



DELHI PUBLIC SCHOOL DWARKA

presents



CORE 10

ROBODEX 7



1 & 2 NOVEMBER 2017



RULES AND REGULATIONS

- All schools must report for registration at 8:00 am.
- To compete for the Overall Trophy, it is mandatory to participate in at least 10 events.
- The schedule and rules are subject to last minute changes.
- Please refer to our website www.coreis.us or our Facebook page @dpsCore for further updates.
- Online registration will begin from **12 October 2017**. Duly filled in registration forms must reach DPS Dwarka latest by **30 October 2017**.



Schedule

Day 1

Time \ Venue	Auditorium	Senior Lab	Computer Lab (Main Building)	Gaming Lab	Classrooms (Main Building)
8:00am - 8:30am	Registration				
8:30am - 9:00am	Inauguration				
9:00am - 9:30am	Group Discussion	Hardware Prelims	Creative + DI	Gaming	JQ Prelims
9:30am - 10:00am					SQ Prelims
10:00am - 10:30am		Surprise			Crossword Prelims
10:30am - 11:00am					
11:00am - 11:30am					
11:30am - 12:00pm					
12:00pm - 12:30pm	JQ Finals				
12:30pm - 1:00pm					

Time \ Venue	Open Air Stage	Open Air Stage Field	Basement
9:00am - 1:00pm	Beg Borrow Steal	Maze	Perepeteia



Day 2

Time \ Venue	Auditorium	Senior Lab	Computer Lab (Main Building)	Gaming Lab	Classrooms (Main Building)	
8:00am - 8:30am	Registration					
8:30am - 9:00am						
9:00am - 9:30am	SQ Finals	Hardware Finals	AV + 3D Finals	Programming Finals	Gaming	
9:30am - 10:00am						
10:00am - 10:30am						
10:30am - 11:00am	Crossword Finals					
11:00am - 11:30am						
11:30am - 12:00pm						
12:00pm - 12:30pm	Gaming Finals					
12:30pm - 1:00pm	Valedictory					

Time \ Venue	Open Air Stage	Badminton Court	School Grounds
9:00am - 12:30pm	Robowars	Robosoccer	Photography



CORE EVENTS

1) 3D MODELLING + A/V EDITING

Sync. And a LOT more. A test of clean and skillful multidimensional aesthetics. What's better? Let's take Audio-Video editing to a literal level. Each team must consist of a Video editor, an Audio editor and a 3D designer respectively.

Prelims to be submitted online by midnight of 29 October 2017. Upload to YouTube(unlisted) and email the link to **prelims@coreis.us**. A maximum of 6-8 teams will qualify for the finals on the day of the event. Updates related to the topics will be made online.

Topic: www.coreis.us/prelims

Softwares Provided: 3Ds Max 10, Blender, Maya, Adobe Premier Pro, Adobe After Effects, Sony Vegas, Adobe SoundBooth, FL Studio, Audacity.

Participants: One team of three members

Eligibility: Open

2) CREATIVE + DIGITAL IMAGING

Creativity. Enough said.

Prelims to be submitted online by midnight of 29 October 2017. Upload on google drive/dropbox and email the link to **prelims@coreis.us**. A maximum of 6-8 teams will qualify for finals on the day of the event. Updates related to the topics will be made online.

Topic: www.coreis.us/prelims

Software provided: Sublime Text, Adobe Photoshop, Adobe Illustrator

Participants: One team of two members

Eligibility: Open



3) CROSSWORD

Are you _____ enough ? (8)

Participants: Two teams of two members each

Eligibility: Open

4) enCORE

An online cryptic & creative hunt.

Timing: 22 October - 23 October

Participants: Team event(all participants of the school)

Eligibility: Open

5) GAMING

Pwned.

Software provided: ?

Participants: One member

Eligibility: Open

6) GROUP DISCUSSION

Let's talk tech.

Participants: One member

Eligibility: Open

7) HARDWARE

A test of knowledge and skill. Only the best may endure.



Participants: One team of two members

Eligibility: Open

8) JUNIOR QUIZ

A test of your obsession. Six teams shall be selected for the final round on the basis of a written preliminary round.

Participants: Two teams of two members each

Eligibility: VI - X

9) SURPRISE

Error 404: Not Found

Participants: One team of two members

Eligibility: Open

10) PROGRAMMING

```
#include<RDP.h>
void pro()
{
    int level = 9000;
    level++;
}
```

Six teams will qualify for the finals on the day of the event. Announcement related to the prelims will be made online on **www.coreis.us/prelims**

Online Prelims: 30 October 2017

Language: C++ (Turbo C++ 3.0, Dev C++, Codeblocks - C++11 Support)

Participants: One team of two members

Eligibility: Open



11) SENIOR QUIZ

A test of your obsession, another level up. Six teams shall be selected for the final round on the basis of a written preliminary round.

Participants: Two teams of two members each

Eligibility: Open

12) PHOTOGRAPHY

A test of capturing virtual reality, an illusion of an interesting world.. Drastic editing won't be allowed.

Prelims to be submitted online by midnight of 29 October 2017. Entries to be mailed at **prelims@coreis.us**. A maximum of 8 teams will qualify for the finals on the day of the event. Announcements related to the topics will be made online.

