

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

Advt No: NITR/SR/BM-EC-017/319

Dated: 09.08.2018

WALK-IN INTERVIEW

Applications are invited for the **Walk-in Interview** on prescribed format for the following assignment in a purely time bound research project undertaken in the Department of Biotechnology and Medical Engineering (BM) and Electronics Communication Engineering (EC) of the Institute. The Walk-in Interview will be conducted on **30th August, 2018**, at **11:00** am. in the **Department of Biotechnology & Medical Engineering (BM)**.

1.	Name of the Temporary Post	Junior Research Fellow (1 post)
2.	Name of the Research Project	Development of pH based portable arsenic bio-sensor
		by exploiting arsenite oxidizing bacteria
3.	Name of the Sponsoring Agency	DST, Govt. of India
4.	Tenure of the Project	02 years
5.	Tenure of the Assignment	02 years
6.	Job Description	The project student (likely to be converted as a PhD student) will be involved in detail characterization of arsenite oxidizing bacteria, study of arsenic transformation in bacterial system, Engineered strain construction, process optimization, design of pH measurement system based on analog integrated circuit and implementation of different circuit blocks like differential amplifier, instrumentation amplifier, filter, ADC etc. to form a complete ASIC.
7.	Consolidated monthly Fellowship i) 1 st Year ii) 2 nd Year	Rs. 25,000.00 Rs. 28,000.00 Along with 20% HRA (if staying outside) Based on the performance of the research work the fellowship will be converted in to Institute fellowship as per Institute rule.
8.	Essential Qualifications and experience	B. Tech with GATE/M. E./M. Tech degree in Biotech with specialization in Biotechnology,/ Environmental Engineering/ Environmental Biotechnology, Electronics/ Electrical/ Instrumentation/ with specialization in VLSI/ Instrumentation or similar fields with above 65% (7 CGPA) of marks.
9.	Desirable Qualifications/ Experiences	Experience on Molecular Biology, Environmental Biotechnology and Microbiology is desirable for Biotech background students. Experience on analog circuit design and Cadence

			Virtuoso Analog Design Environment is desirable for
			electronics background students. GATE score will be
			preferred.
10.	Accommodatior	ו	Bachelor accommodation in the Institute may be
			provided subject to availability
11.	For technical	information on th	the project, the candidate may contact the Principal
	Investigators at the following address:		
	Name : Prof. Angana Sarkar/Prof. Sougata Kar		
	Address	: Departme	nent of BM/ECE
	N.I.T., Rourkela-769 008		
	E-mail : sarkara@nitrkl.ac.in, sarkar.angana@gmail.com,		
	kars@nitrkl.ac.in, sougatakar@gmail.com		
12	Date of Walk-in Interview: 30 th August, 2018, Time: 11:00 am.		
13	Venue: Depart	ment of Biotechn	nology & Medical Engineering, NIT Rourkela, Odisha

Eligible persons should bring all the original certificates and mark sheets, filled application form in the prescribed format (available in the Institute Website) affixed with colored photographs to be submitted in duplicate along with photo copies of relevant certificates, grade/ mark sheets, publications etc., at the time of interview. Eligible candidates may send their resume via email, mentioned above in advance.

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. Angana Sarkar, Principal Investigator with a request to give wide publicity to advertisement.
- 3. Prof. Sougata Kar, Principal Investigator with a request to give wide publicity to advertisement.
- 4. Head of the Department, BM
- 5. Head of the Department, EC