



IEEE E-JUST SB
Monetary Support Proposal
For
All Egypt Micromouse Competition
2021

Competition Brief:

In a wooden maze, mice must find their way from a designated start location to the maze's center. The fastest mouse of them all is the winner. The Micromouse Competition was born in Japan in 1970 and has been running till now.

Now, we have brought it to Egypt in collaboration with our technical partner EME labs (Egypt Makes Electronics).

Competition Organizers:

IEEE E-JUST SB in collaboration with EME Innovation Labs Burj Elarab under the supervision of IEEE Egypt Section.

Competition Date:

The competition is to be held from Oct. 7th to Oct. 9th.

Competition Venue:

E-JUST Main Campus.

Proposal:

PURPOSE	QUANTITY	COST (EGP)
Complementation of the competition awards money.	4	3000
IEEE t-shirts	10	1500

Competition Monetary Awards:

- 1st place: 6000 EGP
- 2nd Place: 4500 EGP
- 3rd place: 3000 EGP
- Best Algorithm: 500 EGP

Competition KPIs:

KPI	Value
Total Teams	19 Teams
Total Participants	80 Participants
Average Team members	4 members
Major Education Level	Bachelor degree
Major Gender	Males

Competition Rules:

- The maze is to be made of wood.
- The maze dimensions are 2.88m x 2.88m.
- The maze's walls are to be 5 cm high.
- The maze is to consist of 16x16 cells, each cell is 18cmx18cm.
- Robots' dimensions must not exceed 15cmx15cm.
- Robots must not be identical. Teams, whose robots are identical, may face disqualification from the competition.
- The competition is conducted through 3 rounds.
- Each round score is calculated as a handicapped time.
- Handicapped time = (Maze time/30) + (Run Time)
 - Maze time: time taken to search for the target.

- Run time: time taken to run from the target to the start location.
- The total score of each team is the total of all its handicapped times in all rounds