BITS Pilani
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Research & Innovation

Date: 13th September, 2023

Applications are invited for **ONE** position of PhD Scholar on the project, **"*Design and Development of Robust Hydrogen Sensor Based on Ultra-Wide Bandgap Porous-Ga$_2$O$_3$ Semiconductor Nanostructures*"** under the supervision of Prof. Satyendra Kumar Mourya, Prof. Sarbani Ghosh, and Prof. Mohit Garg**.**

Deserving candidates check the eligibility criteria and qualification process of the Ph.D. program of BITS Pilani (http://www.bitsadmission.com/phmain.aspx).

Scope of work	Essential Qualification	Desirable Qualification
DFT and MD simulations of Ga$_2$O$_3$, Growth of the porous substrate, Fabrication of Ga$_2$O$_3$ nanostructures and Sensing electrode, Basic material characterization, Gas sensing measurements.	B.Tech Electronics Engg or MSc. Physics/Electronics/Chemistry or M.Tech Electronics/Chemical/Material Science/Nanotechnology. **The candidate is expected to have a strong interest in interdisciplinary research.**	Hands-on experience in DFT simulation and nanofabrication.

Fellowship: ₹37,000 - ₹42,000 per month (based on the year of Ph.D. and performance)

Duration: As per BITS Pilani norms (http://www.bitsadmission.com/phmain.aspx)

Place of work: BITS Pilani, Pilani Campus, Rajasthan.

Application process: Please apply with **CV and Cover letter** (showing alignment and justification with the roles/responsibilities/requirements) using this form

- Click here to apply
- Deadline: 3rd October 2023

Preliminary shortlisting will be based on resume and telephonic/audio-visual interview within a week of the last date of application. For the final interview, the candidate will be informed through e-mail for interview. No TA/DA will be provided in case of a personal interview. For more details, please contact:

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