

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



Annual Inter School Tech-Fest 2018

Date : 30th November, 2018 (Friday)

AWARDS

- An Overall Rolling Trophy will be awarded to the school which scores the highest points.
- The point system in each game would be as follows:-
 - 1st position: 10 points
 - 2nd position: 7 points
 - 3rd Position: 4 points
- Participation certificates will be given to all the participants.
- The Winning team of each event will be awarded merit certificates.

General Rules

1. All schools must arrive for the registration by **8.00AM**.
2. School may be **disqualified** for not adhering to the event rules.
3. School should confirm their participation by visiting on the registration link <http://geekahertz.in/>
4. The **Last date for registration is November 24th, 2018**.
5. Submission Date for all the preliminary categories is **26th November, 2018**. List of Final round participants will be uploaded on our Facebook page and our website on **Wednesday 28th November, 2018**.
6. The participating teams are advised to keep visiting our website <http://geekahertz.in/> and Facebook page for updates <https://www.facebook.com/geekahertzsms>.
7. The decision of the judges will be final and binding.



Rules and Regulations for the events

1. Gamers' Paradise (GAME DESIGNING)

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 15th November, 2018 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".
- c) Subject line must be "gamedesign_schoolname" and file name must be "school name."
- d) A total of 5 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 on the spot to the judges and students will 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' League Gaming

Teams per school: 1

Classes: 6-12

Participant(s) per team: 1

- a) Participants will compete in a random game which will be revealed on the day of the competition itself.
- b) Participants are allowed to bring their own peripherals to the competition like the Game controller, Joystick Keyboard, or gaming mouse etc.

3. Web Coders (Web Designing)

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 15th November 2018 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. Students are required to submit the website to "geekahertz.sms@gmail.com"
- d. Subject line must be "webcoders_schoolname" and file name must be "school name."
- e. A total of 10 teams will be selected for the final round.
- f. Time allotted for the Final Round will be 120 Minutes.

4. Lights Camera Action (Movie Making)

Teams per school: ~~Open~~

Participants per team: 2-3

Classes: 8-10

- a) The event will be based on the topic, "Take responsibility for your freedom or watch it being taken away". The movie should be uploaded on YouTube and the link of the video along with the participants' details is to be sent to "geekahertz.sms@gmail.com".
- b) Subject line must be "lightscameraaction_schoolname" and file name must be "school name."
- 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) A total of 8 teams will be selected for the finals.

5. Snapshot (Photo Editing)

Teams per school: Open

Participant(s) per team: 2

Software: Adobe Photoshop or any other free image 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 15th November, 2018 on our Facebook page (<https://www.facebook.com/geekahertzsms>) or on our website i.e. <http://geekahertz.in>
- b) Students must submit their creations (.psd and .jpg or .png) to “geekahertz.sms@gmail.com” along with participant’s details.
- c) Subject line must be “snapshot_schoolname” and file name must be “school name.”
- d) A total of ~~12 teams~~ will be selected for the final round.
- e) Time allotted for the Final Round will be 120 Minutes.
- f) 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)

Teams per school: Open

Participant(s) per team: 2

Classes: 9-12

Languages: C++, Java or Python 2.7 onwards

Platform: Online Software IDE

- A. A preliminary round will be held for all students on <https://www.geeksforgeeks.org/> on 25th November, 2018 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. You can practice on [GeeksforGeeks.org](https://www.geeksforgeeks.org/)
Preliminary Round Link:
<https://practice.geeksforgeeks.org/contest/binary-masters-preliminary>
- B. The top 15 teams will be shortlisted for the Final Round. The final rounds will be hands-on-computers.
- C. The participants will be given 120 minutes to solve problems in final round.
- D. The problems will encompass themes of logic, reasoning and math.

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 **15th November, 2018** on our Facebook page (<https://www.facebook.com/geekahertzsms>) or on our website i.e. <http://geekahertz.in>
- b) Participants are requested to email their app source code to "geekahertz.sms@gmail.com" along with a YouTube link of the Software/App presentation trailer [Maximum 3 Minutes] and the participants' details.
- c) The top 5 teams will be called upon for presenting 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.

8. Junior Techies (PowerPoint Presentation)

Teams per school: Open

Participant(s) per team: 2

Software: Microsoft PowerPoint

Classes: 3-5

- a) For the prelims, participants will have to prepare an original presentation based on the topic which will be declared on **15th November, 2018** on our Facebook page (<https://www.facebook.com/geekahertzsms>) or on our website i.e. <http://geekahertz.in>
- b) Students must submit their creations to "geekahertz.sms@gmail.com" along with participants' details.
- c) Subject line must be "jrtechies_schoolname" and file name must be "school name."
- d) Based on the results of the preliminary round, 12 teams will be selected for the final round.
- e) Participants will be required to create a presentation with the theme and raw data provided on the spot in 120 Minutes.
- f) No other media may be used; however, participants can write some of the text themselves.

9. Creative Catchers (Brochure Designing)

Teams per school: Open

Participant(s) per team: 2

Software: Microsoft Publisher or Microsoft Word

Classes: 6-7

- a) Only first 15 registered teams will be eligible for the event.
- b) Time allotted for the competition is 120 Minutes.
- c) Participants will be provided with the theme and raw data on the spot and will have to create their own composition.
- d) Students will be judged on creativity and originality of the brochure.

10. Imagica (Innovation)

Classes: Open

Teams per school: Open

Participant per team: 2

- 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.

11. Minicomp Wizards(Arduino application / Raspberry Pi)

Classes: Open

Teams per school: Open

Participant per team: 2

- 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 equipment.
- e) Team members should be able to explain their model and answer the queries of the judges and students.

12. B-Plan (Idea Pitching)

Classes: Open

Teams per school: Open

Participant per team: 2

- A. Participants are required to present an original idea for a start-up for a unique product/service.

B. All the ideas have to be submitted latest by 26th November to "geekahertz.sms@gmail.com"

C. Subject line must be "Bplan_schoolname" and the file name must be "School Name"

D. A total of 7 teams will be selected for the final round. Each team will be given 5 min to present their ideas in front of the judges.

The participants are required to make a presentation which would comprise of the following:

1. Concept/Idea
2. Plan elaboration inclusive of feasibility of implementation
3. Logistics

13. Decrypter's Dilemma (Treasure Hunt)

Classes: 11-12

Teams per school: Open

Participant per team: 2

1) The event consists of two rounds:

a) Prelim round: An onsite preliminary round, on the basis of which 7 teams will be selected for the final round. Details to be announced on the spot.

b) Final round: The participants would be made familiar of the rules for this round on the venue only

2) Participants are requested to bring a smartphone with a good internet connection.

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

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* For more details login to :

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

or

<http://geekahertz.in/>