

Druk Holding and Investments Ltd.
Terms of Reference

Analyst- DHI Research and Innovation Venture Excellence Center (DRIVE), InnoTech Dept.

Overall Job Description

The Analyst shall be primarily responsible to work closely with the DRIVE center to implement applied and fundamental research programs and lead the projects to achieve its goals. She/He shall be responsible for operating DRIVE research programs and associated Labs in wide range of topics including but not limited to digital technologies (viz. artificial intelligence, big data, blockchain etc.) smart mobility, smart cities, drones etc., from end to end. She/he shall work under the direct supervision of the Sr. Analyst of Innovation and Technology Dept.

Specific Responsibilities

The specific responsibilities are as given below:

- Implement the research projects in the DRIVE center and the Lab in meeting the design intent,
- Build prototypes and conduct iterations for the conceptual designs in areas of digital systems and software including using C, Matlab, Python, Raspberry Pi, Arduino and any other relevant platforms,
- Participate in DRIVE research programs by creating and updating project documentation, project scope and ensuring efficient and on-time delivery of project tasks and milestones,
- Study and build expertise in operating and maintaining the machines and the testbeds in the Lab and the DRIVE center,
- Study new technologies, software and hardware tools and support conceptualizing research and venture ideas to the department,
- Support in creating an innovation culture and expert teams in the thematic areas of research in the Lab and the DRIVE Center,
- Develop capacity development programs and events in the Lab and the DRIVE center,
- Develop innovation culture and expert teams in the thematic areas of research in the Lab and the DRIVE Center,
- Maintain a strong collaborative network across the DHI and Companies to support the implementation and monitoring of technical projects, and
- Any other responsibilities as directed by the Department

Education & Experience Criteria

He/she must have:

- Bachelor's degree in Engineering (Electrical/Electronics/Communication/Computer science), with a min. of 50% aggregate.
- Minimum 5 years of relevant work experience (excluding the study period). Min. of 3 years of work experience (excluding the study period) if the applicant has Maters degree.
- Experience in using following software and systems are preferred:
C, Python, Raspberry Pi, communication network, mobile application and web server development, cyber security, Development of Internet of Things (IOT), Image processing and other skill set required for DRIVE research projects in areas of digital technologies (viz. artificial intelligence, big data, blockchain etc.) smart mobility, smart cities, drones etc.

Person Specifications & Attributes

Additionally, they must have:

- Highly advanced diagnostic and problem-solving skills
- In depth understanding of diverse computer systems and networks
- High integrity/ethics and strong ability to work in a team
- Excellent communication ability.

Other requirements

- DHI application form
- Curriculum Vitae (CV)
- 2 referrals/recommendation letters from non-family related referees
- Copies of (1) Degree Certificates, (2) Academic Transcripts, (3) Security Clearance Certificate (online), (4) Medical Fitness Certificate, and (5) Citizenship Identity Card.

Employment Type

- Regular

Salary & Others Benefits

- Salary and benefits shall be fixed within the existing DHI pay scales and in line with the DHI Service Rules.