar cells and associated technologies. • Execution of projects related to the product deliverables and research deliverables on organic photovoltaic cell and in flexible electronics as mentioned in the DPR of the FlexE Center. • Product development and organic photovoltaic cell technology transfer to the industry • Work with other teams within NCFlexE towards achieving larger goals of the centre.
<ul style="list-style-type: none"> ➤ Serial Number: 04 ➤ Post: Senior Research Establishment Officer ➤ Department: Samtel Centre for Display Technologies (SCDT) and National Centre for Flexible Electronics ➤ Cadre: A ➤ No. of Post: 01 ➤ Post Code: 003A ➤ PB 3: Rs.15600-39100 with Grade Pay Rs. 7600/- 	
Minimum	Ph.D. in Electronics Engineering plus 5 years relevant experience
Desirable	Broad understanding and experience with analog, mixed signal and RF circuit design including good knowledge of process and layout issues and device modelling. The candidate is expected to have a good grasp of system level issues and be able to lead/ guide project teams independently.
Job Specification	Working with a team of engineers involved in development of flexible electronics based products with the specific responsibility of developing monolithically integrated circuits and systems using novel materials and devices on flexible substrates such as plastic and paper. This would involve taking design from initial negotiations through requirements capture, system design, hardware design and test to final integration. This position is a rare opportunity for a VLSI design engineer to develop next generation of flexible integrated circuits and systems.
<ul style="list-style-type: none"> ➤ Serial Number: 05 ➤ Post: Senior Research Establishment Officer ➤ Department: Samtel Centre for Display Technologies (SCDT) and National Centre for Flexible Electronics ➤ Cadre: A ➤ No. of Post: 01 ➤ Post Code: 003A ➤ PB 3: Rs.15600-39100 with Grade Pay Rs. 7600/- 	

Minimum	Ph.D. in Physics/ Electrical Engineering/ Material Science and Engineering/ Chemical Engineering/ Photonics plus 5 years relevant experience
Desirable	Work experience in processing of OLED and/or flexible electronics, technology development and technology transfer, interaction with industry
Job Specification	Leading a program for development of printable-flexible OLEDs; Development of ITO replacement materials and transparent electronics; Initiate and manage a program on barriers/ encapsulation; manage product development and OLED technology transfer to the industry.

General information and conditions:-

1. Benefits, terms and conditions under R & D 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 New Pension Scheme 2004, facility of health centre for self and dependents are available as per Institute rules.
- c. As REOs are purely temporary, benefits that are applicable only to permanent employees of the institute (e.g., LTC, Motor Car Advances, Personal Computer Advance and House Building Advances) will not be applicable to them.
- d. Each appointment will be made on contractual basis initially for a period of three years, extendable up to 2 years on noteworthy performance.
- e. Deserving candidates may be considered at the time of Interview by the Selection Committee for advance increment/s as per Institute Rules.
- f. 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.
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.
- c. The application should be accompanied by self attested copies of the relevant documents for educational qualification and experience. 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.

- d. 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 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.
- e. 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.
- f. 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.
- g. The date for determining the upper age limit, qualifications and /or experience shall be the closing date prescribed for receipt of applications.
- h. The period of experience shall be counted after the date of acquiring the minimum prescribed educational qualifications.
- i. Persons with disabilities (**PWD**) fulfilling the eligibility conditions prescribed under Gol instructions are encouraged to apply.
- j. In case a candidate is staying abroad, his/her candidature may be considered in absentia by the Selection Committee on his/her written request.
- k. The Selection Committee may choose to place the candidate in any of the Grade Pay within the Pay Band depending upon the performance of the candidate and subject to meeting the minimum eligibility criterion specified.
- l. Only outstation candidates called and found eligible for interview will be paid to and fro 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.
- m. 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.
- n. 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.
- o. **Canvassing in any form and/ or bringing any influence political or otherwise will be treated as a disqualification for the post.**
- p. **NO INTERIM ENQUIRY OR CORRESPONDANCE WILL BE ENTERTAINED.**

3. Relaxations:

- a. The upper age limit is relaxable upto 05 years for SC/ST and 03 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 physically handicapped 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 50 years of age.

