



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

NITR/SR/2020/Advt-19EC073/L/009 dt. 18.08.2020

[1st Extension Notice against earlier Notice vide no. NITR/SR/
EC-073/2020/L/003 dt. 17.07.2020]

Online Interview will be conducted for following assignment on a time bound research project **(SR/19/EC/073)** undertaken in the **Department of Electronics and Communication Engineering (EC)** of the Institute on **21st August 2020, 10:00 AM.**

1.	Name of the Temporary Post	Junior Research Fellow (2 posts)
2.	Name of the Research Project	Development of a Closed-loop Integrated MEMS Capacitive Accelerometer for Inertial and Navigation Systems
3.	Name of the Sponsoring Agency	SERB, Govt. of India
4.	Tenure of the Project	03 years
5.	Tenure of the Assignment	03 years
6.	Job Description	The project students (likely to be converted as PhD students) will be involved in design of MEMS accelerometer and its interfacing circuits. They have to work on COMSOL / IntelliSuite / Coventor Ware for MEMS design and simulation, and Cadence for circuit simulation to work on analog integrated circuit and implementation of SC based circuits, amplifier, filter, sigma-delta ADC etc. to form a complete interfacing ASIC. MEMS and ASIC to be fabricated and the project student will also be responsible for integration and testing.
7.	Consolidated monthly Fellowship i) 1 st Year ii) 2 nd Year iii) 3 rd Year	Rs. 31,000.00 Rs. 31,000.00 Rs. 35,000.00
8.	Essential Qualifications and experience	M.E./M. Tech degree in Instrumentation/ Electronics /Electrical with specialization in VLSI/ Instrumentation/ Electronics or similar fields with above 65% (7 CGPA) of marks OR B.E./B.Tech. degree in Instrumentation/ Electronics or similar fields with above 9.0 CGPA and valid GATE score. Candidate with delayed final result have to submit qualifying degree result within 30 th September.
9.	Desirable Qualifications/ Experiences	Experience on analog circuit design, MEMS design and familiarization with any MEMS and IC design tool is desirable. GATE score will be preferred.
10.	Accommodation	Bachelor 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. Sougata Kar
Address : Department of Electronics & Communication Engineering,
NIT Rourkela, Odisha 769 008.
Telephone No : 0661-246 2473(O), 94332 80223(M)
E-mail : kars@nitrkl.ac.in, sougatakar@gmail.com

Date and Time for Online Interview: 21st August, 10:00 am.

Place of Interview: **Online Mode (Microsoft Team / Skype / Google Meet)**

Department of Electronics & Communication Engg., NIT Rourkela

Mere possession of essential/desirable qualifications and experience does not guarantee selection for the post. Candidates will be selected 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, PI with a request to give wide publicity to the advertisement.
3. Head of the Department, EC.
4. Institute Website.
5. Project File.