

JOB DESCRIPTION

Digital Transformation Lab Engineer

JOB DETAILS			
Position Title:	Digital Transformation Lab Engineer	Grade	
Department/Division:	Electrical Engineering & Computing Sciences		
Reports to:	Head of Department		
Supervises:	None		
Last Updated on:	December 4, 2019		

RIT Dubai is establishing an interdisciplinary innovation lab in digital transformation to support faculty in computing and engineering curricula and to provide a platform for research and training in the area of digital transformation and intelligent systems. The hardware and software capabilities of the lab will be used to implement use cases drawn from real-life problems to help organizations transform to digital operation. The lab aims to bring together experts across the boundaries of wireless 5G technologies, data sciences, smart cities, IoT, mobile applications, data analytics, AI, cloud technologies, computing security, and beyond, from both the university and the industry/government.

The Position:

The department of Electrical Engineering and Computing Sciences is currently seeking applications from exceptional candidates for the Digital Transformation lab engineer position with a strong commitment to education, training, and student support. The applicant must have established a strong record of industrial/governmental experience in developing and managing the delivery of digital smart solutions. The lab engineer is expected to work with lab constituents to identify use cases in digital transformation, interact with industry, government, and semi-government entities, identify the use-cases requirements, manage the design and delivery of the use-cases, and lead a training program for students and professionals. It's also desired that the lab engineer will be able to teach some computing labs and provide support to faculty and students in their computing courses. The selected candidate is expected to start in January 2020 in Dubai.

Main Duties and Responsibilities:

- Manage the digital transformation lab and ensure the achievement of its operational KPIs
- Reach out to the industry, government, semi-government, and solution providers and work with faculty to identify use cases that support the goals and objectives of the lab
- Manage the requirements, design and delivery of the digital transformation lab projects
- Engage with hardware and software vendors to equip the digital transformation lab with instruments, devices, smart kits, and software to support the use cases and training programs
- Develop training programs in digital transformation for students and professionals and teach some the courses

- Facilitate and support research by faculty
- Teach labs in computing (information technologies /computing security)
- Support students' extracurricular, club activities, and competitions
- Other functions as required by the department head or lab coordinator

COMMUNICATIONS/INTERPERSONAL RELATIONSHIPS

THIS POSITION REQUIRE INTERACTION WITH:

- Department Head – for reporting, scheduling, and setting expectations.
- Faculty – for alignment on instructions for the computing and the digital transformation labs and for working closely on acquiring new equipment and software.
- Students – through training and teaching the labs and to answer their questions and support their lab needs and extracurricular activities.
- Vendors – for ordering new lab equipment, devices, solutions and services.
- IT Department – for alignment on software and computing resources

RESPONSIBILITY FOR HEALTH/SAFETY OF OTHERS

This position has responsibility for the health and/or safety of others. Responsibilities include providing students with instructions on safety and proper use of equipment, monitoring their lab activities, and making sure electricity and signal radiation are used according to the safety rules set by the vendors. Lab equipment must be maintained according to vendor's recommendations.

Qualifications for the Position

- Masters' degree in Computer Science, Information Technology, or a closely related field.
- Experience in building and managing digital smart solution systems
- Experience in cloud management, orchestration, and applications
- Industry certifications in computing and digital transformation
- Previous teaching experience in information technology, networking, and computing security is preferred
- Excellent communication skills

APPLICATION PROCEDURE:

Please email your application to careersdubai@rit.edu and include the following items in your application:

- Subject line must include the source, your name and position you are applying for; (Mr. John Smith – Digital Transformation Lab Engineer)
- Cover letter detailing your technical/professional, teaching, and scholarship qualifications and achievements
- Resume or curriculum vitae
- Contact information

Applications review will begin immediately and continue until a candidate is found. Only shortlisted candidates will be contacted. For more information please visit RIT Dubai website at www.dubai.rit.edu.