INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR

Sponsored Research and Industrial Consultancy (SRIC)

Administrative Building, IIT Bhubaneswar
Argul- 752050, Khordha, Odisha
Tel: +91-0674-713-4832, E-mail: office.sric@iitbbs.ac.in

Advt. No. : IITBBS/SRIC/RP369/Rect/22/2024-25 Date: 24.05.2024

इस संस्थान के विधुत विज्ञान विद्यापीठ में किए गए विशुद्ध रूप से समयबद्ध शोध परियोजना में निम्नलिखित कार्यभार के लिए निर्धारित प्रारूप पर आवेदन आमंत्रित किए जाते हैं/ Applications are invited on prescribed format for the following assignment on purely temporary contract basis in time bound research project undertaken in the School of Electrical Sciences of this Institute.

1.	अस्थायी पद का नाम/ Name of the Temporary Assignment	:	**Junior Research Fellow (JRF) – 1 Post**
2.	अस्थायी अनुसंधान परियोजना का नाम/ Name of the temporary research Project	:	"Design and Performance Investigation of Low Power III-V Negative Capacitance FET for Sensing Applications"
3.	फंडिंग एजेंसी का नाम/ Name of the Funding Agency	:	CSIR
4.	पारिश्रमिक/ Emolument	:	**₹ 37,000/- per month.**
5.	योग्यता और अनुभव/ Qualification & Experiences	:	BS 4 years program, Interated BS-MS/M.Sc/B.E/B.Tech or equivalent degree with 55% marks with NET-LS/GATE qualified.
6.	नौकरी का विवरण/Job Description	:	The scope of the project is to explore the Negative Capacitance (NC) transistor for sensing applications. The device simulator (TCAD) will be used to explore the underlying physics of the ferroelectric-based NCFET for III-V semiconductors. The device will be applied to realize the FET-based sensors using TCAD. • Strong background in semiconductor devices, MOSFETs and knowledge of EDA tools are desirable. • Good critical reasoning and communication skills. • Comprehensive thinking and understanding of technical research paper.
7.	आयु सीमा/Age Limit	:	The age of the applicant should be less than 28 years as on last date of submission of application, which is relaxed up to 5 years in the case of candidates belonging to Schedule Castes/Schedule Tribes/Divyangjan (PWD) and female applicants whereas 3 years in the case of OBCs (Non-creamy layer candidates).
8.	परियोजना की अवधि/ Duration of the project	:	3 years (22.12.2023 to 09.08.2026)
9.	नियुक्ति की अवधि/ Duration Appointment	:	Initially for one year which may be extended based on satisfactory performance and continued fund availability.
10.	चयन प्रक्रिया/ Selection Process	:	The selection process will be based on interview.

Interested eligible persons may apply through online application system on or before **9ᵗʰ June 2024.**

To complete the registration process, please visit the Institute's website: **www.iitbbs.ac.in/jobs-iitbbs.php** After entering to the website, select the option **'Recruitment for Research Project Work**' and fill up the online application form after completion of registration process.

Selection to the post will be done through interaction only from among the shortlisted candidates. There is no need to send hard copy of the application. The shortlisted candidates will be intimated through email only for interview.

Sd/-
उप कुलसचिव (श्रीक)
Dy. Registrar (SRIC)