



An annual international tech-fest 2022

# GEEK<A/>HERTZ

St. Mark's Sr. Sec. Public School  
Meera Bagh, Delhi, India

• **23rd November, 2022**

• Stay connected with us-  
<https://geekahertz.in/>  
<https://www.facebook.com/geekahertzsms>



St. Mark's Sr. Sec. Public School,  
Meera Bagh, New Delhi



Annual Inter School Tech-Fest 2022

Date : 23th November, 2022 (Wednesday)

### AWARDS

- An Overall Trophy will be awarded to the school that scores the highest points.
- The point system in each game would be as follows: -
  - 1<sup>st</sup> position: 10 points
  - 2<sup>nd</sup> position: 7 points
  - 3<sup>rd</sup> Position: 3 points
- Participation certificates will be given to all the participants.
- The Winning team of each event will be awarded merit certificates and trophies.



## General Rules

### Local Schools (Delhi and NCR)

1. All schools must arrive for the registration at the school premises by 8.00AM sharp.
2. Schools not adhering to the rules and regulations of the events will be disqualified.
3. School should confirm their participation by visiting on the registration link <http://geekahertz.in/> or <https://forms.gle/cYfpUrF4p98U6hfo7>
4. The last date for registration is November 19<sup>th</sup>, 2022.
5. Schools need to register separately for each event.
6. Submission Date for all the preliminary categories is 19<sup>th</sup> November 2022. List of Final round of participants will be uploaded on our Facebook page and our website on Tuesday 22<sup>nd</sup> November 2022.
7. The participating teams are advised to regularly visit our website <http://geekahertz.in/> and Facebook page for updates <https://www.facebook.com/geekahertzsms>.
8. The decision of the Judges will be final and binding.
9. All the participants can join the discord server for their respective event - <https://discord.io/geekahertz> for regular updates.

**GEEK BIT**



## Annexure - 1

### Registration and Submission Link

S No.	Event Name	Registration Link	Submission Link
1.	B-Plan (Idea Pitching)	<a href="#">Reg Link (B-Plan)</a>	<a href="#">Sub Link (B-Plan)</a>
2.	Binary Masters (Programming)	<a href="#">Reg Link (Binary Coders)</a>	
3.	Decrypter's Dilemma (Cryptic Hunt)	<a href="#">Reg Link (cryptomania)</a>	
4.	Design.apk (App Designing)	<a href="#">Reg Link (Design.apk)</a>	<a href="#">Sub Link (Design.apk)</a>
5.	Junior Techies (PowerPoint)	<a href="#">Reg Link (Junior Techies)</a>	<a href="#">Sub Link (Junior Techies)</a>
6.	Markians' Gaming League (Gameplay)	<a href="#">Reg Link (Gaming)</a>	
7.	Scratch	<a href="#">Reg Link (Scratch)</a>	<a href="#">Sub Link (Scratch)</a>
8.	Web Coders (Web Designing)	<a href="#">Reg Link (Web Coder)</a>	<a href="#">Sub Link (Web Coder)</a>
9.	Gamers' Paradise (Game Designing)	<a href="#">Reg Link (Gamers Paradise)</a>	<a href="#">Sub Link (Gamers' Paradise)</a>
10.	Lights Camera Action (Movie Making)	<a href="#">Reg Link (Movie Making)</a>	<a href="#">Sub Link (Lights Camera Action)</a>
11.	Minicomp Wizards (Arduino Application)	<a href="#">Reg Link (Minicomp Wizards)</a>	
12.	SnapShot (PhotoEditing)	<a href="#">RegLink(SnapShot)</a>	
13.	Imagica	<a href="#">RegLink(Imagica)</a>	

**Note:**

**1. It is compulsory to register your school in order to participate in any event.**

**2. Registration is compulsory for all the events with valid school code. Submission without registration will not be considered. Registration link” :**

