
Please visit the website for updated information on the Competition

Introduction

In today's scenario, we all are facing many challenges globally especially due to the major pandemic COVID-19. As covid-19 is grabbing the world by the horns and therefore to fight this together, we believe that young innovators can be major contributors to the world. Our Theme 'Hygiene Mania' is inspired from this current Pandemic and you may come up with your sustainable solution or idea as a part of the competition and can win exciting prizes.

What is "Hygiene mania competition" all about?

"Hygiene-mania" is an international level online programming contest for kids to design or create their own GAME, APP or Animated story in Scratch, MIT App or Python programming to create awareness and prevention from COVID-19. We want to showcase young talent and their thoughts across varied programming platforms and bring innovative ideas to stop, control or create awareness for the spread of Covid-19.

Why Hygiene Mania?

Good personal hygiene is important for both health and social reasons not just today but this should be an important part of our livelihood for the future.

Keeping one's hand, body and environment clean can stop the spread of germs and illness quite effectively. Your personal hygiene impacts, your own health and the lives surrounding you.

As **CODING** is the backbone of almost all **21st generation skills**, we would like you to bring out your best to **communicate creatively and logically your message.**

All about Challenge:

The young minds must think of simple and easily implementable ideas to create their GAME, APP or ANIMATED STORY. As long as it complies with the theme Hygiene Mania and is original, unique, and spreads awareness, the project will be considered for further evaluation.

ALL SUBMISSIONS TO BE MAXIMUM OF 3 MINS

Scratch

Game
Animated story
Quiz

MIT app Inventor

App
Game
Quiz

Python

Animation
Game

Note: Students can submit one solution per category.

Team size

Students are open to participate individually or in a team. Team size could be minimum 2 and maximum 3 students per team.

Participants age Eligibility: 6 years- 14 years - **ALL SUBMISSIONS TO BE MAXIMUM OF 3 MINS**

In **Hygiene-mania** students are not restricted to any one platform and hence challenges will provide fun and challenging experiences to them

It is also why we have divided our categories into two different age groups. In all the categories , **the challenge is the same** for all participants, but they will be judged within their age group .

Age Groups	Age	Max age in competition year	2020 Season - born in years
Elementary(6yrs to 10yrs)	max. 10 years old	10	2010 or later
Junior(11yrs to 14yrs)	max. 14 years old	14	2006 or later

Registration fee:

- For Entry as Individual = 400 INR
- For Entry as a Team (2 or 3 Participants) = 600 INR

Important dates:

Registration starts - 21 July-2020

Registration closes - 02 August-2020 (till 7pm IST)

Submission starts - 03 August-2020

Submission closes - 16 August-2020

FREE SESSIONS FOR MIT APP INVENTOR, PYTHON, SCRATCH

(check the website for detailed schedule)

MIT Webinars - 8 Free Sessions

Scratch Webinars - 8 Free Sessions

Python Webinars - 6 Free Sessions

FIRC doubt solving webinars

- Webinar 1 - 08-August-2020

- Webinar 2 - 12-August-2020

Results and Award ceremony

“31-August-2020”

Judging

Students are free to use any of the three software's (Scratch, MIT & Python) to create their project. They will be judged in their age group and software category they have submitted their project. **(e.g- Team-A: all team members are 8 years old and they have created projects in scratch coding. So they will be judged in the elementary age group in the scratch category.)**

Rewards and recognition:

Students can win 48 exciting prizes

- 1) Champion award (Individual) in each category and each age group (6).
- 2) Champion award (Team) in each category and each age group (6).
- 3) Runners-up award (Individual) in each category and each group (6).
- 4) Runners-up award (Team) in each category and each group (6).
- 5) Best Game award (Individual) in each category and each age group (6).
- 6) Best Game award (Team) in each category and each age group (6).
- 7) Best software solution (Python) (2).
- 8) Best quiz award (scratch) (1).
- 9) Best app award (MIT app inventor) (2).
- 10) Best story and animation award (2)
- 11) Best idea for implementation award.
- 12) Best project presentation award.
- 13) Special GIRL TEAM award (3).

