



Birla Institute of Technology & Science, Pilani
K K Birla Goa Campus

Research Fellow Position under BITS Pilani - IIT Roorkee Joint PhD Programme

Applications are invited for the position of **Research Fellow** in the **Department of Electrical and Electronics Engineering** at **BITS Pilani, K. K. Birla Goa Campus, Goa** under the **BITS Pilani - IIT Roorkee Joint PhD Programme**.

This position is applicable only to **Ph D aspirants**. Candidates should check the eligibility criteria and qualification process of the Ph D program of BITS Pilani(<http://www.bitsadmission.com/phmain.aspx>).

Supervisor (s):

BITS Pilani Goa Campus: Dr. Tarakanath Kobaku & Dr. Saurabh Tiwari

IIT Roorkee: Dr. Abhisek Kumar Behera

Broad Area of Research: Power Electronics, Fuel cell and Sliding Mode Control

Scope of Work: The research fellow will work on the modelling, control, and experimental validation of Fuel cell driven power converter systems. The project focuses on developing sliding mode control algorithms to address voltage regulation, instability, sensor noise, and converter uncertainties. The student will gain experience in advanced power electronics, real-time control implementation, and hardware validation using Fuel cell emulators, power electronic converters.

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

Essential Qualification: Post Graduate or Graduate degree in **EEE/ Power Electronics/Control Systems** or equivalent discipline from a recognized University.

Desirable Qualification: Strong background in **Power Electronics, Control Systems design**. Knowledge of **Matlab/Simulink, programming TMS320FXXXX (Micro-controller), and PCB design**.

Accommodation: Hostel accommodation will be provided subject to availability and will be governed by the rules and regulations of the Institute prevailing at the time of joining of the candidate.

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

How to Apply: Please submit your **CV and Cover letter** (showing alignment and justification with the roles/responsibilities/requirements) to tarakanathk@goa.bits-pilani.ac.in

Last Date: 13th July 2026