**<https://forms.gle/cYfpUrF4p98U6hfo7>**

**Note: This brochure consists of 2 separate events list; one for local and NCR Schools (may participate in offline competition) and another for National and International Schools (can only participate in online events)**



# Delhi

---

# &

---

# NCR Schools

---

*GEEK BIT*



## Rules and Regulations for the events

### 1. Gamers' Paradise (GAME DESIGNING)

#### Delhi and NCR Schools

Teams per school: 1

Participants per team: 3-5

Classes: 8-12

- a) The event will be based on a topic which will be given on 05<sup>th</sup> November, 2022 on our Facebook page (<https://www.facebook.com/geekahertzsms> or <http://geekahertz.in/> ).
- b) A trailer of the game should be uploaded on YouTube and the link of the video along with the participants' details are to be sent to "[geekahertz.sms@gmail.com](mailto:geekahertz.sms@gmail.com)".
- c) Submission link is given in annexure 1.
- d) A total of 15 teams will be selected to take part in the finals.
- e) All finalists are required to bring their original source code, device, and software for the game. No team will be provided with any hardware and software at the venue.
- f) All the finalists will have to present their game to the judges on the spot and students have to showcase their gameplay.
- g) If any significant part of the design/model is found to be extracted from the internet, the team will be disqualified from the competition.



## 2. Markians' Gaming League

### Delhi and NCR Schools

Teams per school: 1

Classes: 6-12

Participant(s) per team: 2

- a) Prelims: Participants will be competing in a 2 vs 2 Rocket League match on 18th and 19th November 2022.
- b) Top 8 teams will be selected.
- c) Final Round: Rocket League 2 vs 2 Tournament on 20th November 2022.
- d) A Steam account & an Epic/PSN/Xbox account are required.
- e) All the participants are required to join the discord server- <https://discord.io/geekahertz> .



### 3. Web Coders (Web Designing)

#### Delhi and NCR Schools

Teams per school: Open

Participants per team: 2

Classes: 8-9

- a) The event will be based on a topic which will be given on **05<sup>th</sup> November 2022** on our Facebook page (<https://www.facebook.com/geekahertzsms> ) or on our website i.e., <http://geekahertz.in/>
- b) The students will be judged on the following criteria:
  - i. Originality & Unique ideas
  - ii. Creativity & Design Technical Skills
  - iii. Easy-to-use
- c) Submission link is given in annexure 1.
- d) A total of 12 teams will be selected for the final round.
- e) Time allotted for the Final Round will be 120 Minutes.



## 4. Lights Camera Action (Movie Making)

### Delhi and NCR Schools

Teams per school: Open

Participants per team: 2-3

Classes: 8-12

Mode - Online Submission

- a) The event will be based on the topic, “**Mental Wellness is Imperative while using Technology**”. The movie should be uploaded on YouTube as unlisted.
- b) Submission link is given in annexure 1.
- c) Students will be judged on :
  - Storyline
  - Creativity
  - Originality
  - The technicality of the movie.
- d) All movies are to be given a suitable title and duration should be 4-5 minutes.
- e) Final winners will be announced on 22<sup>nd</sup> November, 2022, all the local winners can come to collect their certificates and trophies.
- f) One girl participant is compulsory in a team.



## 5. Snapshot (Photo Editing)

### Delhi and NCR Schools

Teams per school: Open

Participant(s) per team: 2

Software: Any Photo Editing software

Classes: 9-12

- a) In the Prelims, participants are required to edit, combine and/or create images and build a final composition based on a topic which will be given on **05<sup>th</sup> November, 2022** on our Facebook page (<https://www.facebook.com/geekahertzsms> ) or on our website i.e. <http://geekahertz.in>
- b) Submission link is given in annexure 1.
- c) A total of 12 teams will be selected for the final round.
- d) Time allotted for the Final Round will be 120 Minutes.
- e) Participants will be provided with the theme and raw data on the spot and will have to create their own composition.



