

JOB DESCRIPTION

Applications are invited for **Research Associate/Senior Research Fellow (SRF)** position from highly motivated and eligible candidates for DST sponsored research cum demonstration project entitled “**Design and Demonstration of Biomass – Solar Electricity and Cooling Solutions**” under Mission Innovation scheme: Duration of the project: **2 Years (2018-2020)**.

- Eligibility Criterion: Essential Qualification: (i) M. Tech. or M.E. degree in Electrical Engineering / Electrical and Electronics Engineering with specialization in Power Electronics or and Drives with first division. (ii) B. Tech. or B.E. degree in Electrical Engineering / Electrical and Electronics Engineering with first division. Desirable Qualification & Experience for Research Associate: PhD in Electrical Engineering or having 3 years of research experience with at least one research paper in Science Citation Indexed (SCI) Journal.
Qualification and Experience for SRF: 2 years of research experience.
- It is highly desirable that the candidates have research experience in: modeling, design and control of power electronics converters (mainly dc-dc and dc-ac converters), integration of renewable energy sources with grid etc, and hands on experience in developing and working on hardware / laboratory prototype of the converters. Knowledge of simulation softwares like MATLAB (programming/Simulink), PSPICE and/or PSIM, PCB design software like Altium/Eagle. Knowledge of microcontroller/DSP programming is desirable.
- Job Profile: The candidates will have to develop and work on hardware/laboratory prototype of the converters.

Applicants can submit their CV's along with their skype id at **dtu.simlab@gmail.com** last by **22nd September 2018**.

No. of Vacancies - 1