

### Contractual recruitment

Applications are invited for **Contractual recruitment** for the following post(s) in the project entitled, "**SWASTHA - Smart Wearable Advanced nanoSensing Technologies in Healthcare ASICs** at **Centre for Nanotechnology, IIT Guwahati**.

Date of Interview: 11/10/2022

Time: 10:30AM onwards

| Sl No. | Project Staff Designation | Number of Vacancies | Pay Recommended | HRA Required       | Medical Required | Total Amount | Duration of Appointment in months | Qualifications   |
|--------|---------------------------|---------------------|-----------------|--------------------|------------------|--------------|-----------------------------------|--|
| 1      | SRF (DIRECT)              | 10                  | Rs.35,000.00    | Yes<br>Rs.5,600.00 | Rs.1250.00       | Rs.41,850.00 | 03                                | <p>Post Graduate in basic Science or Graduate/ Post Graduate in Professional Course selected through a process described through any one of the following:</p> <ol style="list-style-type: none"><li>1. Scholars selected through National Eligibility Test-CSIRUGC NET including Lectureship (Assistant Professorship) and GATE.</li><li>2. The selection process through National Level examinations conducted by Central Government Departments and their Agencies and institutions such as DST, DBT, DAE, DOs, DRDO, MHRD, ICAR, ICMR, IISc, IISCR etc.+2 yrs of research Exp.</li></ol> <p>Desirable experience:</p> <ul style="list-style-type: none"><li>• Expertise in NanoScience, Nanotechnology, Nanobiology, Nanoelectronics and hands-on experience in Nano-fabrication and characterization (such as AFM, SEM, TEM, XRD, Electro-Spinning Device, Materials Printing System, Laser Micro-machining, Wire Bonding, Double Sided Mask Aligner,</li></ul> |

|   |                  |    |           |                     |             |              |    |  |
|---|------------------|----|-----------|---------------------|-------------|--------------|----|--|
|   |                  |    |           |                     |             |              |    | <p>Thermal/E-Beam Evaporation, RF Magnetron Sputtering Unit, Oxidation/ Diffusion Furnaces Reactive Ion Etching, FESEM-EBL, Mask Writer, Raman, IR, Cryogenic DC Probe Station and Pulse parametric Analyzer)</p> <ul style="list-style-type: none"> <li>• General implementation of the project along with report writing, operation and maintenance of High end micro/nano fabrication &amp; Characterization facilities, Health-Care, Energy and POCT devices</li> </ul>  |
| 2 | Project Engineer | 01 | 47,000.00 | Yes<br>Rs. 7,520.00 | Rs. 1250.00 | Rs.55,770.00 | 06 | <p>PhD degree Or Master`s degree in Engineering +3 yrs exp. Or Bachelor`s degree in Engineering +6 yrs exp.</p> <p>Desirable experience:</p> <ul style="list-style-type: none"> <li>• Expertise in NanoScience, Nanotechnology, Nanobiology, Nanoelectronics and hands-on experience in Nano-fabrication and characterization (such as AFM, SEM, TEM, XRD, Electro-Spinning Device, Materials Printing System, Laser Micro-machining, Wire Bonding, Double Sided Mask Aligner, Thermal/E-Beam Evaporation, RF Magnetron Sputtering Unit, Oxidation/ Diffusion Furnaces Reactive Ion Etching, FESEM-EBL, Mask Writer, Raman, IR, Cryogenic DC Probe Station and Pulse parametric Analyzer)</li> <li>• Administration and general implementation of the project along with report writing, operation and maintenance of High end micro/nano fabrication &amp; Characterization facilities, Health-Care, Energy and POCT devices</li> </ul> |

|   |                             |    |           |                     |             |               |    |  |
|---|-----------------------------|----|-----------|---------------------|-------------|---------------|----|--|
| 3 | Associate Project Engineer  | 02 | 35,000.00 | Yes<br>Rs. 5,600.00 | Rs. 1250.00 | Rs. 41,850.00 | 06 | <p>Master`s degree Engineering or Bachelor`s degree in Engineering +3 yrs exp.</p> <p>Desirable experience:</p> <ul style="list-style-type: none"> <li>• Expertise in NanoScience, Nanotechnology, Nanobiology, Nanoelectronics and hands-on experience in Nano-fabrication and characterization (such as AFM, SEM, TEM, XRD, Electro-Spinning Device, Materials Printing System, Laser Micro-machining, Wire Bonding, Double Sided Mask Aligner, Thermal/E-Beam Evaporation, RF Magnetron Sputtering Unit, Oxidation/ Diffusion Furnaces Reactive Ion Etching, FESEM-EBL, Mask Writer, Raman, IR, Cryogenic DC Probe Station and Pulse parametric Analyzer)</li> <li>• General implementation of the project along with report writing, operation and maintenance of High end micro/nano fabrication &amp; Characterization facilities, Health-Care, Energy and POCT devices</li> </ul> |
| 4 | Associate Project Scientist | 01 | 35,000.00 | Yes<br>Rs. 5600.00  | Rs. 1250.00 | Rs. 41850.00  | 06 | <p>Master`s degree in Science Or Bachelor`s degree in Science + 4 yrs exp.</p> <p>Desirable experience:</p> <ul style="list-style-type: none"> <li>• Expertise in NanoScience, Nanotechnology, Nanobiology, Nanoelectronics and hands-on experience in Nano-fabrication and characterization (such as AFM, SEM, TEM, XRD, Electro-Spinning Device, Materials Printing System, Laser Micro-machining, Wire Bonding, Double Sided Mask Aligner, Thermal/E-Beam Evaporation, RF Magnetron Sputtering Unit, Oxidation/ Diffusion Furnaces</li> </ul>   |

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|  |  |  |  |  |  |  |  | Reactive Ion Etching, FESEM-EBL, Mask Writer, Raman, IR, Cryogenic DC Probe Station and Pulse parametric Analyzer)<br>• General implementation of the project along with report writing, operation and maintenance of High end micro/nano fabrication & Characterization facilities, Health-Care, Energy and POCT devices |
|--|--|--|--|--|--|--|--|---|

How to apply and selection process:

Candidates have to apply with a CV giving details of all educational qualifications, experience, contact address, phone no., E-mail etc. along with scanned copies of relevant documents through the below mentioned e-mail address within 07/10/2022 before 5PM. Shortlisted candidate will be called for Online Interview on 11<sup>th</sup> October 2022 (Tuesday) from 10:30AM onwards. Selection will be based on the performance of the candidate in the interview. Candidates will not be sent any call letter separately.

For any clarification, contact: Nano Office, Centre for Nanotechnology, IIT Guwahati

Email: nano\_off@iitg.ernet.in

Phone: 03612583056/3054

No TA/DA will be paid to the candidates for appearing in the test and interview.

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**HOS (R&D)**