## 6. Binary Masters (Programming)

### Delhi and NCR Schools

Teams per school: Open

Participant(s) per team: 2

Classes: 9-12

Languages: C++, Java or Python 3.0 onwards

Platform: Online Software IDE

- a) A preliminary round will be held for all students on 20th November 2020 between 6:00 pm and 10:00 pm but the students will be allowed 2 hours and 30 minutes to complete the problems. For more information on preliminary round, stay connected with our Facebook page and our website. Contest link: <https://www.hackerrank.com/geekahertz-2022-prelims>
- b) The top 15 teams will be shortlisted for the Final Round. The final round will be hands-on-computers.
- c) The participants will be given 120 minutes to solve problems in the final round.
- d) The problems will encompass themes of logic, reasoning, and math.
- e) The Competition will be held on <https://www.hackerrank.com/>



f) Only 1 Team from 1 school will be selected for the final round

## 7. Design.apk (Android App Designing)

Teams per school: Open

Participant(s) per team: 2

Classes: 9-12

- a) Students will be required to make their own original app based on a topic which will be declared on **05<sup>th</sup> November, 2022** on our Facebook page (<https://www.facebook.com/geekahertzsms> ) or on our website i.e. <http://geekahertz.in>
- b) Submission link is given in annexure 1.
- c) The top 10 teams will be called to present their App.
- d) Students who will be selected for the finals are required to present a self-created app/software on his/her own Android device, along with a well-formatted hardcopy/softcopy of the source code.



## 10. Junior Techies (Presentation)

Teams per school: Open

Participant(s) per team: 2

Software: Any Presentation Software

Classes: 3-5

Mode: Offline / Online

- a) For the prelims, participants will have to prepare an original presentation based on the topic which will be declared on **05<sup>th</sup> November, 2022** on our Facebook page (<https://www.facebook.com/geekahertzsms>) or on our website i.e. <http://geekahertz.in>
- b) Submission link is given in annexure 1.
- c) Based on the results of the preliminary round, 18 teams will be selected for the final round.
- d) Participants will be required to create a presentation with the theme and raw data provided on the spot in 120 Minutes.
- e) No other media may be used; however, participants can write some of the text themselves.
- f) One girl participant is compulsory in a team.

## 11. Imagica (Innovation)

**Classes: Open**

**Teams per school: Open**

**Participant per team: 2**

**Mode: Offline**

- a) Students must think out of the box and use recyclable e-waste to make new products.
- b) A maximum of one model can be submitted by each school.
- c) The material used for the model should consist of computer junk.
- d) Each team will be provided with a table and power supply to display their model.
- e) Team members should be able to explain their model and answer the queries of the judges and students.

## 12. **Arduino application / Raspberry Pi**

**Classes: Open**

**Teams per school: Open**

**Participant per team: 2**

**Mode: Offline**

- a) Students must think out of the box and create something using Arduino Board. E.g. Electric panel, Traffic Light Bots etc.
- b) A maximum of one model can be submitted by each school.
- c) Each team will be provided with a table.
- d) Participants are required to come along with all necessary equipments.
- e) Team members should be able to explain their model and answer the queries of the judges and students.

### 13. B-Plan (Idea Pitching)

**Classes: Open**

**Teams per school: Open**

**Participant per team: 3**

**Mode: Offline / Online**

- a) Participants are required to present an original idea for a start-up for a unique product/service.
- b) Submission link is given in annexure 1.
- c) A total of 10 teams will be selected for the final round. Each team will be given 5 min to present their ideas in front of the judges.
- d) The participants are required to make a presentation which would comprise of the following:
  - Concept/Idea
  - Plan elaboration inclusive of feasibility of implementation
  - Logistics
- e) One girl participant is compulsory in a team.





## 14. Decrypter's Dilemma (Cryptic Hunt)

**Classes: 11-12**

**Teams per school: Open**

**Participant per team: 2**

**Mode: Online**

- a) The event consists of two rounds:
  - **Prelim round:** An online preliminary round, hosted on **Action Bound** app, in which 10 teams will be selected for the final round.
- b) **Final round:** The participants would be made familiar with the rules for this round at the venue only.
- c) Participants are requested to bring a smartphone with a good internet connection for final round.

