



# CENTRE OF DIGITAL INNOVATION 2016



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## CENTRE OF DIGITAL INNOVATION

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# INTRODUCTION

The Center of Digital Innovation (CoDI) was established in late 2013 in response to the UAE leadership announcement of the mGovernment initiative. The services provided by CoDI are diverse, yet all work in parallel to achieve its main goal of achieving a smarter digital future in the UAE.



CoDI is a source of enabling the digital journey of the UAE and its citizens. It focuses on developing and allocating the best practices for the design and delivery of smart government services. In turn, CoDI has made partnerships with global educational institutes, orchestrated seminars, and established adequate training platforms for the public. In addition, it provides consultation services as a support to government entities and entrepreneurs needing assistance and guidance in their digital innovation journey. The environment of CoDI has been carefully engineered to act as the UAE's innovation hub, making it ideal for testing, exploring solutions and stimulating innovation and research in the digital sector.



# SMART LAB

The Smart Lab is a mobile application testing environment, it aims to boost the citizens' confidence in mobile services by enhancing the quality and security of mobile applications.



CoDI's mobile application testing service is composed of a smart environment with intelligent tools that are capable of testing mobile applications in critical areas. This service aids Government entities in pinpointing areas of improvement prior to deploying their applications. The automation and the easy accessibility of CoDI's Smart Lab provides an efficient solution. As a result, detailed reports are provided to the entities following the completion of the testing process for their reference. The Smart Lab also acts as a gatekeeper for the UAE Government App Store.



The Smart Lab official website may be accessed at the following link:  
[mgovlab.government.ae](https://mgovlab.government.ae)

# SMART LAB STATISTICS

## MOBILE APP TESTS PER PLATFORM



# 800+

Total number of tests performed

## THE AUTOMATED TESTING MECHANISMS FOR MOBILE APPS

### Compatibility test

Testing the application's compatibility with various hardware, operating system versions, and screen resolutions.

### Binary Analysis

Analyzing properties and permissions of the running application.

### Static Code Analysis

Investigating and detecting errors and defects in the source code without actually executing it.

### Dynamic Analysis

Penetration testing performed at the level of running applications which checks for exploitable vulnerabilities.

### Anti Reverse Engineering Test

Checking how safe the application is from being reverse engineered or modified, the code protections are verified.

### Load Test

Realistically simulating user activity and monitoring server behavior.



الدكومة الذكية  
mgovernment

# mGOV TRAINING

The wide range of training forms and topics offered by CoDI is targeted to benefit government employees, university students, job seekers, and in simple terms, knowledge seekers. The different channels of training include on-site instructor lead sessions, online virtual instructor lead sessions, and self-paced training.



The training programs offered by CoDI are carefully structured to cover essential technical, management, and leadership topics through its various forms. The main objective of the training courses is to raise awareness and improve skills amongst government employees with the aim of driving the transition towards a smart government. The courses combine both interactive and passive learning, encouraging greater knowledge retaining, gaining, and understanding. This is also achieved with aid of the dedicated teaching areas and intelligent software used to execute the training programs at the following web address:

[mgovtraining.government.ae](https://mgovtraining.government.ae)



# TRAINING STATISTICS

Trainees registered



5000+

Training sessions conducted

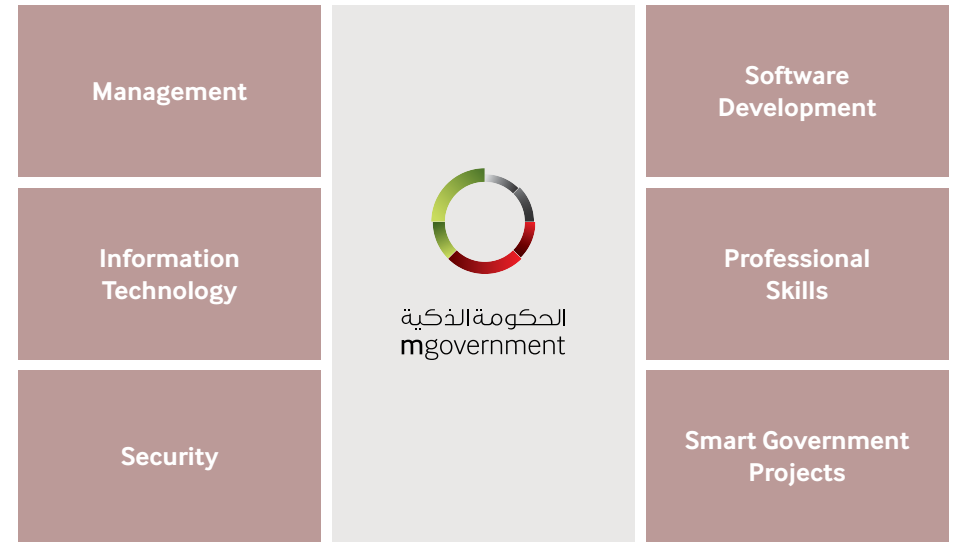


200+

50+

Courses developed

## TRAINING TOPICS



## TRAINING CHANNEL



# CONSULTATION

The consultancy service supports and encourages individuals to invest their time and effort in digital innovation. It is responsible for assisting government entities and individuals to expand and grow in this field and achieve efficiency when applying innovative ideas and projects.



