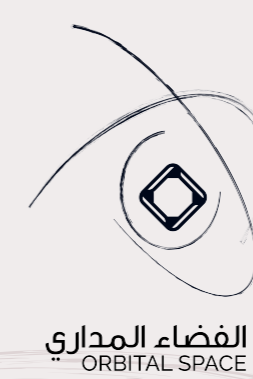


CODE IN SPACE

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This initiative was conceived to empower students to contribute to the advancement of satellite communication technology while also preparing future professionals to operate the next generation of communication satellites

HOW TO PARTICIPATE



QMR-KWT

Participation can be individual, or team based and should include a mentor (teacher/ university faculty member or scientist affiliated with a school or academic/ research institution)

1 Enroll in Spaceport Platform (<https://spaceport.academy/en/login>). For team based participation, each member of the team should create his/her own profile.

2 Join "Space Challenge: Orbital Space Edition" using the code: 7c17a2c4

3 Complete educational units to earn a minimum of 20 points

TOPICS

Games and Apps. using Satellite Signals or Data

Scientific Investigations

(based on onboard sensors readings such as temperature, magnetic field, acceleration, and light)

Satellite Communications

Satellite Operating System (Flight Software)

Ground Stations and Ground Operations

4 Solution
Come up with a solution for current challenge or limitation in the satellite industry or new concept that could be of value to satellite technology or a smartphone app or even an exciting game

Submit your proposal electronically to info@orbital-space.com

www.orbitalspace.org

Code in Space initiative is the mission of Kuwait's first satellite known as 'QMR-KWT' cubesat. QMR-KWT is 1U amature cubesat and is an open access cubesat accessible to students from around the World. For the first time, students can send and execute their code in space (Low Earth Orbit). The code will be executed by the satellite's onboard computer and will be tested under real space environment conditions. The code executions results will be transmitted back to Earth via a satellite ground station based in Dubai, in the UAE.

OBJECTIVES

Increase awareness about current opportunities and challenges in the satellite industry.

Encourage solutions to current challenges faced by the satellite industry.

Encourage and empower students to design and develop new concepts that could contribute to the advancement of satellite technology.

Increase awareness about new space (space 2.0) revolution and its potential impact on humanity.