

Research Staff

Manipal Academy of Higher Education (MAHE), Manipal, *an Institution of eminence deemed to be University*, invites applications for the post of **Junior Research Associate (Technical)** funded by Ministry of Electronics and Information Technology (MeitY) in the Department of Computer Science and Engineering, Manipal Institute of Technology, Manipal.

COIL-D: Centre for Indian Language Data is a funded project by the Ministry of Electronics and Information Technology (MeitY), Govt. of India for 2 years. The project is to be executed in consortium mode led by IIT Patna. The other partnering institutions are IIT Delhi, IIIT Guwahati, IIIT Delhi, IGDTUW, Digital India Bhashini Division DIC and MIT Manipal. The project aims to create language resources for Human Language Technology (HLT) and develop applications, standards, and guidelines for their usage in building MT systems, benchmarking MT systems, and other NLP tools. MIT is responsible for developing parallel corpora for Dravidian Languages Kannada, Tamil, Malayalam, and Telugu.

Project title: "COIL-D: Centre for Indian Language Data"

Duration of engagement: 2 years

Positions	Eligibility and Job Description	Remuneration
Junior Research Associate (Technical)	<p>Qualification: M.Tech/M.Sc/M.C.A /Ph.D. with mathematics background.</p> <p>Experience: Any prior Research experience/Industry experience/ Academic experience.</p> <p>Job Responsibilities: We are seeking Junior Research Associates to join our funded project, which focuses on cutting-edge research in natural language processing (NLP) and large language models. The selected candidates will have the opportunity to work on a diverse range of tasks that are essential to the project's success. Specifically, they will contribute to the development of a parallel corpus, which involves aligning text data in multiple languages to facilitate machine learning tasks such as machine translation and language modelling. In addition to corpus development, the successful candidates will assist in building tools and software applications that support various NLP tasks. This could include developing annotation platforms, automated alignment systems, or tools for processing and analyzing linguistic data. Furthermore, they will be involved in creating comprehensive documentation, which ensures that the developed resources and tools are accessible, well-maintained, and usable by other researchers and developers in the field. This role offers a dynamic environment where Junior Research Associates can apply their technical and linguistic skills while gaining valuable experience in the rapidly evolving field of natural language processing.</p> <p>Key Responsibilities:</p> <ul style="list-style-type: none"> Assisting in building tools and software applications for preprocessing text, validation, and analyzing linguistic data. Customizing annotation platforms, automated alignment systems, or tools for processing. Contribute to the development of a parallel corpus, which involves aligning text data in multiple languages to facilitate machine learning tasks such as machine translation and language modelling. <p>Technical Skills: MS Office, Python Programming, Deep Learning, LLMs, Web development tools.</p> <p>Communication: Strong verbal and written communication skills in English and any of the Dravidian languages (Kannada/Tamil/Telugu/ Malayalam). Multi-lingual skills are desirable.</p>	Rs. 50000/ per month (Consolidated)

Interested candidates possessing the requisite qualification should send the cover letter, detailed CV and documents in support of qualification and experience to jobs.research@manipal.edu with the subject line: "Application for [Job Title] - [Project Name]" by **October 26, 2024**. Shortlisted candidates will be informed by e-mail about the interview date and venue. **No TA/DA will be paid for attending the interview.**

Director – HR

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