**Advertisement for the Post of Junior Project Fellow
for a Sponsored Project, Govt. of India**

Dated: 15th January 2021

**Junior Project Fellow (Research and Software Development)
Natural Language Processing Research Lab, Dept of CSE, IIT (BHU)**

The Natural Language Processing Research Lab (NLPRL) at the Department of Computer Science and Engineering, IIT (BHU), Varanasi, invites applications for appointment as a Junior Project Fellow on a 1-year duration externally funded research project with the possibility of extension for another year. The project is in the area of Automatic Document Summarisation and Machine Translation focusing on the English Chinese language pair. The Junior Project Fellow will have to work on Machine Translation Quality Estimation (MTQE).

About the Role:
The Junior Project Fellow would be responsible for research, implementation and experimentation of the MTQE module in the system being built. This might include:

- Preparation of the dataset of MTQE for the project
- Validation of the dataset
- Literary survey of the research, particularly the state-of-the-art on the problem of MTQE and reporting this literary survey
- Designing a module for MTQE for the system being built under the project
- Implementation of this module, including baseline models, annotation tools, evaluation tools etc. as required
- Experimentation to properly evaluate the MTQE module in order to improve its performance through several iterations
- Collaborating with other researchers and language experts on the project and helping improve the Summarization and MT systems by providing detailed feedback on MTQE
- Maintaining the paperwork and electronic data for all of the above and assisting in the administrative side of this part of the project at IIT (BHU)

Duration: Appointment would be contractual for a period of 1 year, extendable by another year based on performance.

Salary: At par with JRF guidelines.

Basic Qualifications: This opportunity is ideal for a recent Ph.D. or Masters graduates in Computer Science or Computational Linguistics with demonstrable knowledge and experience of working in Natural Language Processing, preferably Machine Translation. The candidate should be proficient in using Statistical Machine Translation and deep neural network models, particularly Neural Machine Translation, and should have good writing skills as required for writing research papers and technical reports. In exceptional cases, recent B.Tech. graduates may be considered provided they have the experience and skills mentioned above. The age limit is 30.

How to Apply: Interested eligible persons may apply on plain paper or by email (with a scanned copy of the application), giving full bio-data (starting from secondary school examination) along with attested copies of testimonials to Dr. Anil Kumar Singh, Department of Computer Science and Engineering, IIT (BHU), Varanasi 221 005: Email: aksingh.cse@itbhu.ac.in **by February 15th, 2021**.

- Shortlisted candidates will be called for an interview in the last week of February. Depending on the number of candidates, there might be an online test before the interview.
- Post-interview, the selected candidate may be expected to join immediately or within a short period.