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ESCAPE PLAN

OBJECTIVE

* To design fire exit in a given plan with economy

REQUIREMENTS

* Floor plan paper.
* Necessary geometric tools.

INFORMATION

* Form a group of two
* A two story building plan will be provided form here.
* You need to provide fire exit doors in a given plan at proper places so that evacuation can be done fast and efficiently.
* You need to show the path guiding to the nearest fire exit door from the room.
* Other necessary information will be provided on the spot.

CONDITIONS

* There will be a separate fire exit door for handicaps. This door can not be used for general people until all the handicaps are evacuated.
* Average movement speed of people is 1.5 meter per second and for handicaps is 1 meter per second.
* Speed of evacuation from the fire exit door is 2 person per second and is 1 person for seconds for handicaps.
* The whole area must be evacuated before 50 seconds.

JUDGING CRITERIA

* If time taken for evacuation is more than 50 seconds then that team will be disqualified.
* Distance need to be travelled to reach the nearest fire exit door cost 1 point per meter.
* We will provide 5 fire extinguisher and we will judge as per thier placement of extinguisher.
* Distance will be measured from the farthest corner of the room.
* Installation of a fire exit door cost 2 point per door.
* Team with the least points will be declared as the winner.

EVENT COORDINATORS

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