

### Declaration of originality

I declare under my responsibility that the Project presented with the title **Game Theory and Counterterrorism: Defense Strategies for train stations** at the ICAI School of Engineering of the Comillas Pontifical University in the academic year 2025/2026 is of my authorship and has not been presented previously for other purposes. The Project is not plagiarised from any other, either totally or partially, and the information that has been taken from other documents is duly referenced.

### Use of Artificial Intelligence<sup>1</sup>

I declare under my responsibility that (indicate the correct option):

I have not used Artificial Intelligence in the preparation of this document.


I have used Artificial Intelligence in the preparation of this document and/or Annex B under the conditions allowed by Comillas Pontifical University, i.e. applying Level 2 of the Perkins et al. (2024) Assessment Scale: "AI can be used for pre-task activities such as brainstorming, description and initial research. This level focuses on the use of AI for planning, synthesising and generating ideas, but assessments should emphasise the ability to develop and refine these ideas independently". Specifically, Artificial Intelligence has been used to:

(indicate here the concrete use that has been made of Artificial Intelligence)

- Look for articles on the Internet to constitute the state of the art
- Summarize the content of some of these articles
- Assist in coding the optimization problem in GAMS
- Check for errors and typo in some texts written

---

<sup>1</sup> This declaration refers to the use of generative Artificial Intelligence to carry out the Project documents (Annex B and Memory). It does not apply to Projects where, by their nature, artificial intelligence must be used as part of them (application of machine learning techniques, neural networks, data analysis...).

Signature (student): Jules Winstel

Date: 10th of June 2026

**Authorisation for Project delivery**

Thesis supervisor	Thesis deputy supervisor (if any)
Francisco Alberto Campos Fernández	Luis Jesús Fernández
Signature:  Fecha: 2026.06.17 09:31:53 +02'00'	Signature:  <i>Luis Fernández</i>
Date: 10th of June 2026	Date: 10th of June 2026