Association

Collège VOLNEY
54 rue du Poirier
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Official rules

InnovBot challenge 2020

RoboRAVE France – Craon

http://www.roborave53.fr/

The challenge is to present a free project using robotics in an innovative way (for example: robot-managed vegetable garden project, intelligent blind cane project, etc.)
The theme is free.

Participants can be followed by a coach (one coach per team maximum) but the design, implementation and presentation of the project must be the fruit of the reflection of young people.

Chapter 1 Target of the challenge

Article 1 : objectifve

Design, build and present an original project using robotics in an innovative way. The project can cover any field.

Chapter 2 Characteristics

Article 2 : The space

- Each team will have 3m by 2m presentation space on contest day, with a table and billboards.

- Electrical outlets are available, but there will be no internet connection.

- The project must include at least one microcontroller: programmable brick, Arduino board or others are accepted. The use of sensors and remote controls are allowed.

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Chapter 3 General rules

Article 3 : general tules

• Participants must install their project on their own before 10:00 a.m.

• The presentation of the project will take place between 10:00 and 12:00 and from 2:00 to 4:00 p.m.

• Organization is subject to change.

Chapter 4 *P*oints

Article 4 : Before the event (deadline Monday, 25th may 2020)

• Slides: 100 pts (see Annex 1 page 3)

• Video presentation in English (optional): 25 pts (see Annex 2 page 3)

• Project Presentation Video (mandatory - this video will be broadcast at the time of the awards): 100 pts

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Article 5 : The day of the event

• Presentation in individual English and team work: 75 pts (see Annex 3 page 4)

Article 6 : During the event

• A jury (or several) composed of the world of education and business will evaluate the project of each team (see annex 4 page 5). All juries will select the winning college team and the winning high school team.

• The winning team in each category (college and high school) will be rewarded at the end of the qualifying phases. A price of 250€ will be given to the winning establishments.

• Point allocation is subject to change.

Chapter 6 Fair play

The participants must keep calm, courteous and respectful.

Article 8 : Disqualification

Your team will be disqualified with a participant does not exhibit courtesy or respect towards the referee.

Article 9 : Objection to the referee

- No objection to the referee's decision will be accepted.

Article 10 : Claims

- All claims must be made in the presence of the team manager.

Remember, RoboRAVE France’s GOALS ARE :

- **FUN while LEARNING**
- **SHARING**
- **TEAMWORK**

Annex 1 : slides points

Requirements	Points	Validation
Deadline respect	prohibited	
Presentation of the project	20 pts	
Presentation of the group members	10 pts	
Organization of the team	15 pts	
Solutions (photo, explication)	25 pts	
Technical innovation	20 pts	
Language quality	5 pts	
Originality of the presentation	5 pts	
Total (maximum 100 pts)		

Annex 2 : English vidéo points

Requirements	Points	Validation
Deadline respect	prohibited	
Read the text	10 pts	
Recited the text	15 pts	
Language quality	5 pts	
Originality of the presentation	5 pts	
Total (maximum 25 pts)		

▪ **Annexe 3 :** English presentation – RoboRAVE 2020

Each team will introduce their project in front of a jury composed of 2 "euro-class" students.
This presentation will be awarded with 75 points.

Each presentation will be composed of :
- an introduction of the team's name, names of the participants, school and chosen challenge /20 pts
- a presentation of their robot, its choice and certification / 20 pts
- a question of their choice to go further /15 pts
- language quality /20 pts

You will be judged on your oral production (understanding and fluency). Each member of the team will speak and the quality of your expression will be judged too (vocabulary, grammar mistakes…)

Part 1 : introduction	Points	√ X
Name of the team	/5	
Name of the participants	/5	
Name of their school	/5	
Name of the chosen challenge	/5	
Part 2 : description		
Presentation of the robot	/10	
Its certification, conditions and restrictions	/5	
Strategy chosen	/5	
Part 3 : a question	/15	
Part 4 : language quality		
understanding	/10	
fluency	/10	
Total des points (maximum 75 pts)		

Examples of questions :
Do you like robotics ?
Why do you like robotics ?
Are you in a robotic club ?
Would you like to create one ?
Have you ever participated in a robotic competition ?
Have you ever participated in a competition ? Where ?
Would you like to participate in a robotic competition in another country ? Where ?
Do you like Math ? English ?
Or any other questions !!!

▪ **Annexe 4 :** Grille d'évaluation du jury InnovBot

- **Qualité scientifique du projet** (/ 40)

  ✔ Présence d'une idée originale - innovante
  ✔ Cohérence du travail présenté avec cette idée
  ✔ Place de la robotique clairement identifiée et explicitée
  ✔ Rigueur de l'explication

- **Perspective entrepreneuriale** (/ 40)

  ✔ Développement du projet
  ✔ Créer une entreprise

- **Qualité des réponses** (/ 30)

  ✔ Compréhension des questions
  ✔ Réactivité des réponses
  ✔ Compréhension du sujet

- **Qualité de l'investissement des élèves dans le projet** (/ 30)

  ✔ Motivation et conviction
  ✔ Importance du travail fourni , travail d'équipe

- **Qualité de la présentation du stand** (/ 20)

  ✔ Bonne installation
  ✔ Diversité des supports
  ✔ Soin de la présentation

- **Qualité de la présentation orale** (/ 40)

  ✔ Expression orale claire
  ✔ Répartition de la parole
  ✔ Autonomie des élèves

Total (/ 200)