



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA – 769 008(ODISHA)
SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING
EDUCATION**

NITR/SR/2022/Advt-21BM084/L/001, dt.05.04.2022

Applications are invited on prescribed format for the following assignment in a purely time bound research project to carry out research work, experiments and analysis in the Department of Biotechnology and Medical Engineering.

1. Name of the Temporary Post : **Junior Research Fellow (JRF) -01
(Project Code: SR/21/BM/084)**
2. Name of the Research Project : **Innovating paper microfluidic device to achieve rapid and uniform spreading of whole blood and demonstrate its applicability as a point-of-care diagnostic device**
3. Name of the Sponsoring Agency : Science and Engineering Research Board, Dept. of Science and Technology (DST), Govt. of India
4. Tenure of the Project : 02 Years
5. Tenure of the Assignment : Initial for a period of one year (Extendable to two years upon satisfactory performance)
6. Job Description : Research and Development work (design, fabrication, modeling, simulation and data analysis in the field of microfluidic devices used in biomedical engineering)

Scope to enroll as a Ph. D. Scholar in the Department of Biotechnology and Medical Engineering (must satisfy Institute/Department Eligibility Criteria)
7. Consolidated monthly compensation / Fellowship : Rs. 31,000/- P.M.
8. Essential Qualifications and experience : B.E/B.Tech (Mechanical/ Chemical/ Biomedical/ Materials/ Biotechnology) with minimum 60% marks or equivalent with a valid GATE score.
(or)
M.Sc. in (Applied Physics/ /Material Science/ Chemistry Biotechnology) with minimum 60 % marks with NET/GATE/DBT score.
9. Desirable Qualifications/ Experiences : M.E/M.Tech/MPharm with minimum 60% marks or equivalent
Previous research experience is design and manufacturing, FEM Modeling and simulation (computational Fluid/solid mechanics), additive manufacturing is desirable .
10. Accommodation : Bachelor accommodation in the Institute may be provided subject to availability.

11. For technical information on the project, the candidate may contact the Principal Investigator at the following address:

Name : Dr. Prasoon Kumar
Address : Department of Biotechnology and Medical Engineering
N.I.T., Rourkela-769 008
Telephone No : 0661 -2462292; Mobile No: 8105648520
E-mail : kumarprasoon@nitrkl.ac.in

Date and Time for **On-line / Walk-in** Interview: **26.04.2022 at 11.00AM**

Place of Interview: **Department of Biotechnology and Medical Engineering, NIT Rourkela**

Eligible candidates may apply within 21.04.2022, 23:59 HRS. The candidates are required to send the complete filled up application form (Soft copy) to kumarprasoon@nitrkl.ac.in . The application form is available in the following link: [http://nitrkl.ac.in/oldwebsite/Jobs_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64\(2\).pdf](http://nitrkl.ac.in/oldwebsite/Jobs_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64(2).pdf) which must be filled by candidates and also required to attach photocopies of all supporting documents, research papers (if any) etc.

Candidates will build a Single PDF file; it is to be sent to Principal Investigator (kumarprasoon@nitrkl.ac.in) **on or before 21.04.2022, 23:59 HRS**. The candidates are also required to produce relevant documents mentioned in the application form [such as original of all mark sheets and certificates, research papers (if any), experience certificate (if any) etc.] at the time of interview / joining. Selection / Joining will be canceled in case of any suppression of information / document provided earlier.

Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be short listed based on merit and need of the project.

Sd/-
Asst. Registrar (SRICCE)

- Copy to :
- 1) All Heads of the Departments, NIT, Rourkela for wide circulation on their departmental Notice Boards.
 - 2) Dr. Prasoon Kumar, PI, BM Dept
 - 3) Head of the Department, BM
 - 4) Project file.