



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

NITR/SR/2023/Advt-23EC003/L/016(Extn.2), dt. 03.07.2023

[2nd Extension Notice against earlier notice vide no. NITR/SR/2023/Advt-23EC003/L/016(Extn.1), dt. 21.06.2023]

Applications are invited on prescribed format (On-line/off-line) for the temporary post of "Junior Research Fellow (JRF)" for the Project entitled "Development of Pressure Measurement Module for Chamber Pressure Measurement" Selected candidate may enroll in Ph.D. / M. Tech (R) Programme in the **Department of Electronics and Communication Engineering, National Institute of Technology Rourkela** based on Institute norms and regulations.

1.	Project Code	SR/23/EC/003
2.	Name of the Temporary Post	Junior Research Fellow (1 post)
3.	Name of the Research Project	Development of Pressure Measurement Module for Chamber Pressure Measurement
4.	Name of the Sponsoring Agency	ARMREB, DRDO, Govt. of India
5.	Tenure of the Project	04 years
6.	Tenure of the Assignment	Initial for a period of one year (Extendable to four years upon satisfactory performance)
7.	Job Description	To carry out research and development of micro-controller based pressure measurement module with piezo-based pressure sensor and associated analog interface circuit. Need to develop a complete ASIC in the 2 nd stage. They have to work on STM32 or similar microcontrollers. Scope to enroll as a Ph. D. Scholar in Department of Electronics and Communication Engineering (has to satisfy Institute / Department Eligibility Criteria)
8.	Consolidated monthly Fellowship i) 1 st Year and 2 nd Year ii) 3 rd Year and 4 th Year	Rs. 31,000.00 Rs. 35,000.00
9.	Essential Qualifications and experience	M.E./M. Tech. in Instrumentation/ Electronics /Electrical with specialization in Instrumentation/ VLSI/ Electronics or similar fields with above 65% of marks or 7.0 CGPA OR B.E./B. Tech. in Instrumentation/ Electronics or similar fields with above 8.0 CGPA and valid GATE score.
10.	Desirable Qualifications/ Experiences	Experience on STM32 or similar microcontrollers and their programming, python and similar programming languages, analog circuit design, IC design tool like Cadence are desirable. GATE score will be preferred.
11.	Age	As per Institute Norms.
12.	Accommodation	Bachelor accommodation in the Institute may be provided subject to availability

13.	For technical information on the project, the candidate may contact the Principal Investigator at the following address: Name : Dr. Sougata Kar Address : Department of Electronics & Communication Engineering (EC), N.I.T., Rourkela-769 008 Telephone No : 0661-2462473(O), 9692951945(M) E-mail : kars@nitrkl.ac.in , sougatakar@gmail.com
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Date and Time for Interview (on-line): 18th July, 2023, 10:00 am. (Tentative)

Place of Interview: **Department of Electronics & Communication Engg., NIT Rourkela**

Eligible candidates may apply within 10.07.2023, 23:59 HRS. The candidates are required to send the complete filled up application form (Soft copy) to sougatakar@gmail.com. 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 (sougatakar@gmail.com) on or before 10.07.2023, 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 (SRICCE)**

Copy to:

- 1) All Heads of the Departments, NIT, Rourkela for publication on Departmental Notice Boards.
- 2) **Prof. Sougata Kar**, Principal Investigator with a request to give wide publicity to the advertisement.
- 3) Head of the Department, EC.
- 4) Institute Website.
- 5) Project File.