



BITS Pilani

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

ONE JRF Position

Project Title: “AI-driven design and synthesis of bioactive molecules and functional materials for targeted applications,”

Funder: DBT-BUILDER

/ Deadline: 22-10-2025 | Joining: At the earliest

Date: 8th October, 2025

Applications are invited for **ONE** position of Junior Research Fellow (JRF) in the Department of Chemistry at BITS Pilani, KK Birla Goa Campus, Goa for a DBT sponsored research project DBT- BUILDER (BT/INF/22/SP42543/2021).

Project Title: “AI-driven design and synthesis of bioactive molecules and functional materials for targeted applications” [**Duration:** 3 years]

Principal Investigator: Prof. Mainak Banerjee (Dept of Chemistry)

Co-Principal Investigators: Prof. Narendra Nath Ghosh (Dept of Chemistry),
Prof Snehanshu Saha (Dept of CSIS)

Broad area of Research: Chemical Synthesis

Scope of work	Essential Qualification	Desirable Qualification
Primary role: Synthesis of small-molecules, functional materials. Other roles: AI-based design of functional molecules and materials	M. Sc. (or equivalent or higher degree) with 60% aggregate (equivalent CGPA) in Chemistry/ medicinal chemistry/materials Science/	NET/GATE/GPAT (hands-on experience in chemical synthesis)

Note: The JRF will be encouraged to apply for BITS Pilani PhD program through a separate application process.

Fellowship: ₹37,000 for JRF (with NET/GATE/equivalent qualification)

or ₹30,000 for Project Associate-1 (w/o NET/GATE)

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

- **Google form link:** <https://forms.gle/yf5nAaFGXjyZTxY89>
- **Deadline:** 22nd October 2025

Applicants may also send an email application to the following email address.

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 email for the interview. No TA/DA will be provided in case of a personal interview. For more details, please contact:

Mainak Banerjee (PI)

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Website: <https://universe.bits-pilani.ac.in/goa/mainak/Profile>