



**BOYZ**  
**ROBOTICS**  
**OLYMPIAD**  
2024

**THINK**  
OUT OF THE  
**BOOK**  
Robotics Challenge



A yellow and black robot with a large orange spherical eye, positioned in the top left corner of the page.

### Eligibility:

The competition is open for all OBotz students who **have completed at least Level 1 on or before 25<sup>th</sup> February 2024.**

Level completion cut-off date for participation is **25th February 2024.**

**Categories:** The participant will be allotted only in one category based on their last level completed as of **25th February**. For e.g.: - A student who has completed Level 3 on or before 25th February 2024 and currently is in Level 4 will participate in Level 3 category.

This will not be changed in any case. Only one project can be displayed and submitted by the student and under no circumstances will the student be allowed to participate in 2 categories (Please see the FAQ section for further details).





**Topic:** The project should belong to at least one of the topic mentioned below:

- Agriculture
- Retail Industry
- Warehouse/Logistics
- Healthcare/Medical
- Automation for Home
- Automation for Industry/Office
- Special needs



**Be Innovative and Creative.** Give a suitable and attractive name to the Project.






**Model:** The project must be an **electronically working model** (not just construction). Kindly make sure the project is not a standard design from any levels. It should have **proper application** and some additional features with art and craft involved for presentation.

**The participant cannot build exact same project uploaded on OBotz website, Facebook and Instagram.**

<https://obotz.ca/projects/>, <https://www.facebook.com/obotzcanada/>

<https://instagram.com/obotzcanada?igshid=YmMyMTA2M2Y=>





**Construction:** The participants must use electronic components from the kits provided to them during their levels and can also combine kits of previous levels. The participant is not allowed to borrow parts from anyone else.

For e.g.: - A student completed Level 3, currently is in Level 4 will participate in Level 3 category and can use parts from Level 1,2 & 3 but not from Level 4.

The participants **can use external building/construction/stationery materials** in their project. Please ensure **no additional/external electronic parts** are used other than those provided in the kit as this will lead to disqualification.





Category	LEVEL KIT that can be used						
	L1	L2	L3	L4	L5	L6	L7
L1 project	✓						
L2 project	✓	✓					
L3 project	✓	✓	✓				
L4 project	✓	✓	✓	✓			
L5 project	✓	✓	✓	✓	✓		
L6 project	✓	✓	✓	✓	✓	✓	
L7 project	✓	✓	✓	✓	✓	✓	✓

\*\*Students who completed Level 7 will participate in Level 7 category


A yellow and black robot is positioned in the top left corner of the page. It has a humanoid form with a large orange spherical component on its chest and is shown in a dynamic, floating pose.

**Video & pictures:** Please submit **1 video & 5 pictures of the project** with the participant in it which will be used to verify whether all rules are followed.

Project video for Level 1,2 and 3 should **not be longer than 2 minute**, The working needs to be shown explaining the idea and which category does it belong to? Also explain the use/working and mention about important parts of the project.

Project video for Level 4 to 7 should not be longer than 2 min 30 seconds. The working needs to be shown explaining the idea and which category does it belong to? Also explain the use/working and mention about important parts of the project.




A yellow and black robot is positioned in the top left corner, appearing to be in motion or falling. It has a complex, mechanical design with a prominent orange light on its chest.

Last date to send videos & pictures is **7th April 2024**. You can submit your project to the respective center by email or G-drive link before the deadline.  
(Refer FAQ section for picture guidelines)

**Code submission:** Level 4 to 7 categories must submit their codes along with a video and 5 pictures.





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**Project Display in person :** 23rd March - 7th April 2024 (10 am onwards at OBotz Centre). Exact time slots will be shared nearing the final date.



**Every participant who registers gets a medal.**

A red and black robot is located in the bottom left corner. It has a more car-like or tank-like appearance with a prominent white eye-like sensor on its front and is shown in a stationary pose.A blue and red robot is positioned in the bottom right corner. It has a complex, multi-limbed design with a blue and red color scheme and is shown in a dynamic, crouching pose.



## Winning Parameters - EPIIC:

*(Each parameter will be marked on a scale from 1 to 10)*

- Execution (working efficiency, user friendly)
  - Presentation (communication, confidence, video)
  - Ideation (Clarity, research, use)
  - Innovation (uniqueness, futuristic)
  - Creativity (design - shape, colour, materials, elements).
- 
- 



*TOP 5% of each category will move to INNOVATORS HUB*

**INNOVATORS HUB: -**

The Finalists will be declared online and a series of questions related to the project will be asked by the judges in front of the entire audience/parents.

All the participants will have to prepare for the questions mentioned in the next slide.

The judges will decide the winner based on EPIIC and Innovators Hub interaction.





**INNOVATORS HUB QUESTIONS:**

- What inspired you for this project idea?
- What technology/concept/science was used in this project??
- Explain the market usage/compatibility of your project
- Scalability of this project in terms of ( Market and product)
- Comparative market study on cost with similar products available.



**Innovation is Unfinished if it doesn't become a Finished product**



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OUT OF THE  
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Robotics Challenge

25<sup>th</sup>  
Feb

Registration  
Deadline

Projection  
Creation

31<sup>st</sup>  
March

Submission

11<sup>th</sup>  
April

Award  
Ceremony

Innovators  
Hub Winner

Innovators  
Hub Live



Thank  
you

