



DPS MONARCH INTERNATIONAL SCHOOL

PRESENTS

MONARCH TECH FEST 4


A GRAND TECHNOLOGICAL EXTRAVAGANZA



MONDAY, 12TH JUNE
2023



SCHOOL
MULTIPURPOSE HALL

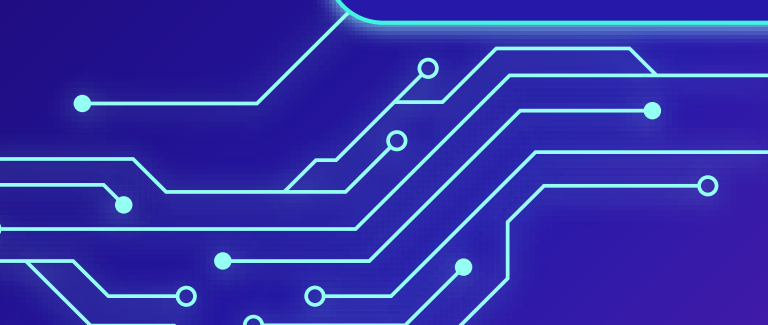


DPS Monarch International School invites you to participate in the Monarch Tech Fest 4 – **Intellitronix** ; a series of Information Technology and Robotics-based competitions for the students of Grade V – XII commencing from Thursday, 25th May 2023. The Award Ceremony and Grand Finale will be held on Monday, June 12th, 2023.

About Intellitronix 2023:



Intellitronix 2023 is crafted with an aim of building platform to create a cyber syndicate and to unlock the true potential of our young learners in the field of technology. With the growing use of web-based tools and technology, it is important to encourage skill-building in this essential domain. We are excited to welcome you all to the grand technological extravaganza.



Event Categories

Comik -
Con

Code
Illusionist

E -
Captiosus

E-tronix
Master

Creare
Domum

Cabaletta

Robo
Race

Innovation
Hunt

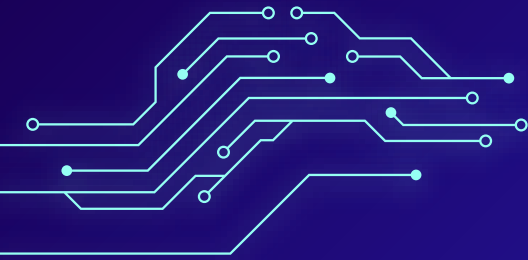
Line
Following
Robot

Soccer
Robot

Artificial
Intelligence
Challenge

General Instructions

- ❑ Intellotronix 2023 will be a blend of online and in-person competitions.
- ❑ ONE entry per event from each school will be accepted.
- ❑ Entries received through the registration link mentioned on the website only will be accepted.
- ❑ Dress Code for all attendees on Grand Finale: **School Uniform**
- ❑ All participating teams will be allocated a unique code after registration which must be used throughout the event.
- ❑ Registrations Link will be open from **Thursday, 25th May 2023**
- ❑ All online submissions must be completed on or before: Friday, 2nd June 2023 using the links given in the school website.
- ❑ Any queries to be mailed at: **events@misdoha.com**
- ❑ Details of student categories are as below:
 - ❑ Intello Juniors – Grade 5 to 8
 - ❑ Intello Seniors – Grade 9 to 12

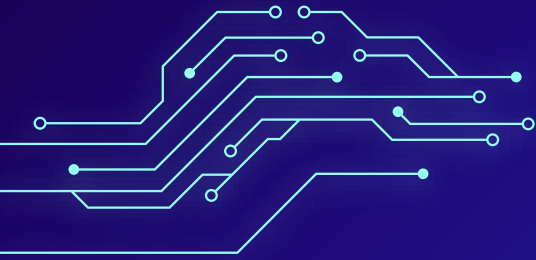


Comik - Con

Event Code: IN01



- Format: Digital doodle-making
- Theme: will be given on the spot
- Eligibility: Intello Juniors (Grade 5 to 8)
- Participants: TWO students/Team per school
- Framework: Contestants will be provided with technical set-up.
- Software to be used: MS Office Package, MS Paint, Paint 3D
- Duration to complete the project: 45 minutes
- Date of the event: Monday, 12th June 2023
- Last Date of Registration: Friday, 2nd June 2023

