



**RUKMINI DEVI**  
**PUBLIC SCHOOL**  
*The school with a difference...*  
Under the aegis of Seth Pokhar Mal Educational Society

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CD BLOCK  
PITAMPURA  
DELHI, INDIA



# DIGILOGOUS 6

## INTER SCHOOL IT COMPETITION

### (2019-20)

## A Technology Extrabaganza

*"If you **always** did what you **always** did, you will **always** get what you **always** got."*

*~~ Albert Einstein*

## *Aims & Objectives*

It is our fundamental belief that technology can change the world and improve people's lives. Over the last few decades, it has transformed the way people live, work, play and connect. The substantial contributions of technology geniuses to the field have contributed significantly to the overall development of the country. To celebrate the gifts of the great technologists, to encourage and nurture the usage of information and communication technology in various fields of Science, Agriculture, Defense, Entertainment, etc., Digilogous- the inter-school IT Competition was initiated in the year 2014. The fest has witnessed five tremendously successful years thus far. The sixth edition of Digilogous, Digilogous 6, will be held on Saturday, August 3, 2019. It seeks to meet the following aims:

- ❖ To foster and enhance students' skills, confidence and leadership quality.
- ❖ To enhance the analytical and logical aptitude of students.
- ❖ To bring out the best in students and enhance their logical and creative abilities.
- ❖ To groom the capacities and potentials of the students and provide them an opportunity to showcase their managerial skills.
- ❖ To develop a healthy spirit of competition among the students and prepare them to step into a competitive world.

## *Description*

It has become increasingly obvious that technology has exceeded our expectation and invaded our lives. The Technology geniuses made substantial contributions in the field of Technology which has made tremendous changes in the overall development of the country. To carry forward the contribution of the great technologists, to encourage & nurture the usage of information and communication technology in various fields of Science, Agriculture, Defense, Entertainment, etc., our school will be organizing an Inter School IT Competition: Digilogous on August 3, 2019.

## **GENERAL INSTRUCTIONS**

1. All entries for registration must reach us by **July 27, 2019 (Saturday)** via email/online.
2. On the spot registration will not be entertained.
3. Participating schools to report at the reception desk at 8:00 am on **August 3, 2019 (Saturday)** and confirm details of participation. It is advisable to check the participation details of the students at the Registration Desk, as change of name in a registered event may be permitted, however a fresh registration for an event would not be entertained.
4. Please gather in the auditorium for the inauguration ceremony by 8:15 am.
5. You are requested to be present for the Valediction ceremony at 1:00 pm in the school auditorium on the same day.
6. First three position holders of each event will be awarded cash prize, a trophy and a certificate of Appreciation except for the Surprise and Ad-Campaign events for which first two position holders will be awarded.
7. A school will have to participate in all the events for the rolling trophy, which will be awarded to the school scoring the highest points. Details are:-

For Surprise and Ad-Campaign events	For remaining events
<b>First Position : 6</b>	<b>First Position : 5</b>
<b>Second Position : 4</b>	<b>Second Position : 3</b>
	<b>Third Position : 2</b>

*[Note: Schools with registration by July 15, 2019 will be awarded 3 extra points.]*

8. Last date for submission of vines for Audio-Video event is **July 29, 2019 (Monday)**.
9. Please check our Facebook page regularly for more details of individual events.
10. Topic of Debate will be announced on our Facebook page and event website on **July 31, 2019 (Wednesday)**.
11. Treasure Hunt is an **online** event only which will happen from **July 29, 2019 12 noon to July 31, 2019 12 noon**. Hints for various rounds will be on Facebook page only.

12. Posters, CDs and Models will be retained by the host school.
13. It should be ensured that participants **DO NOT** register for events that may possibly clash.
14. Participants are advised to stick to the allotted time for the event. Any extra time taken by the participants will disqualify them.
15. The certificates to be distributed among the participants will bear only the name of the event and the position. The names of the participants will be written by the participating schools.
16. Judges decision will be final and binding.
17. Participants are required to bring their own devices/materials like video camera/ headphone/ colors/ brushes/stationary, Laptops, etc. as per the event details mentioned.

*Please visit the website <http://digilogous.rdpschool.edu.in> for further details of the events.*

*For clarification of queries contact Event Convener:*

*Ms. Rucche Sharrma – 9999505988 or School Reception- 011-27314235, 011-27313693.*

*For email entries mail can be sent to [digilogous@rdpschool.edu.in](mailto:digilogous@rdpschool.edu.in).*

## List of Events

S.No.	Name of the Event	Classes
1	Doodling (Mishmash)	V-VIII
2	Junior Quiz (Mega Minds)	V-VIII
3	Best Out of Waste (Hodgepodge)	V-VIII
4	2 D Animation (Scratch)	VI-VIII
5	Design and Create (</web>)	VII-X
6	Programming (Sudo Solve)	IX-XII
7	Turncoat debate (Ricochet)	IX-XII
8	Audio/ Video Editing (Cinephonic)	IX-XII
9	Ad Campaign( Initium)	XI-XII
10	Senior Quiz (Giga Minds)	IX -XII
11	3D Designing (Extrudus)	IX -XII
12	Gaming (Game-o-zone)	Open
13	Treasure Hunt (Online Event)	Open
14	Surprise event (Blitzkrieg)	Open
15	Robotics (Trackathon)	Open



## **Event Details**

### **1. Doodling (Mishmash):**

“The creation of an art from the soul is an inner journey that allows your soul to speak to you. Your soul’s voice can be heard through the images, feelings and insights that surface.”

