

# Underwater RoboSoccer

Science Club

NIMBLE'17

## 1. Introduction:

For all those who have passion in sports, NIMBLE'17 presents 'Soccer in Water'. This competition is to show how good and swift boat of yours can be by playing soccer in water thus and scoring more points.

## 2. Problem Statement:

The task is to build a wired/wireless remote controlled boat which can push the balls to assigned position, which cannot have pull-up mechanism in it. There will be two different coloured balls in the arena. Your task is to drag/push the balls into assigned position.

## 3. Arena:



Rough idea of the arena

## 4. Team Size:

Students from different years can form a team. A team should consist of at least 2 members.

## 5. Specifications:

1. The vehicle must easily fit into a box of 25cm x 25cm x 30cm (lxbxh).
2. Maximum voltage in the circuit should not exceed 12V at any time.
3. The RPM of motors used to make the robots should not exceed 300 rpm.

## 6. Judging Criteria:

1. You will be given 5 minutes for your Task.
2. Different points will be assigned for different colour balls and point will be given according to the numbers of balls present in the assigned position at the end of the time.

**All decisions taken by the organizing team will be deemed as final, and no more changes will be encouraged, thus holding the full authority to change any of the above rules as per circumstances.**

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