



## Advertisement of a JRF position

**Indian Institute of Technology, Ropar (IIT Ropar)**

**Department of Chemical Engineering, Nangal Road, Transit campus 1, Rupnagar, Punjab 140001**

Applications are invited for a junior research fellow (JRF) position in the Department of Chemical Engineering, IIT Ropar under the SERB sponsored project titled “**Study and design of a cost-effective prosthetic mechanical heart valve**”. The fellow will aim to design a cost-effective, biocompatible, superhydrophobic and blood repelling polymeric composite material which will be utilized for making an artificial mechanical heart valve.

**Essential qualifications:** M.Tech / M.E in Chemical / Mechanical / Material / Biomedical / Polymer Engineering with a valid GATE or CSIR UGC NET qualified score.

**Desired qualifications:** Work experience in the area of polymer processing, polymer rheology and its characterization, handling of 3D printer, etc. will get an advantage.

**Duration:** It will be given initially for 6 months which can be extended in future based on the evaluation of the performance and the availability of the fund.

**Salary:** A consolidated salary of **Rs. 31000 / month** will be provided as per the DST norms.

The applicant must send the following documents in a single PDF file to [csasmal@iitrpr.ac.in](mailto:csasmal@iitrpr.ac.in) (**Dr. Chandi Sasmal**) on/before 20<sup>th</sup> August, 2021.

1. A one-page cover letter describing the background and how it will help to pursue this project.
2. Resume with complete qualification and experience details.
3. Soft copy of all degree certificates.
4. Proof of GATE/NET qualification.

**The selected candidates will be called for an online interview at the end of August, 2021.**

For any further information, please contact to the principal investigator:

Dr. Chandi Sasmal  
Department of Chemical Engineering, IIT Ropar  
Room no. 228, Transit Campus 1, Nangal Road, Rupnagar, Punjab 140001  
Email: [csasmal@iitrpr.ac.in](mailto:csasmal@iitrpr.ac.in)