4. How to apply:

- a. Eligible candidates are required to apply **ONLINE/ OFFLINE through our website http://www.iitk.ac.in/new/RnD_Recruitment**
- b. If the candidate does not have a valid email id, he/ she should create a new valid email id before applying online/ offline.
- c. **Online Application** will be available on our website from **14.10.2016 to 07.11.2016 upto 5:00 PM** and **Offline application** will be available on our website from **14.10.2016 to 15.11.2016 upto 5:00 PM**
- d. Candidates are required to arrange for a crossed **Demand Draft for Rs. 500/ drawn on any nationalized bank and valid for at least 3 months in favor of The Registrar, IIT Kanpur payable at Kanpur**. The **last date for submitting online application** and making of Demand Draft is upto **07.11.2016** and for **offline application** and making of Demand Draft it is upto **15.11.2016**. These dates will be same for candidates belonging to far-flung areas. The following details must be filled up on back side of the Demand Draft **(i) Advertisement No. (ii) Candidate's Name, (iii) Candidate's Category, (iv) Post Code Applied For (v) Serial Number**. The candidates belonging to SC/ST/PWD/Women/Institute Employees/Abroad Candidates category are exempted from submission of application fee.
- e. In case of universities/institute awarding CGPA/SGPA/OGPA grades candidates are requested to convert the same into percentage based on the formula as per their university/institute.
- f. Successful online application is indicated by the page displayed after clicking Submit Button indicating the generated "APPLICATION NUMBER". Please note down the same carefully and preserve it. If you do not preserve it, you will not be able to Re-print the Application.
- g. In case candidate wants to modify/withdraw the application there is a 'CANCEL' option to cancel the online application. Please note that application once cancelled will not be retrieved at any stage. If you have cancelled the application, please reapply before the closure of Application Date as per advertisement. Please remember to take fresh print out after modifying any details.
- h. This computer generated application (Print-out)/ or offline application duly accompanied by attested copies of the certificates, mark sheets, testimonials in support of age, education qualifications, experience, re-prints of publications and caste certificate, if applicable along with one recent passport size self-signed photograph affixed together with Demand Draft (if applicable) should be sent in an envelope superscribed "APPLICATION FOR THE POST OF _____ with **Serial Number.....** and **Advertisement No.....** (Post Code _____)" by registered/ speed post to the address: - **Sr. Deputy Registrar, The Office of Research and Development, Indian Institute of Technology Kanpur, U.P. - 208016**. The **last date for receipt of hard copy online/offline application is 15.11.2016 upto 5:00 PM**. Candidates applying for more than one post must submit separate application form for each post indicating the Name of post, Post Code, Serial Number and Advertisement No. The hard copy(s) of each application must be accompanied by separate Demand Draft(s).
- i. 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.
- j. 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.
- k. Candidates should specifically note that the applications received after the closing date for any reason whatsoever (such as envelopes wrongly addressed, delivered elsewhere, postal delay) will not be entertained by the Institute.

- I. Incomplete applications (i.e. without photograph, application fee, applicable testimonials and unsigned) will not be entertained and will be summarily rejected.

AND the following documents must be attached along with application form, sent by post:

- a. Demand Draft of Rs.500/- as application fee, where applicable.
- b. Colored photograph pasted on the form and signed across in full.
- c. Self attested photocopy of Date of Birth Certificate.
- d. Self attested photocopies of educational certificates.
- e. Self attested photocopy of caste certificate, if applicable.
- f. Self attested photocopies of experience certificates, if any.

Important Note:

1. Any Amendment/Corrigendum/Submission date extension in respect of above advertisement shall be issued on our website: http://www.iitk.ac.in/new/RnD_Recruitment only and no separate notification shall be issued in the news paper/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.

Advt. No.: REO/R&D/2016/01

Dated: 14.10.2016

Copy forwarded to:

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

(i) Director's Office
(iii) SC/ST Cell

(ii) Deputy Director's Office
(iv) Notice Boards

Sd/-
Sr. Deputy Registrar,
The Office of Research and Development,
Indian Institute of Technology Kanpur
Uttar Pradesh – 208016