

PMI CHALLENGE

BROCHURE



Challenge explanation

The PMI Challenge is a competition between teams of students who prepare a Project Plan on a predefined theme and a jury of experts chooses the best project.

The challenge is carried out separately by each university and evaluated by an internal jury at the respective university.

The winners of each university will compete using the same project work in a challenge among all the semifinalists and then, after this round, there will be the final. There is no limit on the number of participating teams.

Two deadlines are set:

- the first deadline unique and relating to the closure of applications for the challenge within each university;
- the second deadline relating to the nomination of the winners of the internal universities challenge.

Challenge management

The entire organization of the challenge is supported by the volunteers of the "IGeA - Ingegneri Gestionali Associati" association, who will take care of:

- manage registrations for the challenge;
- to create all the documents to be shared on the various channels to publicize the final event;
- to create communication channels for all students involved in participating in the challenge;
- to support the jury of the final challenge, creating all the files to facilitate the evaluation.

Challenge winners

The awarding of the winning team and the prize is paid by the PMI-SIC.



ELIGIBLE PROJECTS AND CONSTRAINTS

TOPIC:

Each Challenge is characterized by a topic that sets out a problem to be solved. The problem can be solved with different types of projects described below.

TYPES OF PROJECT:

- Building, construction and public works
- Web portal or other software
- Prototype for new product development
- Emergency management

ELIGIBLE PROJECTS AND CONSTRAINTS

1. BUILDING, CONSTRUCTION AND PUBLIC WORKS

You are the PM in a medium sized building and construction company. You are in charge of a project of your choice commissioned by either a private citizen (e.g. private house) or an organization (e.g. storage facility for a company, public garden for a municipality).

Constraints:

- Your project team can have up to 10 people (PM included)
- The customer has a budget of 250.000 euro
- 1/3 of the staff will be senior (gross annual salary 40.000 euro) and 2/3 will be junior (gross annual salary 30.000 euro)

2. WEB PORTAL OR OTHER SOFTWARE

You are the PM in a medium sized software company. You are in charge of a project of your choice commissioned by a private or public organization (e.g. corporate web portal, e-commerce application)

Constraints:

- Your project team can have up to 5 people (PM included)
- The customer has a budget of 50.000 euro
- 1/3 of the staff will be senior (gross annual salary 40.000 euro) and 2/3 will be junior (gross annual salary 30.000 euro)



ELIGIBLE PROJECTS AND CONSTRAINTS

3. PROTOTYPE FOR NEW PRODUCT DEVELOPMENT

You are the PM in a large manufacturing company. You are in charge of a project of your choice commissioned by a business unit that wants to develop a new product (e.g. self sanitizing device). The project goal is to prove the technical feasibility of the solution (Proof of Concept).

Constraints:

- Your project team can have up to 10 people (PM included)
- You have a budget of 250.000 euro
- 1/3 of the staff will be senior (gross annual salary 40.000 euro) and 2/3 will be junior (gross annual salary 30.000 euro)

4. EMERGENCY MANAGEMENT

You are the PM in an organization managing emergencies. You are in charge of a project of your choice (just as an example, managing the effects of a flood or a landslide).

Constraints:

- Your project team can have up to 5 people (PM included)
- The customer has a budget of 250.000 euro
- 1/3 of the staff will be senior (gross annual salary 40.000 euro) and 2/3 will be junior (gross annual salary 30.000 euro)



Project work topics

1. **Business case**
2. **Project charter**
3. **Statement of work**
4. **Project Scope description, WBS, deliverable list and e detailed description of 2 free choice Work Packages**
5. **Organization breakdown structure, RAM/RACI matrix**
6. **Gantt Diagram, Network Diagram**
7. **Project budget**
8. **Risk breakdown structure**

The Team will have to make a presentation relating to the aforementioned topics, using the tools learned during the lessons. The Team is not obliged to include all the topics in the presentation and can choose those which seem most appropriate, but the jury's questions will still focus on all 8 topics.

The Team must be made up of a maximum of 5 people

Evaluation methods and criteria

Teams will be evaluated on five criteria, each with a weight of 20%.

Each juror will have to express an evaluation from 1 to 10 for each single criterion.

The jury will receive a short form to fill out in order to facilitate the evaluation process.

At the end of the presentations, the jurors will have 10 minutes to meet in their reserved spot, discuss and agree on the winner.

Innovation

20%

**Track
responsiveness**

20%

Feasibility

20%

**Quality of the
work**

20%

Presentation

20%

