



INDIAN INSTITUTE OF TECHNOLOGY PATNA
BIHTA PATNA-801106
RESEARCH & DEVELOPMENT UNIT

ADVERTISEMENT NO: R&D/1155/CIL/421

DATED: 21.10.2024

Project No. 1155

The Artificial Intelligence-Natural Language Processing-Machine Learning (AI-NLP-ML) Research Group at IIT Patna (<http://www.iitp.ac.in/~ai-nlp-ml/>) invites applications for multiple positions under a prestigious R&D Project titled "**COIL-D: Centre of Indian Language Data**" funded by the flagship mission, **Bhasini**, Meity, Govt. of India. This project aims to create the Language resources for Machine Translation (MT) between Indian languages, Benchmark corpora for PoS tagging, NER, ASR, TTS; Development of NMT models, Investigating the capability of LLM for MT; Creation of leader boards for various tasks including MT, NER, NLG, Sentiment, and TTS.

Applications are invited in the prescribed format only for the following assignment in a purely time bound research project undertaken in this institute.

S. No.	Name of the Position	Number of Post and Emolument	Qualification & Experience Details
1.	Program Manager	01 (One) Rs.1,50,000/month with 10% annual increment	Minimum Eligibility Criterion: a) First-class undergraduate degree preferably B.E./B. Tech in any Engineering discipline from an IIT, NIT or educational institution of similar repute; and b) Masters' degree in Business Administration (MBA) or M. Tech./M.E. with a good track record. c) Minimum 3-4 years of working experience in the relevant area <i>Or,</i> d) MBA/MTech from reputed institution e) Minimum 3-4 years of experience Desirable: <ul style="list-style-type: none">• Experience in the technology business sector. Roles and Responsibilities: <ul style="list-style-type: none">• Overall management of the project under the guidance of Chief Investigator (CI).• Co-ordinating with the other consortium institutions from time-to-time.• Facilitate meetings and keep CI updated.• Preparing project reports and keeping track of finance.• Coordinating with Meity officials.



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			<ul style="list-style-type: none"> Any other responsibility, assigned by the CI.
2.	Senior Research Associate (Technical)	02 (Two) Rs. 70,000/month with 10% annual increment	Minimum Eligibility Criterion: <ol style="list-style-type: none"> M. Tech/M.E./MS in Computer Science and Engineering/ AI/ DS/ ML/ AI and DS/ Information Technology with 1 year of experience in the relevant area. Desirable: <ul style="list-style-type: none"> Exposer in the field of NLP, Machine Translation, Large Language Models, etc. Roles and Responsibilities: <ul style="list-style-type: none"> Research and Development under the direction of CI. Mentoring of junior staffs and students as and when required. Any other task, assigned by the CI.
3.	Senior Research Associate (Language)	01 (One) Rs. 60,000/month with 10% annual increment	Minimum Eligibility Criterion: <ol style="list-style-type: none"> PhD in Computational Linguistics. At least 2-3 years of experience as lexicographer. Desirable: <ul style="list-style-type: none"> Exposer in the field of NLP, Parallel corpora creation, Corpus linguistics, Syntax, Semantics. Roles and Responsibilities: <ul style="list-style-type: none"> Research and Linguistic Analysis as per the direction of CI. Mentoring of junior staffs and students as and when required. Any other task, assigned by the CI.
4.	Junior Research Associate (Technical)	04 (Four) Rs. 50,000/month with 10% annual increment	Minimum Eligibility Criterion: <ol style="list-style-type: none"> B. Tech./BE in Computer Science and Engineering, Information Technology, AI and DS, Electronics/Electronics and Tele Communication/Electrical Engineering or MCA or MSC (Computer Science). Desirable: <ul style="list-style-type: none"> Experience of building systems in AI, ML and NLP.



