



Immediate Opening for TWO Research Fellows

“Development of indigenous medical radiation dosimeter based on organic field-effect transistors (DosFET)”



Hyderabad | Deadline: 22 March 2025 | Joining: at the earliest

Immediate Opening for **TWO** positions of Research Fellow (RF) in a Ministry of Electronics and Information Technology (MeitY), Govt. of India, sponsored project, “*Development of indigenous medical radiation dosimeter based on organic field-effect transistors (DosFET)*” sponsored under the supervision of Prof. V. Ramgopal Rao (PI), Prof. Sanket Goel (co-PI) and Prof. Arindam Kushagra (co-PI).

Deserving candidates may be considered for PhD program at BITS-Pilani if he/she meets the requirements of PhD qualification process as per the institute norms (<http://www.bitsadmission.com/phmain.aspx>). Also, Institute Fellowship will be considered after completion of the project fellowship.

Scope of work	Essential Qualification	Desirable Qualification
<ul style="list-style-type: none">Develop a flexible organic field effect transistor (OFET) for ionizing radiation dosimetryCalibration of OFET against commercially available dosimeters, onsite & offsite	<u>RF</u> : M.E./M.Tech. in Electrical/ Electronics/ Instrumentation/ Mechanical / Chemical Engineering / Materials Science or equivalent	<ul style="list-style-type: none">Working / Hands-on knowledge in cleanroom practices, semiconductor fabrication techniques.Knowledge of semiconductor device physics & ionizing radiation physics (with related equipment handling) would be a plus.

Emoluments (as per DST norms): ₹37,000 per month (+27% HRA, if applicable)

Duration: 36 months (will be considered for financial support during the remaining PhD duration as per the policy, if selected for the BITS-Pilani PhD programme)

Place of work: BITS Pilani, Hyderabad Campus, Hyderabad

Application process: Please apply with **CV and Cover letter** (showing alignment and justification with the roles/responsibilities/requirements) using this form <https://forms.gle/dXyBRK8bvjwZ1eZw6> (Deadline: 22 March 2025)

Preliminary shortlisting / Selection will be based on resume and telephonic/audio-visual interview within a week of last date of application.

Dr. Sanket Goel
sgoel@hyderabad.bits-pilani.ac.in

Dr. Arindam Kushagra
arindam.kushagra@hyderabad.bits-pilani.ac.in

MEMS, Microfluidics and Nanoelectronics (MMNE) Lab: <https://mmne.bits-hyderabad.ac.in/>