



# DELHI PUBLIC SCHOOL DWARKA

presents



## CORE 9

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## ROBODEX 6



27 and 28 OCTOBER 2016





# 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 6 events
- The schedule and rules are subject to last minute changes.
- Please refer to our school website [www.dpsdwarka.com](http://www.dpsdwarka.com) or our Facebook page **@dpsCore** for updates.
- Online registration will begin from Friday, 14 October 2016.
- Duly filled in registration forms must reach DPS Dwarka latest by Friday, 21 October 2016.



# Schedule

Day 1

Thursday, 27 October 2016

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	Surprise	Creative	Gaming	JQ Prelims
9:30am - 10:00am					SQ Prelims
10:00am - 10:30am					Crossword Prelims
10:30am - 11:00am					
11:00am - 11:30am					JQ Finals
11:30am - 12:00pm					
12:00pm - 12:30pm	Crossword Finals	Hardware Finals			
12:30pm - 1:00pm					

Time \ Venue	Open Air Stage	Badminton Court
9:00am - 1:00pm	Robowars	Junior Event



## Day 2 Friday, 28 October 2016

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	3D Finals	AV Finals	Programmin g Finals	Gaming
9:30am - 10:00am					
10:00am - 10:30am					
10:30am - 11:00am					
11:00am - 11:30am					
11:30am - 12:00pm	Gaming Finals				
12:00pm - 12:30pm					
12:30pm - 1:00pm	Valedictory				

Time \ Venue	Open Air Stage	Basement	Near Tennis Court
9:00am - 12:00pm	Touch Run Safe	Peripeteia	Senior Event



# CORE EVENTS

## **3D Modelling**

A test of clean and skilful multidimensional aesthetics.

Prelims to be submitted online by midnight of 24th October 2016. Prelims to be uploaded on google drive/dropbox and the link to be mailed to: **prelims@coreis.us**. A maximum of 9 teams will qualify for the finals on the day of the event. Updates related to the topics shall be made online.

**Topic:** [www.coreis.us/prelims](http://www.coreis.us/prelims)

**Softwares Provided:** 3Ds Max 10, Blender, Maya

**Participants:** One team of two members

**Eligibility:** Open

## **Audio/Video Editing**

Sync. And a bit more.

"Bole to Audio Visual Jo bolne ke liye audio visual hai but asal mein sirf visual hai, but not this time"

Prelims to be submitted online by midnight of 24th October 2016. Upload to YouTube(unlisted) and email the link to **prelims@coreis.us**. A maximum of 9 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](http://www.coreis.us/prelims)

**Softwares provided:** Adobe Premier Pro, Adobe After Effects, Sony Vegas, Adobe SoundBooth, FL Studio, Audacity.

**Participants:** One team of two members.

**Eligibility:** Open



## CREATIVE

Good design is obvious. Great design is transparent.

Prelims to be submitted online by midnight of 24th October. Upload on google drive/dropbox and email the link to **prelims@coreis.us**. A maximum of 9 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](http://www.coreis.us/prelims)

**Software provided:** Sublime Text, Adobe Photoshop, Adobe Illustrator

**Participants:** One team of three members

**Eligibility:** Open

## CROSSWORD

Are you \_\_\_\_\_ enough ? (8)

**Participants:** Two teams of two members each

**Eligibility:** Open

## enCORE

An online and onsite cryptic & creative hunt.

**Timing:** 22nd October - 23rd October (for online event)  
: Day 1 (ie. 27th October) (for onsite event)

**Participants:** Team event(all participants of the school)

**Eligibility:** Open

## GAMING

Pwned.

**Software provided:** ?

**Participants:** One member

**Eligibility:** Open



## GROUP DISCUSSION

Let's talk tech.

**Participants:** One member

**Eligibility:** Open

## HARDWARE

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

There will be an online prelims on 24th October at **[www.coreis.us/hardware](http://www.coreis.us/hardware)**. Updates related to the timings of the prelims will be made online at **[www.coreis.us/prelims](http://www.coreis.us/prelims)** . Six teams will qualify for the finals on the day of the event.

**Participants:** One team of two members

**Eligibility:** Open

## JUNIOR QUIZ

An enigmatic quiz based on computer science and technology. 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

## SURPRISE

Error 404: Not Found

**Participants:** One team of two members

**Eligibility:** Open





## 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](http://www.coreis.us/prelims)

**Online Prelims:** On 25th October on Hackerrank

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

**Participants:** One team of two members

**Eligibility:** Open

## SENIOR QUIZ

An enigmatic quiz based on computer science and technology. 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



# ROBODEX EVENTS

## **TOUCH RUN SAFE**

Analogous to the game 'Dog and the Bone', this task consists of 2 opponents each with 2 robots competing to **'Touch'** a tap key and then **'Run'** to **'Safety'**. The robots must reach the finish line without being touched by the opponent's robots to win the round. The teams must build 2 robots to compete with or attack the opponent's robots.

