Declaration of originality

I declare under my responsibility that the Project presented with the title **Analysis of transient stability phenomenon in grid-forming power converters** 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[1]

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)
I have used Artificial Intelligence for the practical tasks of the project, such as study of different aspects of the topic, revision of Matlab Scripts for development of new ones, and for the search of functions for LaTex writing. I must add that all of the figures included in my memory are of my own making or used with permission. No figure has been generated using Artificial Intelligence. I have not used Artificial Intelligence for the complete writing of the Memory or Annex B, but I have used it for the translation of the English summary into Spanish, and for translation of specific words and sentences, and in search of synonyms.

[1] 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...).

NHG
Signature (student): Nicolás Hervías García
Date: 06/07/2026

Authorisation for Project delivery

Thesis supervisor	Thesis deputy supervisor (if any)
Francisco Javier Rendón Anglada	
Signature:	Signature:
Date: Madrid, España, 6-7-2026	Date: 06/07/2026