

Sector - 46, Gurgaon





Event 1: Jr. Robotrix (Jr. Robotics)

SMART WASTE MANAGEMENT

(Collection, Transportation, Disposal)

The objective of the Smart Cities Mission is to promote cities that provide core infrastructure and give a decent quality of life to its citizens, with a clean and sustainable environment and application of 'Smart' Solutions.

Smart Cities Mission is to drive economic growth and improve the quality of life of people by enabling local area development and harnessing technology, especially technology that leads to Smart outcomes. Area-based development will transform existing areas (retrofit and redevelop) including slums, into better planned ones, thereby improving livability in the whole City. Waste Management is an important factor in Smart cities. It includes collection, transportation & disposal

This year, the junior category challenge is to design a Robot which will collect the waste based upon their type (Wet or solid) from homes and transport it to its designated area.

Classes		IV-VII
Participants per Team	1	2-3
Maximum Teams per schoo		1
Theme		Smart Cities

Rules and Regulations:

Teams can use any ready-to-assemble kit/ LEGO® MINDSTORM® kit /embedded systems kit available in the market.

For rules and regulations kindly visit: https://bit.ly/2H1bZKE



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Event 2: Sr. Robotrix (Sr. Robotics)

SMART CITIES: SMART HOSPITALS

The objective of the Smart Cities Mission is to promote cities that provide core infrastructure and give a decent quality of life to its citizens, a clean and sustainable environment and application of 'Smart' Solutions.

Smart Cities Mission is to drive economic growth and improve the quality of life of people by enabling local area development and harnessing technology, especially technology that leads to Smart outcomes. Area-based development will transform existing areas (retrofit and redevelop), including slums, into better planned ones, thereby improving livability in the whole City.

Smart health care/hospital is an important factor of smart cities which includes the recognition of the disease and guide the patient to their concerned department for further treatment.

This year, the Senior category challenge is to build a Robot which can detect the disease, the patient is suffering from and take the patient to their designated department for further treatment.

Classes	VIII—XI
Participants per Team	2-3
Maximum Teams per school	1
Theme	Smart Cities

Rules and Regulations:

Teams can use any ready-to-assemble kit/LEGO® MINDSTORM® kit /embedded systems kit available in the market.

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Event 3: LOGOMANIA

Classes	III-IV	
Participants per team	2	
Theme	Smart Cities	
Software Required	MSW LOGO	

Rules:

- Participants will be required to create a scene in MSW Logo using logo commands /procedures.
- Topic related to the theme will be given on the spot.
- Access to any kind of external medium (Pen drive(s), CD or Pre-coded program in any form etc.) will not be allowed.

- The winners will be declared based on completion of the program, concise and well-structured code, correct execution and output of the program.
- Duration of the competition will be 1 hour 45 minutes.



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Event 4: Creation D'Affiches

Classes	V-VI
Participants per team	1 team of 2 students
Topic for Prelims	Internet of Things
Software Required	Adobe Photoshop CC

Submission Process:

- All project files are to be sent in their original form and mailed to
 <u>cyberamity46@gmail.com</u> with the respective school's name and the participants'
 details for the event by 11:59 pm, 10th July 2019.
- Based on the results of the Preliminary round, 8 teams will qualify for the final onsite
 round and will be informed via mail, by 15th July 2019. The results will also be posted
 on our Facebook page.

Final Round:

- Students will be given the topic on the spot.
- Duration for the competition will be 1 hour.
- Images will be provided.

- Impact
- Creativity & Originality
- Technical Skills



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Event 5: Vivacity

Classes	VII-VIII
Participants per team	1 team of 2 students
Topic for Prelims	Smart Cities
Software Required	Macromedia Flash 8

Submission Process:

- All project files to be sent in their original form .fla file (need not be converted)
 and mailed to <u>cyberamity46@gmail.com</u> with school's name and the names of
 participants for the event by 11:59 pm, 10th July 2019.
- Only 8 teams will qualify for the final onsite round and the selected teams will be informed via mail, by 15th July 2019. The results will also be posted on our Facebook page.
- Duration of the movie should be one minute.