Participants: One member

Eligibility: Open

13) HACKING

Online event. Hack in, fellas.

Event would be held from 28 October to 29 October 2017.

Participants: One member per school.

Eligibility: Open



ROBODEX EVENTS

1) BEG BORROW STEAL

Each team will be required to bring 2 bots. They will be provided with a defined area in which some objects would be scattered /spread. 2-4 teams will be placed in the arena with a defined area for each team. The teams have to collect as many objects as possible into their area in the given time, they can even snatch/steal the objects from others. The team with the maximum number of objects in the allotted time-period will be declared the winner

Participants: One team of four members

Eligibility: Open

Instructions:

- The bots can be wired or wireless.
- Length of the wire should not be less than 3m(if wired)
- Bot Dimensions should not exceed the maximum of 30cmX30cmX30cm
- Maximum Voltage supply-12V
- Max. Weight- 2kgs
- There will be negative marking if the bots perform any foul during the run.
- The decision of the judges will be final and binding.

2) ROBOWARS

An epic battle between machine and machine. To make a combat robot and to fight with other robots.

Participants: One team of two members.

Eligibility: Open

Instructions:

- Robots can have any kind of magnetic weapon, cutters, saws, pushing mechanism, etc.
- Robots with any kind of explosives or any flame throwers will not be allowed. If any bot possess such weapons, the team would be directly **DISQUALIFIED**
- Weight - Max.5 Kg
- Max. Dimensions - 30cm x 30cm x 30cm.



- Voltage - Max. 12V.
- Length of the wire- Minimum 3m
- Extension boards will be provided.
- Decision of the judges would be final and binding

3) PERIPETEIA (Surprise Event)

$$\Delta y \Delta p \geq \frac{h}{2\pi}$$

Participants: One team of two members.

Eligibility: Open.

4) ROBO MAZE

Each team has to build a bot in order to complete the given Maze consisting of tricky course and obstacles (like sand and gravels, rough terrain, bumpy Stretches etc.) This will be a time-based event.

Participants: One team of two members

Eligibility: 6th-8th

Instructions:

- The bot can be wired or wireless
- Length of the wire should not be less than 3m(if wired)
- Bot Dimensions should not exceed the maximum of 30cmX30cmX30cm
- The bot should be waterproof.
- Maximum Voltage supply-12V
- There will be negative marking if the bot crosses the path boundaries at any point during the run.
- Every team will only be given a single run
- Any damage to the arena will lead to the direct disqualification of the bot.
- The decision of the judges will be final and binding



5) ROBO SOCCER

The task is to play a game of football (The size of a T.T. Ball) with robots. Each team will consist of 2 bots, one attacker bot and one defender bot. The team scoring the higher number of goals within the given time period will win the match. It will be a knock-out tournament.

Participants: One team of four members

Eligibility: 9th-12th

Instructions:

- The bots can be wired or wireless.
- Length of the wire should not be less than 3m(if wired)
- Bot Dimensions should not exceed the maximum of 30cmX30cmX30cm
- Maximum Voltage supply-12V
- Max. Weight- 2kgs
- The bots can capture the ball for only 5 seconds.
- There will be negative marking if the bot performs any foul at any point during the run.
- The bots should not possess any weapons. None of the bots should pose any threat to the arena or the opposing team's bots.
- The decision of the judges will be final and binding.

NOTE- All the tools for repairing/ rebuilding the bot should be brought by the participating teams. The host school will only provide for an electric port to work with.



Points Distribution : ROBODEX

S. No.	Event	First	Second	Third
1.	Beg Borrow Steal	120	100	80
2.	Robo Wars	120	100	80
3.	Peripeteia	100	80	60
4.	Robo Soccer	100	80	60
5.	Robo Maze	100	80	60



Points Distribution : CORE

S. No.	Event	First	Second	Third
1.	enCORE	200	160	120
2.	Hacking	120	100	80
3.	Programming	120	100	80
4.	Senior Quiz	120	100	80
5.	Creative + DI	120	100	80
6.	AV + 3D	120	100	80
7.	Crossword	100	80	60
8.	Group Discussion	100	80	60
9.	Gaming	100	80	60
10.	Surprise	100	80	60
11	Hardware	100	80	60
12.	Junior Quiz	100	80	60
13.	Photography	100	80	60



Contact Us

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Delhi Public School, Dwarka

CORE 10

Name of the School			
Teacher Incharge	Name:		
	Contact No. :		
Student Incharge	Name		
	Contact No. :		
A/V + 3D			
Creative + DI			
Crossword	Team 1:		
	Team 2:		
Gaming			
Group Discussion			
Hardware			
Junior Quiz	Team 1:		
	Team 2:		
Programming			
Senior Quiz	Team 1:		
	Team 2:		
Surprise			
Photography			
Hacking			



Delhi Public School, Dwarka

ROBODEX 7

Name of the School			
Teacher Incharge	Name:		
	Contact No. :		
Student Incharge	Name		
	Contact No. :		
Beg Borrow Steal			
Robo Wars			
Robo Soccer			
Robo Maze			
Peripeteia			