Registration process

Student to visit the website --- click on the registration link provided on the website which will open the registration form

After filling details he/she will get unique Login-id for submission.

Student can change/reset password.

Only one entry is acceptable with one mobile number/ email id/ Login id.

Note:- Once documents are uploaded you will not be able to retrieve and upload again.

Submission

Student to visit the website --- click on the submission link --- this will open the submission form --- Use you unique login id and password (which you received during registration) and upload your project for submission

Note :- Once documents are Uploaded and Submitted you cannot retrieve and upload again.

Submission Checklist

For age group (6 to 10)

Project file with Project Title as File name **Compulsory (App/ Game/Animated Story) – Max 3 mins**

Project Code explaining file with Project Title as File name **Compulsory - max 1 page**

Screenshots/video of their projects (Game, App, Quiz) **Compulsory - max 1 page**

Video presentation **(optional) – Max 3 mins**

Project report **(Optional) - max 1 page**

For age group (11 to 14)

Project file with Project Title as File name **Compulsory (App/ Game/Animated Story) Max 3 mins**

Project Code explaining file with Project Title as File name **Compulsory – max 1 page**

Teamwork photo with Project Title as File name **Compulsory - max 1 page**

Video presentation with Project Title as File name (Game, App, Quiz) **Compulsory - Max 3 mins**

Project report with Project Title as File name **Compulsory - max 1 page**

GENERAL FAQs

Q) Can I participate in two or more categories?

Ans. Yes , but project ideas should be different in all the categories.

Q) My age is 9 years. Can I participate in the age group 11 to 14 years.?

Ans. Yes, but one participant from your team should be older than 10 years.
If you are registering individually then you cannot participate in the older age group.

Q) Is there any advantage to scoring if we create a project using python instead of other coding languages?

Ans. No, there is no such bonus point for using python over other coding languages. Each category is judged independently

Q) Is there a different fee for individual and group entry?

Ans. Yes , If you participate individually then the fee is 400 rupees /- and for the group (2 or 3 students) 600 rupees for team registration

Q) Do I need to pay a fee for participating in different categories ?

Ans. Yes, you can participate in all categories, but you must enrol separately for each category. Every project submission in the category will have a fee. For individuals, the fee is Rs. 400 rupees /- and for the group (2 or 3 students) 600 rupees for each project upload by a team.

Q) Is there any advantage to scoring if I participate individually instead of team?

Ans. No, whether you participate individually or in a team. Participants will be judged within their age groups and coding software categories for the project they upload.

Q) Is it compulsory to submit video for project explanation?

Ans. Yes, for age group 11-14 it is compulsory to submit the video.
for age 6-10 the upload of video file only is optional, however they have to upload project program file and project explanation file. There are special awards for Best Video.

Q) Is it compulsory to attend webinars?

Ans. Participants can learn many new things in an exciting way. Webinars are planned for revising concepts, introducing new tips & tricks which will only benefit students and they are completely FREE

Q). Is a teamwork photo needed if I am participating as an individual?

Ans. Photo graph is necessary, if you are in a team then Team picture and if you are participating as an individual then individual picture.

Q). Can I submit multiple projects?

Ans. Yes multiple entries are acceptable but not in the same category. Eg: Two projects in scratch category are not allowed, but same team or individual can submit one project in scratch and one in MIT but you must enrol separately for each category.
Every project submission in the category will have a fee. For individuals, the fee is Rs. 400 rupees /- and for the group (2 or 3 students) 600 rupees for each project upload by a team.

FAQ For Scratch Programming

Which scratch programming software needs to be used to participate in this competition?

Ans. You can use either scratch 2.0 or 3.0 to participate in this competition. If your laptop does not support the installation of this software, you can also use the online scratch programming platform to participate in this event.

What are the judging parameters for my project submissions?

Ans. Please refer to the rubric sheet for the same.

If I am participating as a team - can all of us in a team submit different programs for the same project?

Ans. No. Each team can submit only one program for competition. If you submit multiple programs, your entry will be considered invalid.

