

Bangladesh University of Engineering & Technology
Department of Civil Engineering

Research Assistant (RA) Wanted
(Civil Engineering or Urban Planning Background)

A temporary Short-Term position for a Research Assistant is available in the Department of Civil Engineering for a research project that will be carried out in collaboration with University of Leeds, UK. The project will be identifying the effect of chauffeur dependency on congestion and other externalities in Dhaka city. Instead of being one of the least motorized cities of the world the vehicle owners of the city are highly dependent on the chauffeurs. Though, high chauffeur dependency creates empty trips (i.e., driver only trips) such trips get seldom reported in the traditional survey. Consequently, there is hardly any literature that systematically studied the impact of chauffeur dependency on the congestion and other externalities of any city. The project will administer surveys where the vehicles of chauffeur dependent and self-driven households will be tracked with GPS devices. The differences in the travel-pattern across these two types of households will then be evaluated using appropriate statistical analysis techniques. The department is asking for application from candidates meeting the following criteria.

Qualification:

1. B.Sc. in Civil Engineering or Urban Planning from Bangladesh University of Engineering and Technology (BUET).
2. Excellent communication skill both in Bengali and English (essential).
3. Proficiency in Written English (essential).
4. Experience with travel behavior related survey design and administration (desirable).
5. Experience in survey data handling and statistical model building (desirable).
6. Experience in working with transport/travel behavior related data (desirable).

Responsibilities:

- Conduct literature survey in the relevant field and prepare literature review.
- Help with the design and administration of surveys aimed to collect travel behavior of the chauffeur dependent and self-driving households.
- Gather, clean, and process data, and prepare database, where necessary.
- Apply statistical methods or machine learning techniques to analyze data.
- Assist with report preparation.

Duration of Appointment: 6 (six) months full time. We will consider a part time option (50% or more) over a longer period too. The candidate should be able to start the job on January 15, 2022.

Application Deadline: Sunday, 2nd January 2022.

Salary: Tk. 25,000/- to Tk. 30,000/- per month depending on experience.

Interested candidates are requested to send their application *via* email to either **Dr. Annesha Enam** (annesha@ce.buet.ac.bd) or **Dr. Sheikh Mokhlesur Rahman** (smrahman@ce.buet.ac.bd). The application material should include a **Cover Letter, CV, and a copy of B.Sc. Certificate/ Transcript/ Grade sheet of Level 4**. Please provide a brief description of how you meet the criteria in the Cover Letter. Please mention “RA Recruitment – Chauffeur Dependency Research” in the subject line. Should you have any queries, please feel free to contact us via email. Continuing full-time M.Sc. students of BUET are encouraged to apply.

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