The task is to design a doodle on the given topic. The participants need to bring their own required materials (drawing board, colours/paint brushes/markers/sketch pens, etc.). Sheet will be provided by the host school. *Any kind of spray paints are not allowed.*

**Eligibility: V-VIII**

**Time allotted: 60 Minutes**

**Maximum Number of Teams per school: 1**

**Number of Participants per Team: 1**

### **2. Junior Quiz (Mega minds):**

“Unlocking knowledge at the speed of thought.”

This is a technology quiz event, consisting of a preliminary round and a final round. The teams would have a common set of questions in the first round, to be answered on paper. The top 6 teams (*even of same school!!*) would qualify for the on-stage finals to compete with each other.

**Eligibility: VII-VIII**

**Maximum Number of Teams per school: 2**

**Number of Participants per Team: 2**

### **3. Best Out of Waste (Hodgepodge) :**

*“Hall of mirrors, every direction you look you see something different and visually stimulating.”*

The creation of an art from the soul is an inner journey that allows your soul to speak to you. Your soul’s voice can be heard through the images, feelings and insights that surface. The task is to create a model on the topic “Best Out of Waste.” Hard Base of 2’X2’ will be provided. However, the participants need to bring their own required materials. The model must consist at least 40% of e-waste.

**Time Allowed: 90 minutes**

**Eligibility: V-VIII**

**Maximum Number of Teams per school: 1**

**Number of Participants per Team: 2**

#### **4. 2D Animation (Scratch)**

Participants would be required to create an animation for a maximum of 2 minutes (120 seconds), as per the provided details. Topic would be given on the spot. Students will not be allowed to use internet during the competition. This is not only for designing but accurate use of the action scripts will be required.

**Marking would be done on the basis of :**

1. Coverage of all the task points
2. Clarity of concept/idea
3. Visual Appeal of the Animation
4. Clarity of technical points and intricacies

**Time Allowed: 60 minutes**

**Eligibility: VI - VIII**

**Maximum number of teams per school: 1**

**Number of participants per team: 3**

**Programming tool: Scratch**

**OS: Ubuntu**

#### **5. Design and Create (</web>)**

Participants would be required to create web pages as per the provided details. Topic would be given on the spot. Students will not be allowed to use internet during the competition. This is only for designing of the Web page; action scripting will not be required. Pictures (if required) would be provided to the participants. Marking would be done on the basis of

1. Covering of all the task points
2. Designing and Presentation of the content
3. Clarity of concept/idea
4. Clarity of technical points and intricacies

**Time Allowed: 60 minutes**

**Eligibility: VII-X**

**Maximum number of teams per school: 1**

**Number of participants per team: 2**

**Languages: HTML, CSS**

**Software provided: Gedit, Notepad**

## 6. Programming (Sudo Solve)

```
#include<digi.h>
if (CanCode==true){
    if ("♥puzzles==true){
        execute ("Participate") }
    else { execute ("Still Participate")
    }
}
else{ printf("Learn coding and\n") execute("Participate") } }
```

**Eligibility: IX-XII**

**Maximum number of teams per school: 1**

**Number of participants per team: 2**

**Languages: C++ (GCC/G++ with code::blocks IDE), Java (core, with Net Beans), Python 2.7 (IDLE)**

## 7. Turncoat Debate (Ricochet)

"It is better to debate a question without settling it than to settle a question without debating it."

Each participating school can only be represented by one student, supporting as well as negating the motion.

Time allotted: 5 minutes (2 minutes- in favor of the motion, 2 minutes- against the motion, 1 minute- conclusion)

**Eligibility: IX-XII**

**Maximum number of teams per school: 1**

**Number of participants per team: 1**

## 8. Audio/Video Editing (Cinephonic) :

"No matter what you do, your job is to tell a story"

You're invited to participate in the "Cinephonic" event of Digilicious 6. This event will have two rounds. In the prelims participants must prepare a short film or vine or a short video compilation on the topic- **"Sometimes the Silence says it all "**.

The video shouldn't be longer than 2 minutes.

You're motivated to shoot the content yourself, for the same. Clippings from internet won't be accepted so avoid them. You've to upload your vine on the YouTube and mail the link to [digilicious@rdpschool.edu.in](mailto:digilicious@rdpschool.edu.in) by **29 July 2019**.



