



ORC is online robotics competition that engages students in coding, designing, and solving different exciting challenges. This competition is open for individuals and teams, ages 8 – 14 years.

ORC aims to raise children awareness toward the importance of Covid-19 precautionary measures. Students will program the robot to work autonomously to welcome airport arrivals and guide them to the testing center, where positive COVID19 cases will be taken to quarantine designated area, and negative COVID19 cases will be transported to reach their destinations safely. The whole process is autonomous without any human interaction to reduce risks for our first line defense and keep them safe.



Age:
8 – 14 years old



Theme:

Robot-led Covid-19 Testing Center

To raise children awareness toward the importance of Covid-19 precautionary measures.



Participants

Teams (2-3 members) or **Individual**

Registration Opens
13 October till 31 October 2020

Register at
www.stema-center.com/ORC

Fees: 1,050 AED per team or individual

Participants will get:
Robot Kit | Game Arena |
Free Training | Game Manual |
Discount Voucher for STEMA

For inquiries Call 04-2868611
or 050-1318050

Robot Kit:

Hardware : Mbot basic kit will be used to solve the challenges.

Software: Software download link will be provided on registration



Mission Arena and Submissions

- 85 cm x 150 cm mat designed with 5 main challenges.
- Teams or individuals can participate to ORC.
- Final qualifications will include online presentations, code demonstration to judging panel and final rounds. (See Game Manual for more details on submission criteria).



Important Dates

Agenda	Target Period
Registration Dates	13 th October - 31 st October 2020
Free Training Sessions	5 – 7 November 2020
Submission Deadline	22 November 2020
Announce Qualified Teams for interviews	24 November 2020
Live Competition	27 - 28 November 2020
Award Ceremony	7 th December 2020