Birla Institute of Technology & Science, Pilani
Hyderabad Campus

BITS Pilani- IISc Banglore Collaborative Ph.D. Position

Date: 08/07/2026

Applications are invited from interested and motivated candidates for a fully funded PhD position under the BITS Pilani-IISc Banglore collaborative Ph.D. program to work in the following project entitled "**Formally Verified Safe Navigation for Autonomous Underwater Vehicles in Uncertain Ocean Environments**" under the supervision of **Prof. P M Singru (Supervisor, BITS Pilani)** [https://www.bits-pilani.ac.in/goa/pravin-madanrao-singru/] , Prof. Prasad Patil **(co-Supervisor, BITS Pilani)** [https://www.bits-pilani.ac.in/goa/prasad-vinayak-patil/] and **Prof. Pushpak Jagtap (Co-supervisor, IISc Banglore)** [https://aero.iisc.ac.in/people/pushpak-jagtap/]
The project will involve both computational and experimental work encompassing robotics, control theory, formal verification and ocean engineering.

Number of Vacancy	01
Essential Qualification	M.Tech. / M.E. / MS/ B.E. / B.Tech. in Mechanical Engineering | Mechatronics | Electronics | Electrical Engineering | Computer Science | Ocean Engineering | Naval Architecture | Machine Learning and Artificial Intelligence from a recognized university, with minimum 60% aggregate marks or equivalent CGPA.
Desired Skills	Candidates should be interested in Python, C/C++, MATLAB, ROS2, Gazebo, etc. Candidate should also be willing to learn experimental techniques.
Fellowship	₹ 37,000 + 30% HRA = ₹ 48100 per month Annual Contingency: ₹ 20,000/-
Age Limit	28 Yrs.

How to apply: Candidates meeting above-mentioned qualification should send their CV to **Prof. Prasad Patil** [Email: **prasadp@goa.bits-pilani.ac.in**] **by 5 Dec, 2026.** Please note that only shortlisted candidates will be called for online interviews. The interview schedule will be sent to candidates via email. Selected candidates will be registered for the Ph.D. program subject to the fulfilment of the requirements of the Ph.D. qualification process as per academic guidelines of BITS Pilani.

Notes:

1. The student will be registered at BITS Pilani and, upon successful completion of all programme requirements, the PhD degree will be awarded by BITS Pilani.
2. The duration of the Ph.D. student's stay at **IISc Banglore** will be mutually decided by the supervisor and Co-Supervisor based on the requirements of the research work. However, student is expected to spend 3-24 months at **IISc Banglore** during the course of the PhD program.
3. For any queries regarding the position, please feel free to email the co-supervisor (**prasadp@goa.bits-pilani.ac.in**).
4. No TA/DA will be paid for attending the interview.

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