



MY-ROBOT SCRATCH CUP 2020 (MALAYSIA)

Guideline

CATEGORIES

Junior Category (1-2 students, 7 – 10 years old)

Registration Fee RM 40/Team

Senior Category (1-2 students, 11 – 15 years old)

Registration Fee RM40/Team

Important Date

- Registration Start Date- 15th November 2020
- Registration End Date - 30th November 2020
- Competition Date (Junior Category) - 18th December 2020
- Competition Date (Senior Category) - 19th December 2020
- Project Submission Deadline - 19th December 2020

SCRATCH GAME CODING



Objective:

Using My-Robot Robotics Set and Scratch to make a project that fulfill one of the design tracks

Design Tracks:

1. Design Track 1 - Temperature Recording with Attendance Monitoring System
2. Design Track 2 - Social Distancing Detector and Reminder
3. Design Track 3 - Educational and Interactive Animation about precautions that we should take in Covid-19 pandemic

Rules And Regulations

- Each team can have maximum 2 students per team. Each team can only participate in **one** design track.
- The use of MRT Scratch or Scratch software is **compulsory**. Participants can only use any sensors the mainboard of My Robot products. The uses of sensors and mainboard are **not compulsory**.
- Judging Criterias:
 - Presentation Skills - 40 marks
 - Innovation - 20 marks
 - Complexity - 20 marks
 - Working Design - 20 marks

Rules And Regulations



- All entries remain the property of MRT.
- Game must **not** promote violent or beyond moral acceptance.
- Game submitted must be **original**. Participants are solely responsible for any copyright issue.
- Entries are subject to verification and will be declared invalid if they are illegible, incomplete, forged, falsified, or infringe a copyright in any way.

Competition Method



- The presentation will be conducted online through Google Meet.
- Invitation link and presentation time will be sent to each team before competition.
- Each team has only one presentation time slot and it is participants' responsibility to have a good internet connection during presentation time.
- No second presentation chances will be given.
- Each team (both senior and junior category) need to submit a video explaining their project and also their code before 19th December 2020

Competition Method



- Each team has 4 minutes to present and one minute for Q&A section.
- Participants need to follow the time constraints strictly and the presentation will be stopped after 4 minutes.
- The presentation should include but not limited to:
 - Project introduction such as project background, problem statements, scope of project and objectives of the projects
 - A complete demonstration of the product
 - Design Methodology / Challenges faces / Advantages of the product

Prizes

- ❖ There are seven prizes for each category (Junior and Senior):
 - Design Track 1 Winner - RM100, medals and certificate
 - Design Track 2 Winner - RM100, medals and certificate
 - Design Track 3 Winner - RM100, medals and certificate
 - Most Creative Award - RM100, medals and certificate
 - Most Like Award - RM100, medals and certificate
 - Most Share Award - RM100, medals and certificate
 - Best Presentation Award - RM100, medals and certificate
- ❖ Participation certificates will be given.

Registration Fee Payment



- Registration Fee is RM40 per team. (Not refundable)
- The registration fee is to be transferred to the following account:
 - Bank: Maybank
 - Account No.: 5513 0651 1076
 - Account Name: MY-ROBOT SDN BHD
 - Company No.: 966136-P
- Important: Bank-in receipt must be saved and email to operations@myrobot.com.my
- Registration will be processed and confirmation will be sent within 5 working days.

