



BITS Pilani

Pilani | Dubai | Goa | Hyderabad | Mumbai
Research & Innovation

Research Fellow (to join as PhD Scholar)

Development of SPR assisted optical fiber-based multichannel sensing device

Pilani Campus | Deadline: 25th Dec 2023 | Joining: At the earliest

Date: 14th Dec, 2023

Applications are invited for **ONE** position of **Research Fellow*** on project, “*Development of surface plasmon resonance assisted optical fiber-based multichannel sensing device*” under the supervision of Prof. Raj Kumar Gupta, Prof. Anupam Bhattacharya and Prof. Subhradeep Pal.

* The selected candidate is encouraged to join PhD Program of BITS Pilani. Interested candidates check the eligibility criteria and qualification process of the PhD program of BITS Pilani (<http://www.bitsadmission.com/phmain.aspx>).

Scope of work	Essential Qualification	Desirable Qualification
The candidate will develop optical fiber based multichannel sensors and use it to demonstrate the sensing of analytes. This is an interdisciplinary work wherein the candidate can explore the development of sensing technology based on some important scientific phenomena.	MSc in Physics/MTech with specialization in optical fibers/ optoelectronics/ laser/electromagnetics/ nanoscience/nanotechnology (with first division as defined by the awarding Institute/ university) from recognized Universities/Institutes.	NET/GATE qualified. Good knowledge in optical physics, electronics, experimental skills, basic knowledge in computer programming and hardware interfacing.

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

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

Place of work: BITS Pilani, Pilani Campus, Rajasthan 333031

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

- Google form link: <https://t.ly/VfFWR>
- Deadline: **25th December 2023**

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

Dr. Raj Kumar Gupta
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Website: <https://web.bits-pilani.ac.in/~raj>