इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी दिल्ली

हौज खास, नई दिल्ली -110016

(औद्योगिक अनुसंधान एवं विकास इकाई)

INDIAN INSTITUTE OF TECHNOLOGY DELHI
Hauz Khas, New Delhi-110016

(Industrial Research & Development Unit)

No. IITD/IRD/RP04383N/ 118643   **Dated: 30/01/2023**

Advertisement No.: IITD/IRD/022/2023

Applications from Indian nationals are invited for Project Appointment under the following project. Appointment shall be on contractual basis with consolidated pay subject to periodic performance review, and renewable yearly or upto the duration of the project, whichever is earlier. निम्नलिखित परियोजना के तहत भारतीय नागरिकों से आवेदन आमंत्रित किए जाते हैं। अपॉइंटमेंट, अनुबंधित आधार पर समेकित वेतन, नवीकरणीय वार्षिक या परियोजना की अवधि तक, जो भी पहले हो, के साथ होगा।

Objective of the project: To develop an intelligent energy prediction, management, and recommendation system to facilitate the seamless integration of electric vehicles (E.V.) and associated infrastructure in power distribution systems. Type of work to be performed as a project staff: (i) Algorithm development for load forecasting. (ii) Development of an Energy Management system interconnected with E.V. infrastructure, (iii) Data analysis at the distribution level of the power grid, (iv) Preparation of project-related documents and other related works as instructed by PI.

Additional quality required: (i) Coding Platform: Python (preferred)/MATLAB, (ii) Interest/Knowledge in Experimental Prototype/Product level development of Power Systems Engineering. Accommodation: No hostel accommodation will be provided. The selected candidate should arrange his/her accommodation outside the I.I.T. Delhi campus. NO WORK FROM HOME until and unless the PI instructs it. Once selected, the candidate should move to Delhi and start coming to the lab as early as possible. What I am looking for in a candidate: Highly motivated and dedicated to work. The candidate should have a strong desire to pursue a career in research. The candidate should have a good understanding of the subjects which are mentioned below and should have done significant work in their MTech/BTech project work. If the candidate has developed any algorithm for the time series load prediction using machine learning and has a good understanding of the power system, it will provide an additional advantage. Subjects to study for this selection procedure: (i) Basic Electrical Engineering, (ii) Power System Engineering, (iii) Machine Learning (Data Analytics). **Closing date of the application: 15th February 2023. Mode of examination: Online interview through M.S. Team/Google Meet. Interview date: Any date between 20 th -28th February 2023.**

Title of the Project	Development of Machine Learning based algorithms for EV load forecasting and charging infrastructure requirement (RP04383N)
Funding Agency	Tata Power Company Limited
Name of the Project Investigator	Prof. Ashu Verma [email of PI:averma@dese.iitd.ac.in]
Deptt/.Centre	Department of Energy Science & Engineering
Duration of the Project	Upto:31/10/2024

Post (s)	Consolidated fellowship / Pay-slab	Qualifications
Project Scientist (2)	Rs.35,400-37,900-40,400-43,600-46,800-50,000/- p.m. plus HRA @ 24%	B. Tech (with GATE* qualification) OR 1st class or equivalent in M.Tech/ME/MS(R) in Electrical Engineering with a Specialization in Power Systems/Computer Science/Machine Learning (A.I.) + 1st class in B.Tech in Electrical Engineering + post-graduation done through valid GATE score in Electrical Engineering. Additional quality required: (i) Coding Platform: Python (preferred)/MATLAB,(ii) Interest/Knowledge in Experimental Prototype/Product level development of Power Systems Engineering. *The requirement of qualifying GATE qualification may be relaxed by the Committee in case of highly meritorious candidates

The candidates who are interested to apply for the above post should download **Form No. IRD/REC-4** from the IRD Website **(http://ird.iitd.ac.in/rec)** of IIT Delhi and submit the duly filled form with complete information regarding educational qualifications indicating percentage of marks/division, details of work experience etc. **by e-mail with advertisement No. on the subject line to Prof. Ashu Verma at email id:averma@dese.iitd.ac.in**

IIT Delhi reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post and their name will be displayed on web link **(http://ird.iitd.ac.in/shortlisted)** alongwith **the online interview details. Only short-listed candidates will be informed for online interview**. In case any clarification is required on eligibility regarding the above post, the candidate may contact **Prof. Ashu Verma at email id: averma@dese.iitd.ac.in**

5% relaxation of marks may be granted to the SC/ST Candidates. In case of selection of a retired/superannuated government employee, his/her salary will be fixed as per prevailing IRD norms. अनुसूचित जाति / अनुसूचित जनजाति के उम्मीदवारों को अंकों की 5% छूट दी जा सकती है. एक सेवानिवृत सरकारी कर्मचारी के चयन के मामले में उसका वेतन वर्तमान आईआरडी मानदंडों के अनुसार तय किया जाएगा। **The last date for submitting the completed applications by e-mail is 15/02/2023 by 5.00 p.m.** ***Your candidature will be rejected if you furnish any false information during the recruitment process.**

सहायक कुलसचिव, आईआरडी

वितरण

- Head of the Deptt./Centres/Units :

- Webmaster, IRD :
- Notice Boards
- Advertisement file
- Prof. Ashu Verma, PI, Department of Energy Science and Engineering
- Copy to Chairperson, DRC/CRC

It is requested that the contents of the Above Advt. be brought to the notice of the staff working in your Deptt./Centre/Unit

To put advertisement at IITD website.