The service also acts as a bridge of communication for project managers and developers who are working to support the UAE's smart government initiatives with industry experts specialized in their topic of interest.

CoDI offers technical consultation and acts as a platform for individuals to meet subject matter experts. This service also supports the ongoing efforts of other government organizations to integrate their platform and services to national platforms.





# CONSULTANCY STATISTICS

Completed consultancy cases

80+

Hours of consultation

200+

## TRENDING CONSULTATION TOPICS:

- Mobile App Development
- Security
- Robotics
- Data Analysis
- Internet of Things

## PEOPLE WE CONSULT



Students



Government

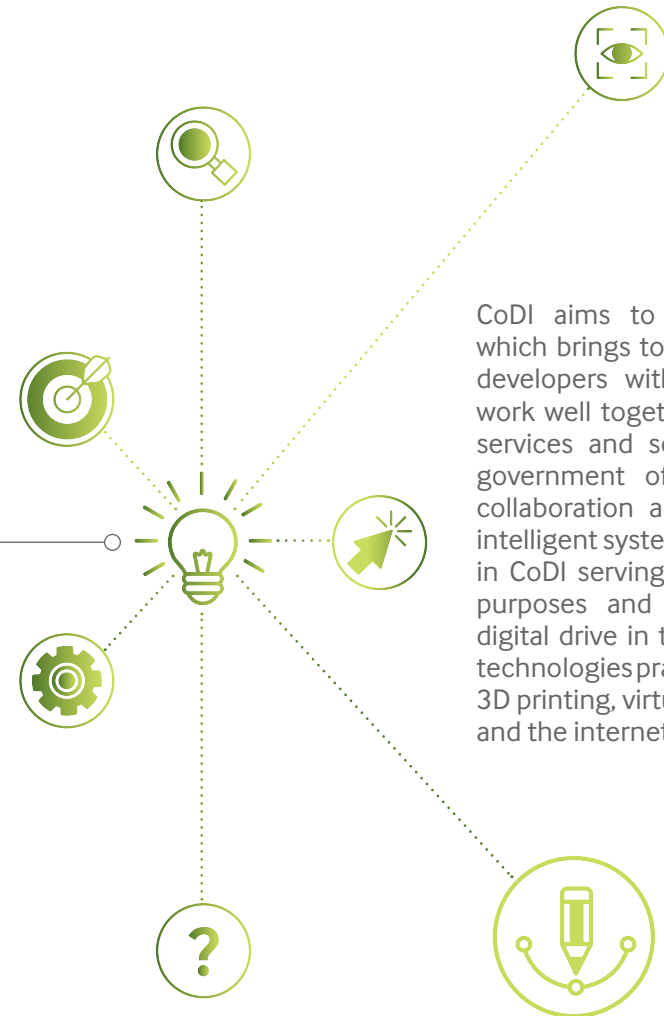


Businesses



# INNOVATION

As a digital innovation center, CoDI is home to the latest forms of technology, in which the innovation team is engaged in researching, testing and developing the best solutions to create systems which would benefit the people of the UAE and government entities, and in turn inspire individuals to create, innovate and design.



CoDI aims to build a community which brings together engineers and developers with many talents that work well together to build futuristic services and serve the people and government of the UAE. Through collaboration and exploration many intelligent systems have been created in CoDI serving multiple educational purposes and contributing to the digital drive in the UAE. Some of the technologies practiced at CoDI include 3D printing, virtual reality simulations, and the internet of things.

# INNOVATION PROJECTS

UAE Open Source Community

OpenUAE.ae



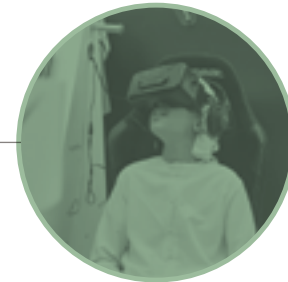
Skills Acquisition System



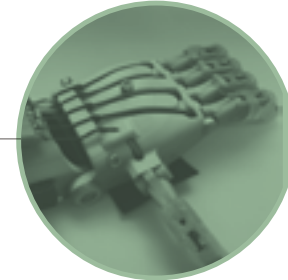
Virtual Health Lab



Gamification



3D Printing Lab



Innovation Summer Camp



# ACHIEVEMENTS

