



**EBEC**  
**EMPOWERED**  
**BEST ENGINEERING COMPETITION**

# **Regulation**

**EBEC Porto 2024**

## **Article 1**

### **[EBEC Porto'24]**

- a. The Local BEST Group of Porto, hereafter referred to as BEST Porto, promotes an Engineering Competition under the designation EBEC Porto'24 (Empowered BEST Engineering Competition Porto 2024).
- b. The competition is divided into two categories:
  - i. **Innovative Design:** a practical challenge where the main goal is to build a prototype using a limited number of low-cost materials.
  - ii. **Case Study:** theoretical challenge where a real problem is given to be solved. Two challenges are provided to each team.
- c. The organization is considered to be the members of BEST Porto identified as such with a special badge.
- d. EBEC Porto has as goals:
  - i. Stimulate creativity;
  - ii. Encourage teamwork;
  - iii. Demonstrate personal and professional skills;
  - iv. Provide students with contact with sponsor companies;
  - v. Develop problem-solving ability;
  - vi. Allow for the practical application of theoretical knowledge;
  - vii. Motivate learning through new experiences;
  - viii. Promote the exchange of ideas;
  - ix. Provide leisure and fun moments;
  - x. Improve time management and stress management.

## **Article 2**

### **[Recipients]**

- a. All students from the Engineering (FEUP) and Science (FCUP) faculties of the University of Porto that have enrolled in the 2023/2024 academic year may participate in EBEC Porto'24.
- b. Participants may apply in groups of four. If there are fewer members (one, two, or three), the application will still be accepted, and it will be the responsibility of the organization to join the participants in groups of four.
- c. Team applications with four members have priority over other applications, and if the slots are completely filled before the teams with fewer than four members are completed, they will lose the slot and receive their deposit back.
- d. Registrations are limited to 45 teams of Innovative Design and 15 of Case Study.
- e. Participation by members associated with BEST Porto and/or linked to BEST Porto in any way is prohibited and subject to disqualification from the competition.
- f. Participation in the event implies acceptance of all clauses in this regulation.

### **Article 3**

#### **[Place, Date and Registration]**

- a. EBEC Porto'24 will take place at the Faculty of Engineering of the University of Porto, as well as all the sessions and workshops..
- b. The event will take place on February 24th to 26th, 2024.
- c. Registrations can be made in the following ways:
  1. Through the event website: <http://ebec.bestporto.org>;
  2. At the event promotion desks that will be present at FEUP and FCUP.
- d. Registration for the EBEC Challenge Porto'24 will only be considered valid after the payment of a deposit of 6 euros per person which will later be returned (except in cases of non-compliance with the regulation).
- e. If the number of registrations exceeds the number of places, the first 45 teams with paid deposit for the Innovative Design modality and the first 15 teams with paid deposit for the Case Study modality will be considered.
- f. The deposit payment can be made preferably by bank transfer to IBAN: PT50 0018 0003 4363 5747 0203 0, with subsequent sending of the receipt to the email: [ebec24@bestporto.org](mailto:ebec24@bestporto.org). If this is not possible, other payment methods will be discussed together with the BEST Porto treasurer.
- g. The team captain will be informed via email as soon as possible about the validation of the registration.
- h. Each team must choose a name to identify itself, this subject to change in the event of it being deemed inappropriate by the organization.
- i. At the time of registration, the team must appoint a group captain. If the registration is in a group with less than 4 people, as soon as the team is formed, they must appoint a team leader and choose a team name up to 3 days before the competition.
- j. The participants will have until March 26th to collect their deposit, provided that all members of their team comply with the conditions imposed by the organization:
  - i. The team cannot withdraw from the competition;
  - ii. The tools provided by the organization (including pens and markers), as well as the materials indicated in the script, must be returned in the same conditions in which they were delivered;

- iii. At the end of the competition, the team must leave its space properly arranged, clean and without any damage;
- iv. It is mandatory for all team members to be present at the opening session as well as at least two members at the closing session. If this is not met, the team will not receive accreditation;
- v. The presence in the workshops is also mandatory for all team members\*;
- vi. If any member of the team is unable to attend a session, the appropriate justification must be given to the Participants Responsible who may or may not accept the provided justification.
- vii. Participants must fill out a feedback questionnaire for the event;
- viii. Each team member must submit their English CV by the end of the competition;
- ix. Compliance with all clauses in this regulation.