Ten (10) contenders would be shortlisted on the basis of the entries received. They'd be required to bring their own devices (BYOD-Headphone and Microphone) on the day of the event for the final round. The details of the Second round will be given on the day of the event only.

**Software provided: KDenLive, Audacity**

**Eligibility: IX-XII**

**Maximum number of teams per school: 1**

**Maximum Participants per team: 2**

**Evaluation criteria:**

1. Originality.
2. Technical effects.
3. Storyline.
4. Overall Presentation.

#### **9. Ad Campaign (Initium)**

The participants will be required to exhibit their entrepreneurial traits by designing and presenting a viable business plan.

The participants will be evaluated on the following criteria:

1. Inclusion of Business Variables
2. Feasibility of the plan
3. Overall Presentation

**Eligibility: XI-XII**

**No. of teams per school: 1**

**No. of participants per team: 3**

**Time Allowed: 10 Minutes**

#### **10. Senior Quiz (Giga minds):**

“Forget your opponents; always play against par.”

This is a technology quiz event, consisting of a preliminary round and a final round. The teams would have a common set of question in the first round, to be answered on paper. The top 6 teams (*even of same school!!*) would qualify for the on-stage finals to compete with each other.

**Eligibility: IX-XII**

**Maximum Number of Teams per school: 2**

**Number of Participants per Team: 2**

### **11. 3D Designing (Extrudus):**

"If a picture is worth a thousand words....

A prototype is worth a thousand pictures"

Participants are required to design a 3D Model on the topic given on the spot. The Model should be self-explanatory by its name. **It's a BOYD (Bring your own device) event** i.e. bring your own Laptop and software. *Software(s) available in host school is stated below, for your reference.* No models made before the event will be entertained and the participant will be directly disqualified in case they are found to be using a pre-made model. No internet access will be provided and participants will have to design the model from scratch in the stimulated time. **Any lapse in the system/software will not be the responsibility of the host school.**

**Time Allowed: 90 minutes**

**Eligibility: IX-XII**

**Maximum Number of Teams per school: 1**

**Number of Participants per Team: 1**

**Software available: Free CAD**

### **12. Gaming (Game-o-zone)**

Gamers don't die. They respawn.

Do you love racing awesome cars, getting those perfect headshots, planning and taking your opponent by surprise? But, all in the virtual world on your consoles! This is the event for that kick, for that adrenaline rush and most importantly, for enjoying those expressions on your opponent's face!

**Eligibility- Open**

**No. of teams per school- 2**

**Participants per team- 1**

### **13. Treasure Hunt (Online):**

"Every story told is better if there is a treasure in the end."

Puzzles will be mostly technical based and also testing your general knowledge. You will have to connect the clues with the appropriate logic to reach to the answer. Connect the pictures, look for clues and remember, Google Is Your Friend! The hunt is on!

Basic technical skills will be helpful. But at the end what will help you the most is your brain!

Participation is individual.

## General Rules

- The ranking will be based on who finishes all the questions first (and that too, correctly!).
- Hints will be provided from time to time on the Facebook page of the event. However, posting answers and inappropriate comments will be strongly discouraged.
- Top three winners will be rewarded.

The main event will happen from **July 29, 2019 12 noon to July 31, 2019 12 noon**. Password will be mailed to you before the start of the event at the registered mail ID.

**Eligibility: Open**

**Maximum Number of Teams per school: 2**

**Number of Participants per Team: 1**

### **14. Surprise Event (Blitzkrieg):**

“Expect nothing, live frugally on surprise.”

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**Eligibility: Open**

**Maximum number of teams per school: 1**

**Number of Participants per team: 3**

### **15. Robotics Event (Trackathon):**

“The best way to predict a future is to invent it.”

Objective: The robot should follow a track marked with a line with lots of hurdles. On the track, there'll be two lines: Start and Finish. Initially, the robot will start from the starting mark and will be considered to have crossed the finishing mark if any part of the robot crosses it.

Task: Design a robot, either wired or wireless, within the specified dimensions that can be operated manually or autonomous. It should be able to travel through all the turns of the track. The robot that covers the track within the specified or lesser time will be the winner. Additionally, there will be a Viva/Questionnaire from the evaluation team to analyze your working knowledge and the marks would be added to the final score.

**Rules:**

1. Dimension of the Robot should not exceed 9"x 9"x7".
2. Maximum time per team is 5 minutes.
3. Touching the boundaries, dragging the robot will be counted as penalty.
4. Negative marking for penalty.

**Evaluation criteria:**

1. Knowledge of the project.
2. Time Trail.
3. Distance covered by the robot.
4. Penalties.

**Eligibility: Open**

**Maximum Number of Teams per school: 1**

**Number of Participants per Team: 2**