Base of eight squares will help you in this one!!

a25vd2xlZGdlIG9mIGFueXRoaW5nIHRvIGV2ZXJ5dGhpbmcmd291bGQgaGVscA==

## 15. Scratch

Teams per school: 2

Participants per team: 2

Classes: 6-8

Mode: Online

- a) The participants will have to prepare a Quiz or Game that can be used as teaching aid.
- b) Submission link is given in annexure 1.
- c) Results will be declared based on this submission only.
- d) There will be no final round for this event.
- e) Students will be judged on
  1. Story line
  2. Creativity
  3. Originality
  4. Code Complexity



# National & International Schools



## General Rules

1. The schools apart from Delhi and NCR will be considered and are eligible for National and International School events.
2. All the events will be judged only on submission basis.
3. All winners will be awarded with merit certificate.
4. All participants will get an e-certificate.
5. Only 5 events are for Online submission category.
6. All the participants can join the discord server for their respective event - <https://discord.io/geekahertz> for regular updates.

### 1. Snapshot (Photo Editing)

**Category:** National and International Schools

**Teams per school:** Open

**Participant(s) per team:** 2

**Software:** Adobe Photoshop or any other free image editing software

**Classes:** 9-12

**Mode:** Online Submission

- a) In this competition participants are required to edit, combine and/or create images and build a final composition based on a topic which will be given on **05<sup>th</sup> November, 2022** on our Facebook page (<https://www.facebook.com/geekahertzsms>) or on our website i.e. <http://geekahertz.in>



b) Submission link is given in annexure 1.

## 2. Markians' Gaming League (National and International Schools)

Teams per school: 1

Classes: 6-12

Participant(s) per team: 2

- a) Prelims: Participants will be competing in a 2 vs 2 Rocket League match on 18th and 19th November 2022.
- b) Top 8 teams will be selected.
- c) Final Round: Rocket League 2 vs 2 Tournament on 20th November 2022.
- d) A Steam account & an Epic/PSN/Xbox account are required.
- e) All the participants are required to join the discord server - <https://discord.io/geekahertz> .



### 3. Junior Techies (Presentation)

Teams per school: Open

Participant(s) per team: 2

Software: Microsoft PowerPoint

Classes: 3-5

Mode: Online Submission

- a) In this competition participants will have to prepare an original presentation based on the topic which will be declared on **05<sup>th</sup> November, 2022** on our Facebook page (<https://www.facebook.com/geekahertzsms> ) or on our website i.e. <http://geekahertz.in>.
- b) Submission link is given in annexure 1.
- c) Based on the submission participants will be judged and awarded.



## 4. Lights Camera Action (Movie Making)

Teams per school: Open

Participants per team: 2-3

Classes: 8-12

Mode - Online Submission

- a) The event will be based on the topic, **“Mental Wellness is Imperative while using Technology”**. The movie should be uploaded on YouTube as unlisted.
- b) Submission link is given in annexure 1.
- c) Based on submission participant will judged and awarded.
- d) Students will be judged on :
  - Storyline
  - Creativity
  - Originality
  - The technicality of the movie.
- e) All movies are to be given a suitable title and duration should be 4-5 minutes.
- f) Final winners will be announced on 23<sup>rd</sup> November,2022.



## 5. Scratch

Teams per school: 2

Participants per team: 2

Classes: 6-8

Mode: Online

- a) The participants will have to prepare a Quiz or Game that can be used as teaching aid.
- b) Submission link is given in annexure 1.
- c) Results will be declared based on this submission only.
- d) There will be no final round for this event.
- e) Students will be judged on
  - i. Story line
  - ii. Creativity
  - iii. Originality
  - iv. Code Complexity

\* For more details login to :

<https://www.facebook.com/geekahertzsms>

or

<http://geekahertz.in/>