



Ref.No. – 2021/TIH-IITR/ 258  
Project Code -TIH/RP/03

Date: 27/09/2021.

## ADVERTISEMENT TO FILL UP PROJECT POSITION

Applications are invited from Indian Nationals only for the project position as per the details given below for the Technology Development Project by the Principal Investigator **Prof. Bhavesh Kumar Bhalja and Prof. Jeevanand S**, under **Divyasampark iHUB Roorkee for Devices Materials and Technology Foundation** (A Section 8 - Not for profit Company) at Indian Institute of Technology Roorkee.

1. **Title of Project:** Energy optimization for EV Charging Station through Machine Learning and Artificial Intelligence
2. **Sponsoring Agency:** Divyasampark iHUB Roorkee for Devices Materials and Technology Foundation.
3. **Project positions:** Chanakya Fellow (Junior Research Fellow)
4. **No. of Vacancy:** 02
5. **Location:** IIT Roorkee, Roorkee, Uttarakhand, India
6. **Qualifications:**
  - a) M. E./ M. Tech. in Artificial Intelligence/ Machine learning/ Embedded systems/Data Analytics/Signal Processing/Control System/Power Electronics/Power System with good coding skills.
  - b) Candidate must be GATE qualified.
7. **Relevant Experience:** Working experience in related areas would be an added advantage.
8. **Job Description (In Brief):**
  - a) Need highly motivated candidate to work with academia and industry in the project for optimizing the energy flow in EV charging station, by analyzing (not limited to) the vehicular traffic, weather data, source efficiencies, battery health level etc. to optimize exchange of power between source and loads.
  - b) Should be conversant with coding in Matlab, Python, C++, and related machine learning softwares.
  - c) Need to write reports and help generate publications/ patents.
  - d) Ready to help in developing Proof of Concept for further development of product.
  - e) Need to achieve the milestones in time and be a quick learner.
9. **Duration of the project:** Three and half years.

***\*\*The subject of the e-mail should be "Application for the position of "Chanakya Fellow (JRF)".***





## iHUB DivyaSampark

Divyasampark iHUB Roorkee for Devices Materials and Technology Foundation  
A section-8 Company established by Government of India (DST) and IIT Roorkee  
under National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS).  
CIN No.-U73200UR2020NPL011644

- Salary as per non-government organization market norms.  
**\*\*An opportunity will be available for Ph. D. registration.**
- Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
- Candidate should apply by submitting their resume along with self-attested copies of degrees, experience certificates on [hr.tih@iitr.ac.in](mailto:hr.tih@iitr.ac.in)
- Last Date to apply: **15<sup>th</sup> October, 2021**  
**\*\*Please Mention your last CTC in the application (if applicable).**  
**\*\*Please note that application received after the last date will not be considered.**
- After shortlisting, candidates will be called for the **Interview**.
- Candidates, appearing for **Interview**, should bring the following documents:
  - Cover letter with detailed CV including chronological discipline of degrees/certificates obtained.
  - Experience including research, industrial field and others.
  - Please note that no **TA/DA is not admissible** for attending the interview.

The date and time of interview will be shared with the shortlisted candidates only.

Prof. Bhaveshkumar Bhalja

Prof. Jeevanand S.

Manish Anand  
Chief Executive Officer  
iHUB-DivyaSampark