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			<ul style="list-style-type: none"> Exposures of creating and maintaining GUI, Webpages; and having knowledge for data management. <p>Roles and Responsibilities:</p> <ul style="list-style-type: none"> Research and Development as per direction of CI. Implementation of algorithms, models etc. Any other task, assigned by the CI.
5.	Junior Research Associate (Language)	<p>10 (Ten)</p> <p>Rs. 45,000/month with 10% annual increment</p>	<p>Minimum Eligibility Criterion:</p> <ol style="list-style-type: none"> B.A. (Language or Linguistics) with 2 years of experience in the relevant area; or M.A. (Language or Linguistics) with exposure in the relevant area; or M.Phil./PhD in language or linguistics or in the related discipline BTech/BE with Computer Science, IT, AI, DS, Electronics and Telecommunication, and Electrical Engineering with experience in Language Technology related works Knowledge in English, Hindi and any of the languages, such as: Maithili, Odia, Bengali and Santali <p>Desirable:</p> <ul style="list-style-type: none"> Exposure for parallel corpus creation, data annotation etc. Experience of working in a language technology project. <p>Roles and Responsibilities:</p> <ul style="list-style-type: none"> Data validation Annotation Corpora creation Any other task, assigned by the CI.
6.	Liaison Officer	<p>01 (One)</p> <p>Rs. 50,000/month with 10% annual increment</p>	<p>Minimum Eligibility Criterion:</p> <ol style="list-style-type: none"> MSC (Computer Science or related area)/MCA/ MA (Mass Communication) with 1 year of experience; or M.E/MTech/MBA



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			<p>Desirable:</p> <ul style="list-style-type: none"> • Exposure in Language Technology related project • Experience of coordination in a project • Experience in public relationship <p>Roles and Responsibilities:</p> <ul style="list-style-type: none"> • Coordinating with freelancers and/or startups for data creation and validation • Coordination with different agencies (e.g. newspaper, Govt. agencies for obtaining copy-right free data) • Coordination with DIBD for hosting data and models in the framework • Preparation of documents for the project. • Any other tasks, assigned by CI
7.	Office Assistant	<p>01 (One)</p> <p>Rs. 30,000/month with 10% annual increment</p>	<p>Minimum Eligibility Criterion:</p> <p>a) B.Com./B.Sc./BCA/Diploma (with 1-year experience), or B.Tech./B.E.</p> <p>Desirable:</p> <ul style="list-style-type: none"> • Have proficiency in MS Word, Excel etc. • Knowledge in Webpage design • Accounting will be preferable <p>Roles and Responsibilities:</p> <ul style="list-style-type: none"> • Preparation of Note-sheets. • Maintaining accounting of the project, and keep CI updated. • Assisting in the day-to-day operations of the laboratory, project, and report to CI. • Any other tasks, assigned by CI.
<p>Note: All the above positions are temporary in nature. The CI may terminate the contract with 15-days' notice in case the performance is not found satisfactory.</p>			

1. Duration of the Post : Initially for 1 year, and may be extended until the closure of this project, depending upon the performance.

2. Name of the temporary project : **COIL-D**: Centre of Indian Language Data.

3. Name of the sponsoring Agency: : Bhasini, Meity, Government of India.

Interested and eligible persons may appear for the ONLINE INTERVIEW, showing the Educational qualification (% of Marks obtained from 10th onwards), Experience, Publications, Achievements, Names of two referees.



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Please send the resume (pdf and doc including certificates) and application mentioning the “post applied for” to the email id:coild.bhasini@gmail.com with copy to ainmgiitp@gmail.com and sarojnlp_19ps19@iitp.ac.in. Please use the file name as: post-applied_firstname_lastname.pdf. The shortlisted candidates would be notified with the date and time of the interview through email.

Last date of receiving applications: November 10th, 2024.

For any query please write to coild.bhasini@gmail.com with copy to ainmgiitp@gmail.com and bhu.saroj2012@gmail.com. For any query, contact: Dr. Saroj Kumar Jha (Lexicographer), Dept. of CSE, IIT Patna, Email: bhu.saroj2012@gmail.com (Mobile No.: 8840660844).

Deputy Registrar

Copy to:

1. Associate Dean, R&D, IIT Patna
2. Advertisement file
3. Project file



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FORMAT OF APPLICATION

Name & Address Including email id and Phone no. (for Correspondence)	Category (GEN/OBC/SC/S T/PD)	DOB DD/MM/YY	Professional Exam. (GATE/CSIR-NET, etc) & Validity
NAME IN CAPITAL Address: Phone: Email:			
Educational Qualification			
Institute/ Board	Exam Passed	Year of Passing	% of Marks/CPI
	10 th Class		
	12 th Class		
	Bachelors (B.Sc/B.Tech/B.A./B.Com.etc) or equivalent		
	ME/MTech/MSc/MA/MPhil etc) or equivalent		
	PhD		

Professional Experience			
Institute/ Organization	Position held	Duration	Roles and Responsibilities

Date:

Place:

Signature of applicant