

BOYZ
ROBOTICS
OLYMPIAD
2024



CODE-WARS





Eligibility:

The competition is open for all students who have completed at least Level 4 by 24th February 2024.

There would be 3 groups based on the age of the participant.

- CW1 – Age 11 and under
- CW2 – Age 12 & 13
- CW3 – Age 14 and above

Requirement:

- Laptop/Desktop and active internet connection.
 - M-Block software used in Level 4
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Competition Format :

National CODE-WARS (Eliminator):

- The participant will **have to create a Code** for the given word problem.
- Each participant will **have to solve 3 codes** in this round.
- Each participant will **get 3 minutes and 30 seconds** to solve each code.
- The participant will **gain 50 points for every code created correctly.**
(For every error in the code 10 points will be deducted)

TOP 25% participant from each group with maximum points will be selected and proceed to the National CODE-WARS (Knockout).





National CODE-WARS (Knockout): -

- TOP 25% participants from different regions will compete against each other.
 - In Code-Wars Knockout the participant will work on 3 to 4 different kinds of Code. As they proceed to the next round the complexity will increase and the pattern of questions will change.
 - The TOP 25% participants will play series of Knockout matches until we have the Winner.
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Question Types :

There are 3 types of CODING questions (Each question will gain points)

Type 1: (Rectify error) – *time limit 3 mins*

A program will be shared which will have some errors in it. The participant has to create the correct program rectifying the errors in it.

Type 2: (Word problem) – *time limit 4 mins*

The participants will be given a word problem, and they will have to create a program to solve that problem.

Type 3: (Alternate program) – *time limit 4 mins*

A program will be shared, and an alternative program has to be made with different blocks. The shortest and fastest program will get maximum points.





NATIONAL KNOCKOUT MATCH
1st ROUND (TOP 25%)

- Code Type: - Rectify the Error
- No of Codes: - 3
- Time limit: - 3 minutes for each code.

Try to find as many errors as possible and each correct error will gain 5 points.

The participant who gains maximum points will be the winner.

If the points are equal, then one who completes in minimum time will be the winner.





NATIONAL KNOCKOUT MATCH
2nd ROUND (Winners from Round 1)

- Code Type: - Rectify the Error (2 codes) & Word problem (1 code)
- No of Codes: - 3
- Time limit: - 4 minutes for each.

Try to find as many errors as possible and each correct error will gain 5 points and if word problem is correct will gain 40 points.

The participant who gains maximum points will be the winner.

If the points are equal, then one who completes in minimum time will be the winner.





NATIONAL KNOCKOUT MATCH
3rd ROUND (Winners from Round 2)

- Code Type: - Rectify the Error (1 code) & Word problem (2 code) + Alternate Code (1 Code)
- No of Codes: - 4
- Time limit: - 4 minutes for each.

*Try to find as many errors as possible and each correct error will gain 5 points and if word problem is correct will gain 40 points.
Alternate code is correct will gain 25 points.*

*The participant who gains maximum points will be the winner.
If the points are equal, then one who completes in minimum time will be the winner.*



NATIONAL KNOCKOUT MATCH

Finals

- Code Type : - Rectify the Error (1 code) + Word problem (2 codes) + Alternate Code (1 code) + Surprise (1 code)
- No of Codes: - 5
- Time limit: - 3 minutes for each.

Try to find as many errors as possible and each correct error will gain 5 points and if word problem is correct will gain 40 points.

Alternate Code is correct, will gain 25 points.

Surprise code is correct, will gain 30 points

The participant who gains maximum points will be the winner.

If the points are equal, then one who completes in minimum time will be the winner.



Registration Fee : \$30 (Contact your center for completing the registration)

Registration Deadline : 30th January 2024

National CODE-WARS (Eliminator) : 25th to 29th March 2024
(Exact date and time will be informed by respective center)

Results : 2nd April 2024 (Top 25%)

National CODE-WARS (Knockouts): 4th April to 9th April 2024
(Exact dates and time will be declared once TOP 25% winners are finalised)

National CODE-WARS (Finals): 12th April 2024

Award Ceremony – 21st April at 4 pm





AWARDS:

- Each participant will get a **Certificate.**
 - TOP 25% in each category of Code-Wars Eliminator will get a **Medal.**
 - Top 4 participants of Code-Wars in each category will get a **Winner Trophy.**
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Frequently Asked Questions (FAQ)

Q1. Is it compulsory to have the level 4 kit or any other level kit for coding competition?

A: No. It is not required as the participant will have to create Code in Eliminator and solve the code as per the question using software in Knockout.

Q2. What if my laptop is out of power or network gets disconnected during competition?

A: Neither of these problems shall be considered as an excuse. The participant will have to make sure that the laptop is properly charged or keep the charger connected to laptop.





Q3. How will I get the questions for my round?

A: The question link will be shared on screen during Eliminator round and the participant will have to create the code to solve the word problem. Then the participant will take a picture of the code and send on WhatsApp immediately. The number would be shared by the center 2 days before the round begins.

In Knockout round the question will be sent by email in coding software file format. The participant needs to download it before the round begins. Solve the question in the same file and answer will be captured once time ends. A demo will be explained during practice.

Q4. There are 3 types of question, which questions will I get in my round?



A: The word problem in Eliminator will be based on concepts and logic of Level 4 . In Knockout the complexity will increase as the participant moves to the next round. The participants have to prepare themselves for all types.





Q5. How will my codes be checked?

A: In Eliminator – The picture of the codes created will be sent by participant using WhatsApp.

In Knockout - The codes will be captured instantly online as participant has to enable the live screen sharing from his/her side. The results will be updated in few days.



Thank
you

