Dhirubhai Ambani
Institute of Information and Communication Technology

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Research Fellow: Machine Learning/ Deep Learning/ NLP

Smart Energy Learning Centre

(A New Research Centre at DA-IICT funded by BSES Delhi, India)

Ref. No. SELC/25/A4-02

Applications are invited from highly motivated candidates with good academic records for a full-time, fixed-term Research Fellow position with the Smart Energy Learning Centre (SELC) at the Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), India. The project details, requisite qualifications, and experience are as follows.

Project Title: Building Renewable Energy Data Ecosystem for Informed Decision-Making

Position and Fellowship	**Research Fellow – 1 post** **INR 45,000 per month (all inclusive)**
Eligibility Requirements	
Essential Qualifications	• M.E./M.Tech. in Computer Science & Engineering, ICT, Data Science, AI, ML, or equivalent, with at least 60% marks. Preference may be given to GATE-qualified candidates or those with research/industry experience. • OR, B.E./B.Tech. in Computer Science & Engineering, ICT, Data Science, AI, ML, or equivalent, with at least 60% marks. Preference may be given to GATE-qualified candidates or those with research/industry experience. • OR, M.Sc. in Data Science, AI, or ML, with at least 60% marks. Preference may be given to candidates qualified through CSIR-UGC NET or IIT JAM, as well as those with industrial/ research experience. • Deep understanding of AI/ML models for question-answering tasks. • Good Python programming skills: Scikit-learn, NumPy, Pandas, and at least one of the deep learning libraries: PyTorch, Keras, or TensorFlow • Strong command of oral and written English.
Desirable Qualifications	• Strong mathematical and statistical background. • Prior experience in developing document-AI pipeline. • Prior exposure to knowledge graphs and LLM-based question-answering systems.

Period of Appointment	This position is temporary, with an initial appointment for one year, and it is extendable for up to two more years based on satisfactory performance. This does not confer any right for the candidate to claim an extension or absorption at DA-IICT. However, according to the available guidelines, the selected candidate will be encouraged to apply for the Ph.D. program at DA-IICT.
Job Description	Project Focus: ● Conduct policy and research analysis using the state-of-the-art document AI techniques. ● Develop advanced analytical tools using machine learning and deep learning for developing question-answering system. ● Personalized response from the policy documents for effective decision making. Role and Responsibilities: ● Develop end-to-end machine learning solution for effective decision making, deployable on the wind site on the microcontroller. ● Produce high-quality journal and conference publications. ● Perform other duties related to the project as assigned. Location: ● Based at "The Pattern Minery", Smart Energy Learning Centre, DA-IICT, Gandhinagar, India. Professional Development: ● Supported in professional development with access to career-focused training opportunities.

How to Apply: Interested candidates must submit their details and send their detailed **Curriculum Vitae by March 31, 2025,** through a Google form.

Only shortlisted candidates will be called for an interview, which they will attend at their own expense; no TA/DA will be provided. During the interview, candidates' knowledge will be assessed in the areas of Computer Science, Machine Learning, Deep Learning, Natural Language Processing, and Python programming.

Tentative date of Interview: Week starting from April 7, 2025 (Hybrid/ Online)
Expected start date: April 15, 2025 or after

For informal queries, please contact **Dr. Arpit Rana** at arpit_rana@daiict.ac.in and cc **Dr. Sreeja Rajendran** at sreeja_rajendran@daiict.ac.in.