**Participants:** One team of four members, 2 robots per team.

**Eligibility:** Open

**Max. Dimensions:** 30cm X 30cm X 30cm

**Max. Voltage:** 12V

## **ROBOWARS**

An epic battle between machine and machine.

The robots must remain in the arena by defending themselves against the opponent's robot. A robot may use any\* mechanism to defend from or attack the enemy.

**Participants:** One team of two members.

**Eligibility:** Open

**Max. Dimensions:** 30cm X 30cm X 30cm

**Max. Voltage:** 12V

\*except fire and acid.

## **PERIPETEIA (Surprise Event)**

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

**Participants:** One team of two members.

**Eligibility:** Open.



## SENIOR EVENT - SHOT PUT

Similar to the Olympic sport of Shot put, this task requires the robot to use a launching mechanism to throw a **tennis ball** as far as possible. The robot with the maximum horizontal distance wins.

**Participants:** One team of two members.

**Eligibility:** IX-XII

**Max. Dimensions:** 30cm X 30cm X 30cm

**Max. Voltage:** 12V

## JUNIOR EVENT - BOWLING

Strike!

Create a robot with the ability to roll/push/throw a ball to topple bowling pins. The robot with the most knocked down bowling pins wins.

**Participants:** One team of two members.

**Eligibility:** VI - VIII

**Max. Dimensions:** 30cm X 30cm X 30cm

**Max. Voltage:** 12V

## Points Distribution : ROBODEX

S. No.	Event	First	Second	Third
1.	Touch Run Safe	120	100	80
2.	RoboWars	100	80	60
3.	Peripeteia	100	80	60
4.	Senior Event	80	60	40
5.	Junior Event	80	60	40



# Points Distribution : CORE

S. No.	Event	First	Second	Third
1.	enCORE	200	160	120
2.	Programming	120	100	80
3.	Senior Quiz	120	100	80
4.	Creative	120	100	80
5.	Crossword	100	80	60
6.	Group Discussion	100	80	60
7.	Gaming	100	80	60
8.	Surprise	100	80	60
9.	A/V Editing	100	80	60
10.	3D Modelling	80	60	40
11	Hardware	80	60	40
12.	Junior Quiz	80	60	40



## Contact Us

<b>Delhi Public School Dwarka</b>	011-25074472-75 Fax: 25074494	mail@dpsdwarka.com
Ms. Sonica Chugh <b>Teacher Incharge CORE</b>	9560849079	sonica_chugh@yahoo.co.in
Mrs. Pooja Batra <b>Teacher Incharge ROBODEX</b>	9810164182	batrapooja.11@gmail.com
Sidhant Bansal <b>President CORE</b>	9811123720	sidhbansal@gmail.com
Anubhav Baweja <b>Vice President CORE</b>	9810049758	bawejaanubhav@gmail.com
Agastya Jha <b>Vice President CORE</b>	9650340411	agastyavjha.28@gmail.com
Ayush Kumar <b>President ROBODEX</b>	9910064129	akumar5341@gmail.com
Arnav Kumar <b>Vice President ROBODEX</b>	9650372699	arnavkumar06@gmail.com
Shruti Arora <b>Vice President ROBODEX</b>	9818518454	arorashruti25@gmail.com



## Delhi Public School, Dwarka

# CORE 9

## Registration Form

<b>Name of the School</b>			
<b>Teacher Incharge</b>	Name:		
	Contact No. :		
<b>Student Incharge</b>	Name		
	Contact No. :		
<b>3D Modelling</b>			
<b>Audio/Video Editing</b>			
<b>Creative</b>			
<b>Crossword</b>	Team 1:		
	Team 2:		
<b>Gaming</b>			
<b>Group Discussion</b>			
<b>Hardware</b>			
<b>Junior Quiz</b>	Team 1:		
	Team 2:		
<b>Programming</b>			
<b>Senior Quiz</b>	Team 1:		
	Team 2:		
<b>Surprise</b>			



**Delhi Public School, Dwarka**

# **ROBODEX 6**

## **Registration Form**

<b>Name of the School</b>		
<b>Teacher Incharge</b>	Name:	
	Contact No. :	
<b>Student Incharge</b>	Name	
	Contact No. :	
<b>Touch Run Safe</b>		
<b>RoboWars</b>		
<b>Peripeteia</b>		
<b>Senior Event</b>		
<b>Junior Event</b>		