

ToR for **Associate Analyst DHI Research and Innovation Venture Excellence Center (DRIVE),
InnoTech Dept.**

The Associate Analyst shall be responsible for assisting the department in developing research projects for the DRIVE center and associated Labs in areas of digital technologies (viz. artificial intelligence, big data, blockchain etc.) smart mobility, smart cities, drones etc., She/He would be involved in prototyping of systems by designing, implementing, testing including supporting the department in building testbeds for the portfolio of research being implemented. She/He shall work under the direct supervision of the Analyst of department of Innovation and Technology (InnoTech).

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 multiple 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 and maintain research project frameworks, procedures and report documentation.
- Any other responsibilities as directed by the Department.

Education & Experience Criteria

He/she must have:

- Bachelor's degree in Engineering (Information Technology/Computer Science) with a min. of 60% in degree if General Degree, or 55% if Honours Degree. Min of 70% in Class XII (aggregate of English and four best subjects) and 70% in Class X (aggregate of all subjects).
- Prefer experience in using software and systems such as Matlab, C, Python, Raspberry Pi, Arduino platform.

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.