Final Round:

- Participants will be required to make an animation of one-minute time duration using Macromedia Flash 8.
- Images will be provided by the host school.
- Topic will be given on the spot.
- Duration of the competition will be 1 hour 45 minutes.
- Participants will not be allowed to use any external medium in the form of CD or Pen Drive (No Internet facility will be provided).

- Creativity and Originality
- Technical Skills
- Impact and Presentation



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Event 6: Weev (Web Development)

Classes	IX-XII
Participants per team	2
Topic	TBA on our Facebook page
Language	HTML, CSS, JavaScript, jQuery

Prelims Rules:

- The requirement of the competition is to produce a minimum of 5 pages of website based on the topic which will be uploaded on our Facebook page.
- Templates and copied code are not allowed.
- Use of Font Awesome icons and online jQuery library is allowed.
 <script>

```
var graphic= document.getElementByClassName("graphics");
if (graphic= "original") {
    return marks +=5;
}
</script>
```

Submission Process:

- All files are to be compressed in a .rar file and mailed to <u>cyberamity46@gmail.com</u> with school name and the details in a README file for the event by 11:59pm 10th July 2019.
- Selected teams will qualify and will be informed via mail and the results will be uploaded on our Facebook page, by 15th July 2019.

Final Round:

- The topic and rules for the final round will be disclosed on-the-spot.
- Duration: 3 hours

- Navigation & Functionality
- Originality/Innovation
- Aesthetic
- Features



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Event 7: prod.io (A/V Editing)

Classes	IX-XII
Participants per team	2
Topic	TBA on our Facebook page
Software Required	Any video editing software

Rules:

- Plagiarism of any kind will lead to disqualification.
- The video should have a <u>story</u>.
- Duration: 3-5 mins

Submission Process:

- An .mp4 file is to be uploaded on Google Drive or YouTube and the link is to be sent to
 <u>cyberamity46@gmail.com</u> with school name and video details (if any) in a readme.txt file for
 the event by 11:59pm 10th July 2019.
- Selected teams will qualify and will be informed via mail and the results will be uploaded on our Facebook page, by 15th July 2019.

Final Round:

• Selected teams will be required to present their video in front of the judges.

- Editing
- Creativity
- Videography
- Story



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Event 8: Expresso (Group Discussion)

Classes	IX-XII
Participants per team	1
Theme	On the Spot

Rules & Regulations:

- Speak and survive on your wits through a prelim and a final round. The challenge won't be easy.
- This is not going to be your regular debate. Come prepared for anything.
- The rules of the event as well as the topics will be given on the spot.



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Event 9: Encryptid (Cryptic Hunt) (online)

Eligibility	Open	

Your usual cryptic hunt with a twist.

This link will help you: https://youtu.be/Y9j3heYZAk8?t=4 (or not)



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Event 10: ____ (Surprise)

Classes	IX-XII
Participants per team	2 student

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Event 11: (Ideatech)

<u>Topic</u>: Bringing a positive change in the Sustainability Spectrum.

Sub topics:

- Climate Change, responsible consumption and production with special emphasis on sustainable cities and communities.
- Breaking the barriers: Gender equality and Discrimination
- Fundamentals: Quality Education / Healthcare / Food Security / Agriculture

Methodology:

- Design experiments in various parameters and carry them out to prove the hypothesis.
- Students must develop a product and promote it in any form be it a game/ a mobile application (iOS / Android) / Website / PowerPoint / Movie / 3D model or a combination of any- and pitch it.

Prelims:

- Selected entries will compete in the final round. They'll be informed through mail or Tech Syndicate Facebook page.
- Email us your YouTube video link / PowerPoint Presentation / APK or IPA / images
 (containing the introduction to your idea) as well as your source code (through GitHub
 or google drive) latest by 5th July 2019 at cyberamity46@gmail.com

Eligibility: Open

Team per school - 1

Members per team – 3

Time limit to pitch the idea (excluding the Q/A time) - 7 mins



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An IT Integrated Event.

For further queries reach us at: cyberamity46@gmail.com

For details and registration: https://techsyndicate.github.io

Facebook page: https://facebook.com/syndicateofamity46

Follow our Facebook page to stay updated.

For further details or queries please contact:

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