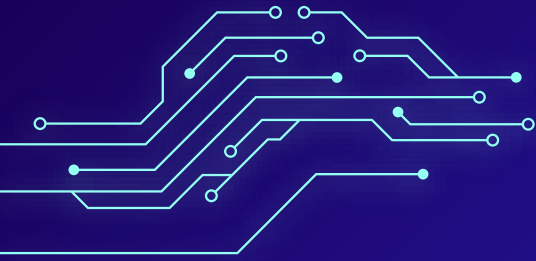


Code Illusionist

Event Code: IN 02



- Format: Creating an application by Coding
- Topic: Airline/hotel booking portal
- Eligibility: Intello Seniors (Grade 9 to 12)
- Participants: TWO students/Team per school
- Contestants will be provided with technical set-up.
- Date of the event: Monday, 12th June 2023
- Last Date of Registration: Friday, 2nd June 2023
- Language to be used: Python or C++
- Duration to complete the project: 60 minutes



E-Captiosus

Event Code: IN03

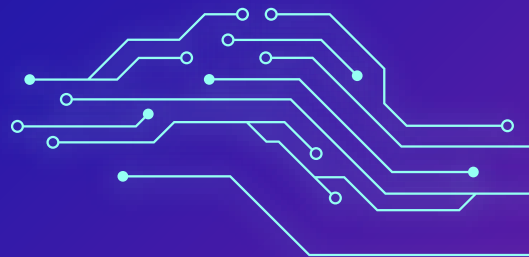


- Format: Block based AI programming
- Topic: Application of AI
- Eligibility: Intello Seniors (Grade 9 to 12)
- Participants: Two students per school (one team)
- Framework: Software will be shared during event briefing, 5 days prior of the Event.
- Participants have to get their own device(Laptop).
- Last Date of Registration: Friday, 2nd June 2023
- Date of event: Monday, 12th June 2023

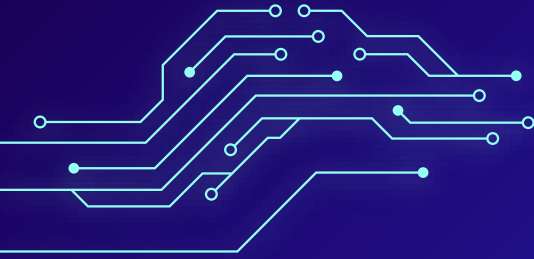


Cabaletta

Event Code: IN04



- Format: Audio-mixing
- Framework: Registered teams will be given a base string to remix. Contestants should resist the temptation to maximize loudness to the detriment of tonal balance and musical dynamics.
- String of the audio will be emailed 2 days after the registration closes.
- Eligibility: Intello Juniors (Grade 5 to 8)
- Participants: ONE student per school
- Duration of the string: Maximum 2 minutes
- Submission: To be mailed to the given mail ID
- Last date of submission of string: Thursday, 8th June 2023
- Last Date of Registration: Friday, 2nd June 2023



E-tronix Masters

Event Code: IN05



- Format: Quiz based on Robotics, AI and Information Technology
- Eligibility: Seniors (Grade 9 to 12)
- Participants: TWO students/Team per school
- Date of the event: Monday, 12th June 2023
- Framework: Qualifying round will be conducted virtually for registered teams. Date of the Qualifying round will be communicated upon Registration. Top FOUR teams will qualify for the Final Round held on Monday, 12th June 2023.
- Last Date of Registration: Friday, 2nd June 2023

