



Indian Institute of Technology Ropar भारतीय प्रौद्योगिकी संस्थान रोपर

Advt. No. MEITY/PDF/RPM-1

Dated: 26st April, 2022

ADVERTISEMENT FOR RESEARCH ASSOCIATE POSITION

The Renewable Power Modulation (RPM) lab of Electrical Department at the Indian Institute of Technology Ropar invites applications from outstanding and enthusiastic researchers for a postdoctoral position under the mentorship of **Dr. K. Ramachandra Sekhar** focused on Project titled: “**The AI Enabled Solar based Multi-port High Gain Electric Vehicle AC Charging Station for Domestic and Commercial usages**”.

The prospective candidate is expected to have a strong background in the area of power electronics and control systems with experimental skills. The candidate should be passionate about working on cutting-edge research leading to development of Prototype part of Meity Project for Development of Electric Vehicles (EVs) Sub-Systems- Part-I. Apart from research activities under the above project, the candidate will be entrusted with other projects and academic responsibilities as deemed fit by the PI.

Last date for the submission of the application by email is 20th May 2022

Essential qualifications: Ph.D. in Power Electronics or Equivalent from any of the premier or government institutes of the country.

Desirable qualifications:

- At least two research papers published as the first author in IEEE Transactions/IET Journals based on the Ph.D. research work
- Should have hands-on experience in building power electronic converters for renewable integration with the grid, preparing the printed circuit board (PCB) design and programming of digital controllers (DSP/FPGA).

Candidates must mention their Ph.D. thesis title clearly in their application and cover letter.

** Candidates who have recently submitted their thesis are also eligible to apply subject to the condition that they should furnish the thesis submission certificate at the time of joining at IIT Ropar if selected.*

Duration and Fellowship amount:

The duration of the fellowship will be **2 years**. The Fellowship may be terminated by either side by giving one-month notice. A consolidated fellowship of **Rs. 54,000.00** per month for the 2 years.

How to Apply:

Candidates should clearly mention Advt. No. and date with the title of the position applying for with a covering letter, curriculum vitae, list of publications, a research statement describing past research experience and future research plans in a single PDF file named “**Candidate Name Institute of Ph.D. Degree Year of Ph.D.**” by e-mail, to:

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