



# भारतीय प्रौद्योगिकी संस्थान भिलाई

जी. ई. सी. कैम्पस, सेजबहार, रायपुर - ४९२०१५  
छत्तीसगढ़, भारत

## Indian Institute of Technology Bhilai

GEC Campus, Sejbahar, Raipur - 492015  
Chhattisgarh, India  
Phone # 0771-2973600/602

### **Advertisement for the post of 'Senior Research Fellow' in a DST Funded Research Project**

Applications are invited from Indian nationals for the position of 'Senior Research Fellow (JRF)' in a DST funded research project (joint project with IIT Delhi under DST Solar Challenge Award scheme) with the following details:

**Title of the project:** Development of large area 152.4 mm x 152.4 mm ~23% efficient silicon heterojunction solar cells, and ~25% efficient tandem cells of 50 mm x 50 mm area

**Principal Investigator:** Dr. Nikhil Chander, Assistant Professor, Room 106, Department of Electrical Engineering, IIT Bhilai, GEC Campus, Sejbahar, Raipur, Chhattisgarh- 492015

Email: [nikhil@iitbhilai.ac.in](mailto:nikhil@iitbhilai.ac.in); web: <https://www.iitbhilai.ac.in/index.php?pid=nikhil>

**Name of the position:** Senior Research Fellow

**Number of Positions:** 01

**Essential qualifications:** MTech (Electrical/Electronics/Applied Physics/Material Science/Nanotechnology)

OR

MSc (Physics/Materials Science/Nanoscience/Electronics) with two years of experience

The above-mentioned degrees or equivalent degrees should be from a recognized institute/university or statutory body with a minimum of 60% aggregate score (6.5 grade points on a scale of 10); For SC/ST category, the candidate must have secured a minimum of 55% aggregate score (6.0 grade points on a scale of 10).

Candidates should have qualified **GATE** or **CSIR-UGC NET**.

**Desirable:** Preference will be given to candidates having working experience relevant to the project.

Candidates with expertise in the following areas are strongly encouraged to apply:

- 1) Expertise in handling Thermal evaporator, Spin-Coater, and perovskite/organic solar cell fabrication and characterization.
- 2) Expertise in SEM, UV-Visible based characterization techniques and analysis

**Age limit:** 32 years (The upper age limit is relaxable up to 5 years in case of candidates belonging to Scheduled Castes/Scheduled Tribes/physically handicapped and female applicants, and 3 years in case of OBC - Non-Creamy Layer candidates).

**Salary:** Rs. 35,000/- per month + 16% HRA

**Duration:** The initial appointment will be given for 1 year and is extendable, based on performance review, up to 3 years or till the project completion (Total project duration is 3 years).



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**How to apply:** Interested candidates must apply on the '**application form**' attached with this advertisement. Duly completed '**application form**' along with candidate's detailed CV must be mailed or emailed to the PI, Dr. Nikhil Chander at [nikhil@iitbhilai.ac.in](mailto:nikhil@iitbhilai.ac.in) so as to reach him by **29<sup>th</sup> May 2023**. Applications without the '**application form**' shall not be considered. Only shortlisted candidates will be called for an **offline** interview. The position is available immediately.

**Due date:** The application must reach the PI, Dr. Nikhil Chander, by **Monday, 29<sup>th</sup> May 2023 (on or before 5.00 pm)**.

### Conditions:

- i) The decision of the selection committee will be final.
- ii) If the number of shortlisted candidates called for the interview is large, the selection committee may decide to restrict the number of candidates for the interview to a reasonable limit after considering qualifications and experience over and above the minimum prescribed in the advertisement.
- iii) The appointment of the candidate will be governed by the terms and conditions of the Institute/funding agency particularly applicable to the said project as and when required.
- iv) The selected candidate will have to join duty immediately on receipt of the offer.
- v) The fellowship may be terminated with a 30-day notice before completion of the tenure, if performance till date is not deemed satisfactory.
- vi) No TA/DA shall be paid if a candidate is called for 'offline' interview. Candidates shall be responsible for arrangement of their stay at Raipur during the interview.