\*except CS (Case Study) participants, who can miss the tools workshop without any implications.

## **Article 4**

### **[Competition and Evaluation]**

- a. At the beginning and end of the competition, all members of each team must be present in the designated competition space, except due to a justified situation at the organization's discretion.
- b. The competition is regulated by the documents provided by the organization before the competition starts.
- c. During the competition, you are allowed to speak with the responsible parties for the category in which the team is enrolled to clarify any questions regarding the competition's objective.
- d. Any questions about the event organization should be addressed to the main organizer or the participants responsible, which contacts can be found further in the present document.
- e. Only decisions made and announced by the Main Organizer and the organizing team are binding.
- f. Exits outside the competition venue will only be allowed with prior notice from the Participant Responsible or the Main Organizer, with adequate justification.
- g. Participants are not allowed to enter the spaces reserved for the organization.
- h. By participating in EBEC Porto'24, participants surrender all their audio-visual and image rights captured during the competition to BEST Porto.
- i. Photos or videos captured by BEST Porto members may be later published in their communication channels.
- j. It is the responsibility of the event organizer to provide a grading sheet containing the evaluation parameters, as well as a list of all competing teams, to each member of the jury to facilitate and justify the determination of the awardees.
- k. The announcement of the awardees will be made during the closing session.

## **Article 5**

### **[Innovative Design]**

- a. Each registered team will receive:
  - i. The event program;
  - ii. The script of the task to be executed;
  - iii. Various necessary materials for the task – to be specified;
  - iv. Tools and/or accessories – to be specified;
  - v. Warnings or other notes of interest.
- b. It is mandatory for the entire team to be present at every workshop destined to the participants, as well as the opening session and, at least, two members in the closing session.
- c. Only the materials and tools provided by the organization and included in the task script can be used. Disrespecting this citation can cause immediate expulsion from the competition.
- d. Each team is fully responsible for taking care of the packaging and transportation of their work. The organization is not responsible for any damages that may occur during transportation.
- e. At the end of the task and after proper packaging by the team in the location designated by the organization, the prototypes become the responsibility of BEST Porto, until the testing of the same.
- f. All evaluation and prototype testing conditions will be made known to the participating teams at the beginning of the task via the task script.
- g. EBEC Porto'24's organization commits to providing the resources and infrastructure necessary for testing the prototypes, as well as ensuring that the test conditions remain unchanged throughout the competition.
- h. The prototypes presented by the teams will be tested/evaluated individually, so there will be no direct competition between prototypes.
- i. The prototype presentations will be made before the competition jury and must be made in English.
- j. Only two members per team may use the workshop / shop at the same time. While in there, participants must use the appropriate safety gear.
- k. BEST Porto is not responsible for any damages that may result from the misuse of the tools by the participants. Damage to any room or material

causes the entire team to lose their deposit. For example, situations like burn materials, nail or put hot glue on engines.

- I. Teams can take their respective prototypes with them at the end of their presentation. However, they must return any electronic components used. If they wish to take the entire prototype, they must pay for the electronic material used. It is essential to inform the pax responsible of these aspects.



## **Article 6**

### **[Case Study]**

- a. Each registered team will be given a kit containing:
  - i. The event program;
  - ii. Writing materials.
- b. Participation in the Case Study modality requires mandatory team presence in every session destined to the participants (all members in the opening session, and at least two members in the closing session) as well as workshops besides the tools workshop, which they can miss with any implication;
- c. At the end of the competition, each team must have a digital format presentation and report to present to the jury. The presentation format will be specified in the script.
- d. The competition script will be provided digitally through a link.
- e. The presentations will be made to the competition jury and must be entirely in English.