Can I use background music in my scratch file if I am working on an animation?

Ans. Yes. You can use the music of your choice to make your animation look more interesting.

What is not allowed to be used while writing a code in scratch for this competition?

Ans. You can use all the blocks & extensions as offered by Scratch programming software. Any 3rd party software & their extensions are not allowed to be used to participate in this competition.

If I am making a story animation, is there a restriction on time?

Ans. Yes. Your story should be minimum 3 minutes & maximum 4 minutes long. Adhering to the time limit is a must to stand eligible for judging.

Do we have any restrictions for quizzes?

Ans. Yes! You should have at least 10 questions in your quiz programming. Try to use multiple backgrounds & sprites while creating your quiz. Also try to be as creative & innovative as you can.

How many minimum level should be there in the game?

ans. In game there should be minimum 3 levels but difficulty level should increasing in each level.

How many characters can be introduced in a game?

Ans. There is no limitation on characters/sprites, you can introduce as many characters you want to introduce.

Can I upload background other than software backgrounds?

Yes you can you use whatever you want to use.

FAQ for MIT App Inventor

What parameters should be taken care off before project submission?

Ans. Make sure that the app you have built is competent to be used on most of the android phones & that the layout & functioning of your app does not change from phone to phone.

Can I use the machine learning extensions offered by App Inventor in my application?

Ans. Yes, you can!

Can I use an existing app/game /quiz?

No,

Can I use extension in myapp?

Yes, you can use any extension from MIT.

Can I use another platform on app inventor?

NO, Judges will be using code.appinventor.mit.edu to test apps. Because the different platforms have different components.

Is there any limitation on using components for making projects?

No, you can use as many components you want to use.

Is there any limitation on use of no. of screens?

No.

How many minimum questions required for Quiz app?

There should be minimum 10 questions.

How many level should be there in the game app?

In game , there should be minimum two levels and version of app should also be mentioned.

Is app version compulsory?

Yes , it is mandatory for all three categories to mention app version in their app.

FAQ For Python

Q. What kind of solution is needed to be designed in python?

Ans. You can design any kind of solution related to the theme of the competition. It can be a normal text based game or solution, UI based solution, Image Processing or high end machine Learning solution, you can explore your imagination with Python

Q. Will you judge on the complexity of the code?

Ans. There are various parameters to judge the solution like - idea, creative execution, effectiveness of the solution, applicability of the solution, 1 page documentation, program efficiency and quality and team video

Complexity is not a parameter as such but the way technology is used to execute will be considered.

Q. Which will be more preferable - game solution or other app or program solution ?

Ans. It depends on the effectiveness and applicability of the solution. It does not matter whether it is a game, app or an animated story and it does not matter which platform, you can choose anything.

Q. Can we make a solution using multiple programming languages? For example, some of python and some of JAVA Coding.

Ans. No, You should only use python coding as your main programming language to design the solution.

Q. Is there any restriction on using specific software for python programming?

Ans. No, there is no restriction on using a specific software, you can use any programming software but the code should be written only in python coding.

Q. What do we have to submit?

Ans. You have to submit proper documentation of the solution along with the solution code. It Should be explaining the code and its working properly.

You also have to submit a video, in which you have to explain the solution and its results.

Q. What if my submitted solution does not work on your system?

Ans. We will be using high end latest devices to test your solution and you should explain your approach and all the external libraries that you have used in your project in the code explain file. So that we can do the needful changes to test your code.

Q. Is there any limitation on the technology used in the code?

Ans. There is no limit on the technology usage. You can make a very simple solution with very simple code and yet be effective or you can use latest technologies like Image Processing, Machine Learning etc

Q. Can my solution have multiple Codes?

Ans. If there are multiple codes used in the solution then you have to specify that in the documentation and you also need to explain how to execute it.

But if you can execute the solution with one code then there is no need to make it complex. It will not add any extra points.

Q. Do we have to design a totally unique solution or can it be modified from an existing solution?

Ans. Unique solution is preferable but if you design a solution which adds significant improvement and value to the existing solution in your own unique way then that type of solution will also be considered.