



**NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA**  
**SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING EDUCATION**

**NITR/SR/2022/Advt-21ID035/L/083 dt-14.03.2023**

Applications are invited on prescribed format (On-line) for the temporary post of "Junior Research Fellow (JRF)" for the Project entitled "Development of customized Sit-to-Stand ( $S^2$ ) trajectory-based mobility assistive device." Selected candidate may enroll in Ph.D. / M. Tech (R) Programme in the **Department of Industrial Design, National Institute of Technology Rourkela** based on Institute norms and regulations.

1.	Project Code	<b>SR/21/ID/035</b>
2.	Name of the Temporary Post	Junior Research Fellow - 01
3.	Name of the Research Project	"Development of customized Sit-to-Stand ( $S^2$ ) trajectory-based mobility assistive device"
4.	Name of the Sponsoring Agency	Science & Engineering Research Board (SERB), New Delhi
5.	Tenure of the Project	02 years or completion of the project whichever is earlier
6.	Tenure of the Assignment	Initial for a period of 6 months (Extendable to 1 year upon satisfactory performance and availability of fund)
7.	Job Description	<p>To carry out the analytical and CAD modeling, development of the customized Sit-to-Stand (<math>S^2</math>) trajectory-based mobility assistive device, experimental evaluation, development of the working prototype, data collection &amp; statistical analysis, preparing write-up of patent and new research proposals, etc.</p> <p>Scope to enroll as a Ph. D. Scholar in Department of Industrial Design (has to satisfy Institute / Department Eligibility Criteria)</p>
8.	Consolidated monthly compensation / Fellowship	INR 31,000 per month
9.	Essential Qualifications and experience	ME/M.Tech in Mechanical/Design/Bio-Medical/Related specialization or BE/B.Tech in Mechanical/Design/Bio-Medical/ with valid GATE Score or BDes and MDes or MArch having above 65% marks or 7.0 CGPA, along with Institute norms.
10.	Desirable Qualifications / Exp.	Knowledge and experience in CAD Software (CATIA / Solid works), CAE (ANSYS), MATLAB, 3D motion capture system, EMG analysis, Statistical analysis, etc.
11.	Accommodation	Bachelor / Married accommodation in the Institute may be provided subject to availability.

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

Name : Prof. Mohammed Rajik Khan  
Address : Department of Industrial Design  
National Institute of Technology Rourkela, Odisha, 769 008.  
Tel. No. :  
Mobile : +91 8763655770  
E-mail : [khanmr@nitrkl.ac.in](mailto:khanmr@nitrkl.ac.in)

Date and Time for **On-line** Interview: **Will be on 07.04.2023.**

Place of Interview: **Department of Industrial Design, NIT Rourkela**

Eligible candidates may apply within **03.04.2023, 23:59 HRS**. The candidates are required to send the complete filled up application form (Soft copy) to [khanmr@nitrkl.ac.in](mailto:khanmr@nitrkl.ac.in). The application form is available in the following link: [https://nitrkl.ac.in/oldwebsite/Jobs\\_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64\(2\).pdf](https://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 ([khanmr@nitrkl.ac.in](mailto:khanmr@nitrkl.ac.in)) **on or before 03.04.2023, 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 (SR)**

Copy to:

- 1) All Heads of the Departments, NIT Rourkela for publication on departmental notice boards.
- 2) Prof. Mohammed Rajik Khan, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department, Industrial Design (ID).
- 4) Project file.