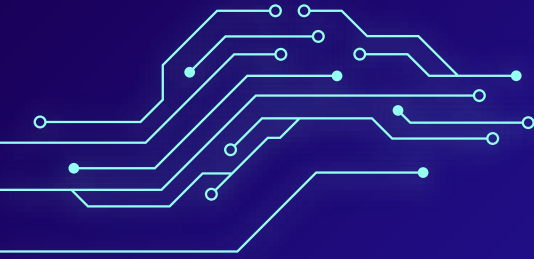


Creare Domum

Event Code: IN06



- Format: IOT based application designing(integrated with CISCO)
- Eligibility: Seniors (Grade 9 to 12)
- Participants: TWO students/Team per school
- Date of the event: Monday, 12th June 2023
- Framework: Software will be shared during event briefing,after registration.
- Participants have to get their own device(Laptop)
- Qualifying round will be conducted virtually for registered teams. Date of the Qualifying round will be communicated upon registration. Top FOUR teams will qualify for the Final Round held on Monday, 12th June 2023.
- Last Date of Registration: Friday, 2nd June 2023

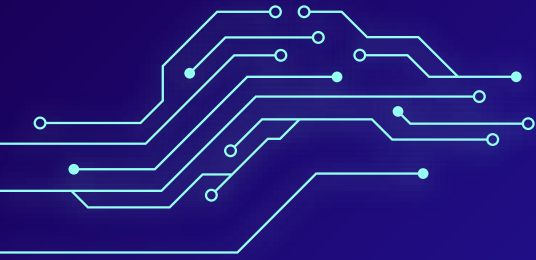


Robo Race

Event Code: IN07

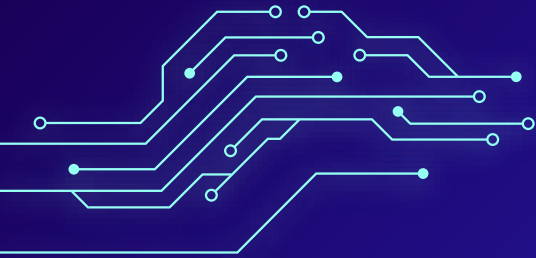


- Format: To complete a track filled of obstacles in shortest time.
- Eligibility: Intello Juniors (Grade 5 to 8)
- Participants: FOUR students/Team per school
- Robot –
 - Robot size must not exceed **25x25x25 cm.**
 - Robot can be **Wired** or **Wireless.**
 - Robot weight must not exceed **3Kg.**
- Date of the event: Monday, 12th June 2023
- Last date of Registration: Thursday, 1st June 2023



Robo Race Sample Track





Innovation Hunt

Event Code: IN08



- Format: Team needs to prepare A2 size poster of their innovative project based on given topic along with the Prototype. Students need to submit a recorded video (Max. 3 Minutes) of students explaining the idea along with poster and prototype and mail it before 5th June 2023.
- Topic –
 - Robots in Agriculture or
 - Robots in Service Industry
- Eligibility: Intello Juniors (Grade 5 to 8)
- Participants: FOUR students/Team per school
- Date of the event: Top 3 teams will qualify for the final round which will be held on Monday, 12th June 2023
- Submission: To be mailed to the given mail ID
- Last date of Registration: Friday, 2nd June 2023