SCRATCH GAME

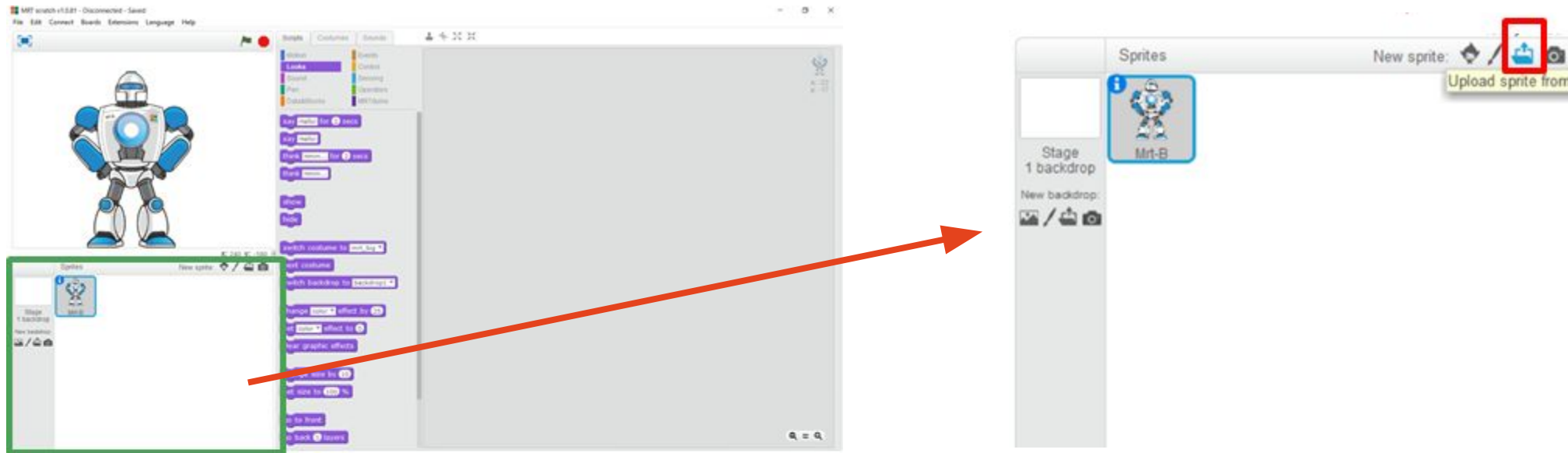


- Students are able to use Scratch 3.0 or MRT Scratch
 - [Scratch 3.0 download link](#)
 - [MRT Scratch download link](#)
- Game must include at least 2 characters from the MRT Family (Hado, Navi, Jinny, Harry, Grace, Philip, Jay)
 - [MRT Family Sprite download link](#)
- Utilization of hardware to control the game is optional.

ADDING SPRITE TO MRT SCRATCH

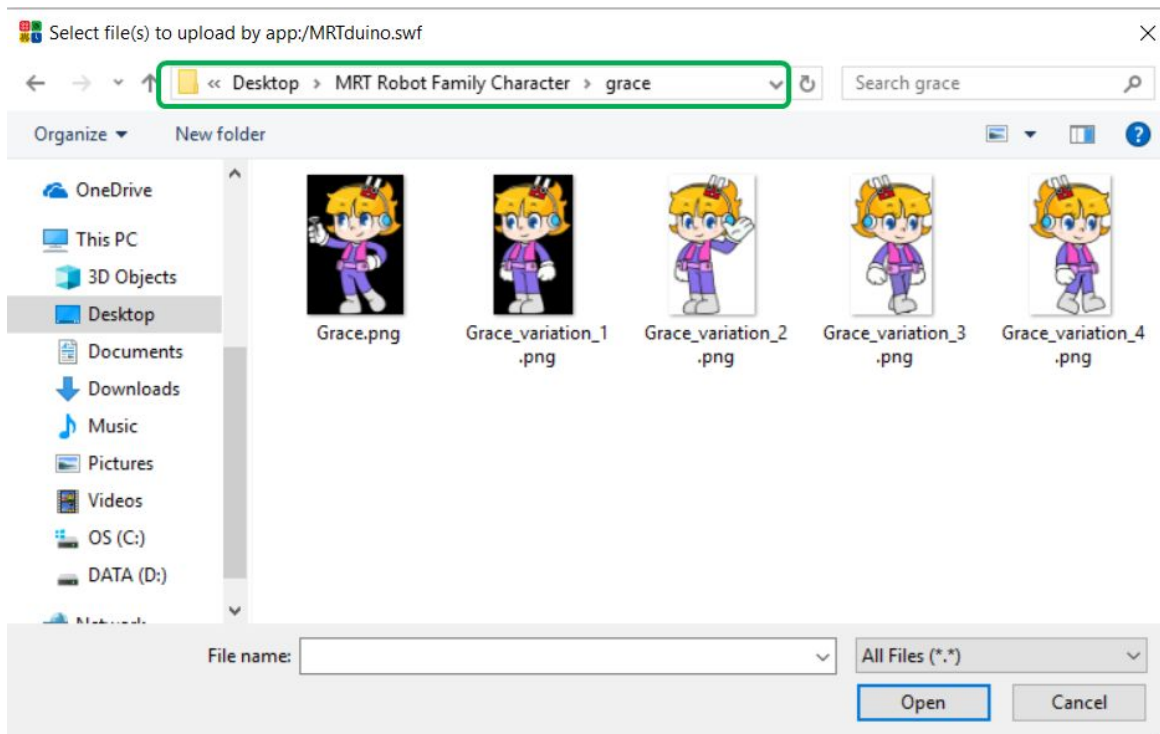
Download the package [here](#).

- Start [MRTScratch](#) that you have installed.
- Click "Upload sprites from file" as shown in the image below:



