



# National Institute of Technology Silchar

## Silchar-788010, Assam, India

Date: 20-01-2017

### Advertisement for JRF Position (DST project)

Applications are invited from motivated and eligible candidates for the position of Junior Research Fellow (JRF) in a DST funded Research Project titled "Development of Battery Supercapacitor Hybrid Energy Storage System for Stand-alone Solar Photovoltaic Power System".

#### Objectives of the Project

1. To develop an experimental setup for hybrid energy system consists of solar photovoltaic source, storage elements and load.
2. Modelling and characterization, experimentally, of storage elements.
2. To control the power flow in the hybrid system.

#### Eligibility

**Essential Qualification:** B.E/B.Tech. degree with GATE score or, M.E/M.Tech./M.S degree; in Electrical Engineering, or Electronics Engineering, or Instrumentation Engineering, or in equivalent streams related to the field of the project. The applicants should have knowledge in control and power electronics.

**Desirable:** Candidates having experience in hardware implementation and GATE score will be preferred. Having experience in working with DC DC converter will be an added advantage.

#### Stipend

The amount of JRF fellowship will be as per DST norms and it is Rs. 25,000 + 20% HRA (if hostel accommodation is not provided)

#### Duration

Initial appointment will be for one year, which is extendable up to 3 years solely based on the performance.

#### How to Apply

Interested candidates are requested to submit a **detailed CV and one brief write up stating how does the candidate fit with the requirement of this project** to Dr. Munmun Khanra (PI), Dept. of Electronics & Instrumentation Engineering, National Institute of Technology Silchar, via e-mail: munmunkhanra@gmail.com, munmun@ei.nits.ac.in **on or before 10-02-2017**. Incomplete applications will be rejected.

*Only shortlisted candidates will be called for interview. Selected candidates will be intimated by email. No TA/DA will be paid for appearing in the interview.*

**The selected JRF, if interested, may enrol for Ph.D. by fulfilling all the norms of the NIT Silchar.**

**Munmun Khanra**

**Assistant Professor, EIE, NIT Silchar**