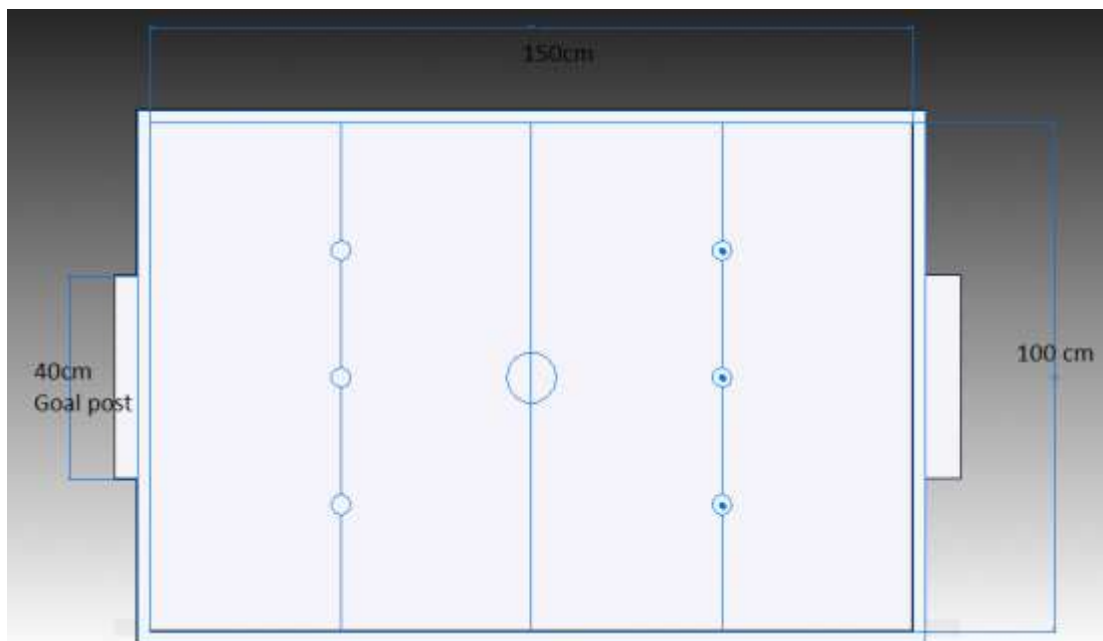# ROBO SOCCER

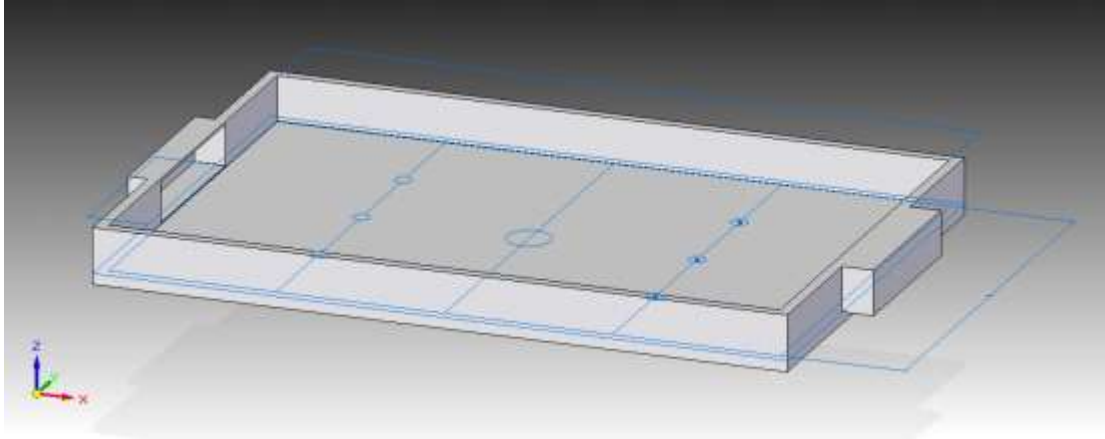**Problem statement:**

All participants should make a 3 wheeler wired remote controlled Bot which can move, hold the Table Tennis ball and hit it into opponents Goalpost to score goal. By the end of the time bot scoring more Goals wins the match.

Arena specifications:

1. Field is 150cm (length) X100cm (width)

2. Field is divided into two half fields and side walls of height 10cm covered with 1 inch(2.54cm) thick thermocol sheets

3. Goalpost of width 40cm

4. 37.5cm Dotted line for penalty shoots

Rules and Regulations:

1. Bot **shouldn't hold** the ball more than **5sec**

2. Bot shouldn't damage arena and opponent's Bot (if found doing so, corresponding team will be disqualified)

3. Team of maximum **3 members**

4. Total match time **3 minutes**

5. Bot maximum dimensions should be **25cm X 25cm X 25 cm**

6. Maximum voltage supply to the Bot is **12V**

7. Only **wired and manually** controlled bots

8. The one who scores more Goals announced as the winner of that match

9. First all matches are knock out matches later semis and finals.

10. If Draw, then there will be a penalty shoot outs.

　　　Penalty shootout: Every team has to throw the ball from the three circles which are on 37.4cm line directly into opponents Goal posts, that time opponent won't be there. There are three circles on this line. First time middle one preferred. Later, anyone in the remaining two. This will be continued until tie breaks.

Note:　In case of any controversies, organizers' decision will be final and binding to all.

Important Dates:

	1st October	last date for giving team
		Names and plans
	4th October	Club session regarding this

Participants should form a team and send the mail to following mail IDs for registration to the event. Also teams should briefly explain their idea in the mail. Nvision will provide components for teams which register before 1st October. As that number is limited, if the number exceeds, those teams will be decided based on their idea.

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