ADDING SPRITE TO MRT SCRATCH

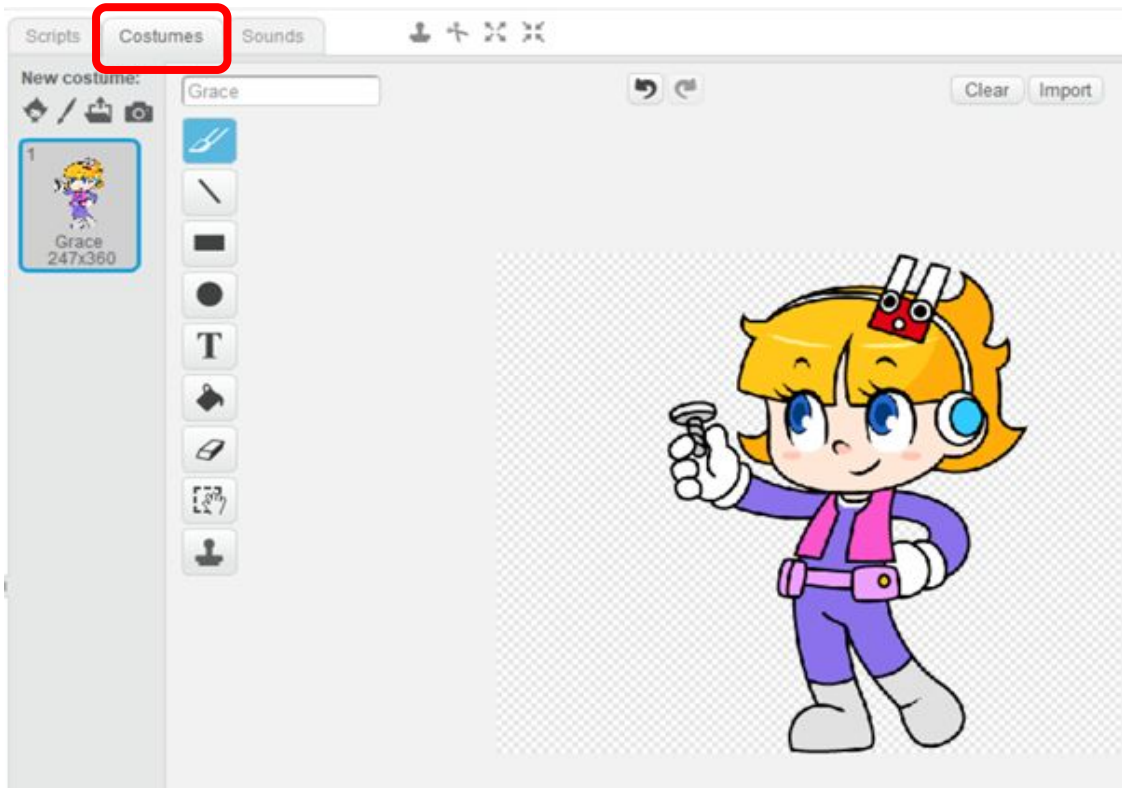
- Browse to the folder that you previously extracted and select the sprite you wish to use as shown in the image below:



ADDING SPRITE TO MRT SCRATCH



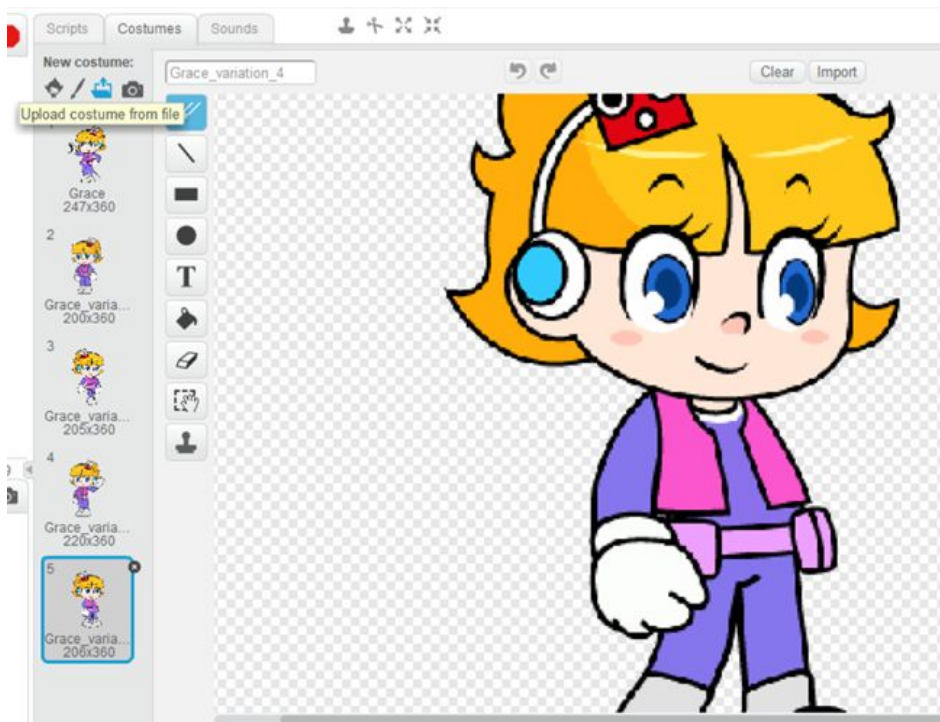
- Click the "Costume" tab as shown in the image below:



ADDING SPRITE TO MRT SCRATCH



- Click "Upload costume from file" and select the rest of the image as shown in the image below:





Thank you for participating.