## **Article 7**

### **[Jury]**

- a. The jury may be composed of faculty members from the Engineering and Science faculties of the University of Porto, representatives of a competition partner entity, or any other professional in the area invited by BEST Porto. It is the jury's responsibility to:
  - i. Monitor the performance assessment of the prototypes, noting results and conducting the evaluation of the competing models - in the case of Innovative Design competitions;
  - ii. Evaluate the presentation of solutions and conduct the evaluation of the solutions presented - in the case of Case Study competitions;
  
- b. The decisions made by the jury regarding the winners of the competition are final and can not be appealed.

## **Article 8**

### **[Prizes]**

- a. The prizes to be awarded to each team will be announced during the closing session of the event, as well as which teams are entitled to them.
- b. All participants will receive, after the competition and via email, a participation certificate, with the exception of the cases provided in the Articles 9th and 10th of this regulation.

## **Article 9**

### **[Withdrawals]**

- a. Withdrawals are considered to be cases where:
  - i. There is a cancellation of registration after a established deadline of 5 working days before the start of the competition;
  - ii. During the competition, teams communicate to the Participant Responsible that they do not intend to finish their challenge.
- b. Absences are considered to be cases where the presence of a participant is not verified during the designated check-in moments.
- c. In case of withdrawal or absence of any of its members, the team immediately loses the right to the return of the deposit, the participation certificate and the accreditation.
- d. The above clauses may have exceptions in extraordinary situations, which will be evaluated by the organization.

## **Article 10**

### **[Irregularities]**

- a. In case of a violation of any of the articles in this regulation, the team will be subject to the penalties outlined for each case.
- b. In case of violations related to the competition rules, the penalty to be imposed on the team will be decided by the jury.
- c. In the event of damage to materials (tools, tables, chairs, etc.), the team must pay the amount corresponding to the cost of the same. The amount to be paid will be deducted from the deposit and, if the damage amount is higher, the team must proceed with the payment of the difference to BEST Porto.
- d. The Innovative Design teams must return all tools and electronic components to the workshop area 15 minutes before the end of the competition, in order to avoid losing the deposit.
- e. The team is responsible for maintaining the good condition of the space assigned to them and is also responsible for cleaning it before the end of the competition. Failure to comply with this rule results in the loss of the deposit.
- f. If any participant leaves the competition location during the competition time without proper permission from the Participants Responsible or Main Organizer, their team will be disqualified.
- g. The attempt to exploit computer vulnerabilities in the EBEC Porto'24 App is strictly prohibited. Any vulnerability discovered must be immediately reported to the event organization. Failure to comply with this rule results in disqualification of the team and loss of the deposit.
- h. The violation of items a), f), and g) of Article 4th results in deposit and credit loss, and may result in disqualification of the team.

- i. The consumption of illicit substances, as well as the ingestion of psychoactive substances, with the exception of coffee, is not allowed in the competition. If any participant is under the influence of any of these substances, they will be immediately removed from the competition.
  
- j. Plagiarism is not allowed and the use of the AI functionality, otherwise the entire team will lose their deposit.
  
- k. The BEST Porto reserves the right to resolve any gap, omission or issue of this regulation.

## **Article 11**

### **[Accreditation Awarding]**

- a. EBEC Porto'24 is credited with 1.5 ECTS since the academic year 2013/2014 as a 40.5 hour training action. The Case Study challenge is named "EBEC Porto 24h - Case Study" and the Innovative Design challenge is named "EBEC Porto 24h - Team Design".
- b. In order to receive credits, the participant must meet the following requirements:
  - i. Not be included in the situations referred to in the Articles 9th and 10th of this regulation;
  - ii. Present the student card on the first day of the event, at the time of receiving the participants;
  - iii. Achieve a final evaluation of his test equal to or greater than 10 points (regardless of the place that this evaluation corresponds to in the final ranking).
- c. The acceptance of the mentioned credits in each student's study plan is the responsibility of the director of each course and the respective faculty.
- d. Participants who have competed in previous years do not receive credits in the same modality again.
- e. To prove accreditation, a certificate will be issued to each participant who meets the points referred to in c) of this article.