



**सूक्ष्म कणिका एवं संचार अभियंत्रण विभाग**  
**Department Of Electronics & Communication Engineering**  
**मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद**  
**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**प्रयागराज- २११००४**  
Prayagraj-211004

Advertisement No- .../2024/Project Staff

Dated: 10.01.2024

**Advertisement for the Post of Senior Research Fellow (On Contract)**

Applications are invited from Indian nationals for the post of Senior Research Fellow [SRF] (on contract) in research project entitled “**Prototype development of a photovoltaic solar cell with a high conversion efficiency: An application of two-dimensional materials**” sanction letter no. 22/0882/23/EMR-II dated 13.07.2023 sponsored by Council of Scientific and Industrial Research [CSIR], New Delhi.

The duly completed application on prescribed format along with copies of supporting documents must reach to: Research & Consultancy Cell, Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004 on or before 31/01/2024. The envelope should be superscripted as “Application for the post of Senior Research Fellow [SRF] (on contract) in the Research Project “Prototype development of a photovoltaic solar cell with a high conversion efficiency: An application of two-dimensional materials,”

Also, the duly completed application (soft copy) on prescribed format along with scanned copies of supporting documents must reach to email id: yogendrapra@mnit.ac.in (email-id of Prof. Yogendra Kumar Prajapati, Department of Electronics and Communication Engineering) with the subject of the email as “Application for SRF (on contract) in CSIR Project” on or before 31/01/2024, 5.00 PM (IST). The position is purely temporary and will be governed by the funding agency rules & service conditions of Office of the Dean (Research & Consultancy), MNNIT Allahabad.

<b>Number of Vacancy:</b>	1 (One)
<b>Project Title</b>	Prototype development of a photovoltaic solar cell with a high conversion efficiency: An application of two-dimensional materials
<b>Department</b>	Electronics and Communication Engineering
<b>Project Tenure</b>	Two Years
<b>Job Description</b>	The project envisages design, simulation fabrication & characterization and analyzing the mechanisms of photovoltaic solar cell.
<b>Essential Qualifications:</b>	MTech/ME or equivalent degree in engineering/technology with at least 60% marks; OR BE/BTech or equivalent degree with at least 60% marks and two years research experience as on the last date of application  <b>Desirable:</b> 1. It is highly desirable that the candidates have basic knowledge of photovoltaic solar cell and thin film, etc. and research experience in modelling and simulation of solar cell.
<b>Age Limit:</b>	32 years
<b>Age Relaxation</b>	The upper age limit is relax-able up to 5 years in case of candidates belonging to scheduled castes/tribes/OBC, women and physically handicapped candidates
<b>Fellowship:</b>	Rs. 35,000.00 per month + HRA (18%)
<b>Other Benefits:</b>	Accommodation may be available as per the availability and the Institute norms. Candidate selected for the SRF may register for Ph.D. if eligibility conditions as set by Institute is met by him/her. Facility of yearly leave., carryover leave, medical benefits etc. may be available as per applicable rules of the project staff
<b>Tenure of Appointment:</b>	Appointment will be made for a temporary period purely on contract basis for a period of one year initially, which may be extended depending on the performance evaluation on yearly basis till the end of project.



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**Note:**

1. The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
2. The Institute reserves the right to accept application at any time, and consider candidates of exceptional credentials without applications.
3. Qualification and experience may be relaxed by the Institute at any point of time for otherwise exceptional candidates. Mere, possessing the prescribed qualification does not ensure that the candidate would be called for Interview. The Candidates will be shortlisted on the basis of merit and need of the project.
4. Shortlisted candidates will be informed by e-mail about the interview date. So, the candidate must provide valid E-mail IDs in their applications.
5. Shortlisted candidates have to present themselves for the interview on the interview date with updated CV, publications if any original and attested photocopies of mark sheets/ certificates in support of their academic qualifications. **The mode of interview will be informed to the shortlisted candidates via the email id provided in the application form.**
6. Applicants in employment (private, government or any other organization) are required to submit a “**No Objection Certificate**” from the employer at the time of interview.
7. No TA/DA will be paid for appearing in the interview.

Name of Principal Investigator: Prof. Yogendra Kumar Prajapati  
Designation : Professor  
Department : Electronics and Communication Engineering



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APPLICATION FORM

Advt.No.....

Dated.....

<b>Research Projects Entitled</b>	Prototype development of a photovoltaic solar cell with a high conversion efficiency: An application of two-dimensional materials	<b>Self-Attested recent passport size Photograph</b>
<b>Funding Agency</b>	Council of Scientific and Industrial Research [CSIR], New Delhi	
<b>Name of P.I.</b>	Prof. Yogendra Kumar Prajapati	
<b>Name of Position</b>	Senior Research Fellow [SRF]	
<b>Department/Section</b>	Electronics and Communication Engineering	

1.	Name of the Candidate (In Capital letter)					
2.	Sex (Male/Female)					
3.	Marital Status (Married/Unmarried)					
4.	Date of Birth					
5.	Age as on last date of application	.....Years.....Months.....Days				
6.	Father's/Husband's Name					
7.	Present/Contact Address					
8.	Permanent Address					
9.	Mobile No.					
10.	E-mail					
11.	Nationality/State					
12.	Category	Gen/SC/ST/OBC/PH.....(enclosed attested copy of certificate) and women				
13.	NET/GATE	A. NET: Yes/No; Roll.No.:....., Year:..... Score/Rank..... ..... B. GATE: Yes/No; Roll.No.:....., Year:..... Score/Rank.....				
14.	Educational Qualification					
	<b>Qualification</b>	<b>Subject/Discipline</b>	<b>Board/Institute/Univ.</b>	<b>Year</b>	<b>% of Marks</b>	<b>Division</b>
	10 <sup>th</sup> or equivalent					
	12 <sup>th</sup> or equivalent					
	Diploma, if any					
	B.E./B.Tech./B.S./B.Pharm					
	M.E./M.Tech*					
	Any other degree (if any)					

\*Title of B.Tech./M.Tech.

Thesis.....



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15.	Details of Experience in chronological order. Enclose a separate sheet duly authenticated under your signature if necessary					
Organisation	Position	Salary/Emoluments	Nature of Duties	Nature of appointment	Period of Experience Year Month Days	
16.	Research Publications (Attach list): -					
	SCI Journals:					
	Non-SCI Journals:					
	International Conference/Seminar/Symposium Proceeding:					
	National Conference/Seminar/Symposium Proceeding:					
17.	Any other information					
18.	Indicated whether you propose to register for higher degree* at MNNIT Allahabad. Yes/No (Name of higher degree is Ph.D.)					

**Note:** "Those candidates who wish to be admitted as student for higher degree must fulfill at least the minimum eligibility for the respective admission as available on the institute website.

**DECLARATION**

I hereby declare that all the statements made in this application are true and complete and nothing has been concealed/ distorted. I am aware that, if at any time I am found to have concealed/distorted any material information, my engagement is liable to be summarily terminated without notice.

Place:

Date

(Signature of the Applicant)

Enclosure- Self attested copy of documents

1. Proof of Date of Birth
2. Mark sheets & certificates of all the examination passed
3. Category Certificate, if applicable
4. NET/GATE score card, if passed
5. Experience certificate, if any