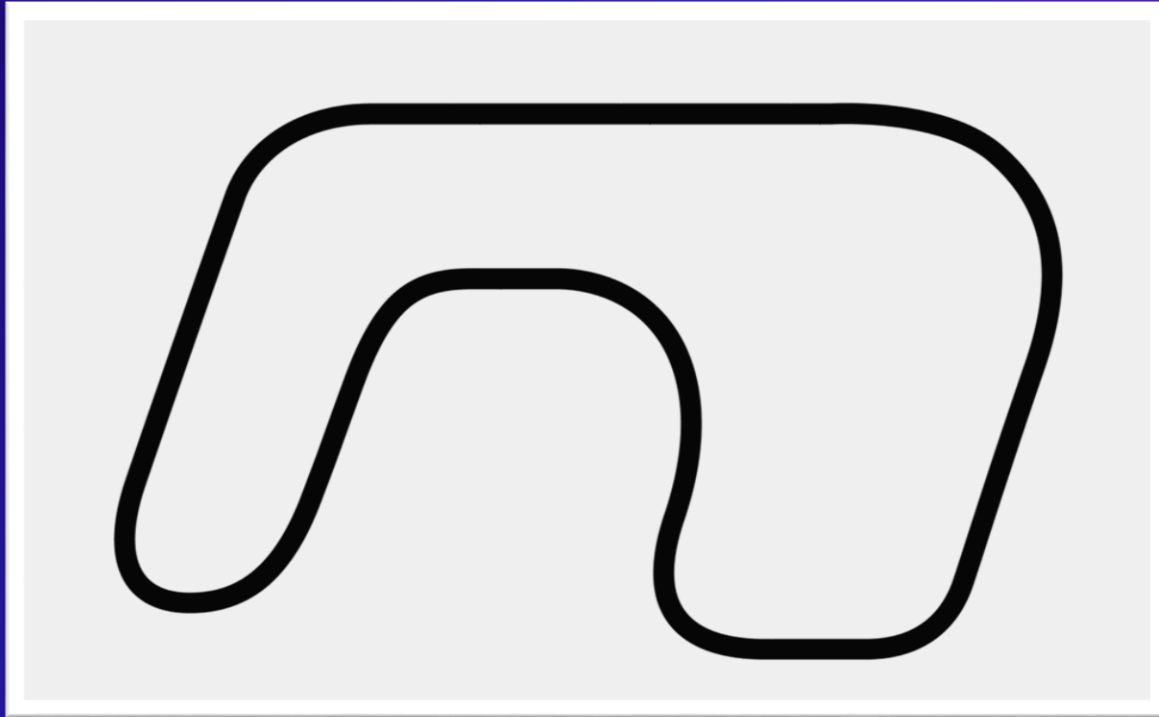
Line Following Robot

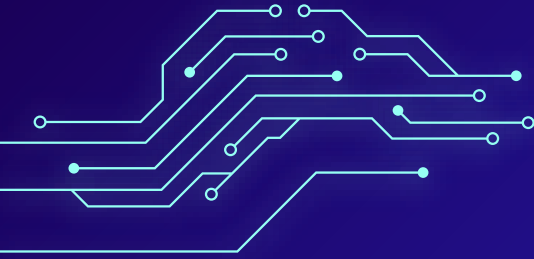
Event Code: IN09



- Format: To complete track in shortest time by following line.
- Eligibility: Intello Seniors (Grade 9 to 12)
- Participants: FOUR students/Team per school
- Robot –
 - Robot size must not exceed **25x25x25 cm.**
 - Robot must be autonomous.
 - Robot weight must not exceed **3Kg.**
- Date of the event: Monday, 12th June 2023
- Last date of Registration: Friday, 2nd June 2023

Line Following Robot Sample Track





Soccer Robot

Event Code: IN010



- Format: To score maximum number of goals in a **1:1** soccer match. Each Soccer match will be of **3 mins**.
- Eligibility: Robo Seniors (Grade 9 to 12)
- Participants: **FOUR** students/Team per school
- Robot –
 - Robot size must not exceed **25x25x25 cm**.
 - Robot must be controlled **Wirelessly**.
 - Robot weight must not exceed **3Kg**.
- Date of the event: Monday, 12th June 2023
- Last date of Registration: Friday, 2nd June 2023

Soccer Robot Sample Track





Artificial Intelligence Challenge

Event Code: IN11



- Format: Team needs to prepare a presentation on how we can solve problem in Education with the help of AI. Students need to find an innovative and creative AI solution which can be deployed to resolve practical problems in education. Students need to record a video (Max 3 min.) presenting an idea (demo of working model/prototype can be added in the presentation).
- Topic – AI in Education
- Eligibility: Intello Seniors (Grade 9 to 12)
- Participants: FOUR students/Team per school
- Date of the event: Top 3 teams will qualify for the final round which will be held on Monday, 12th June 2023.
- Submission: To be mailed to the given mail ID by 5th June.
- Last date of Registration: Friday, 2nd June 2023



THANK YOU

**Looking forward
to your partaking**

