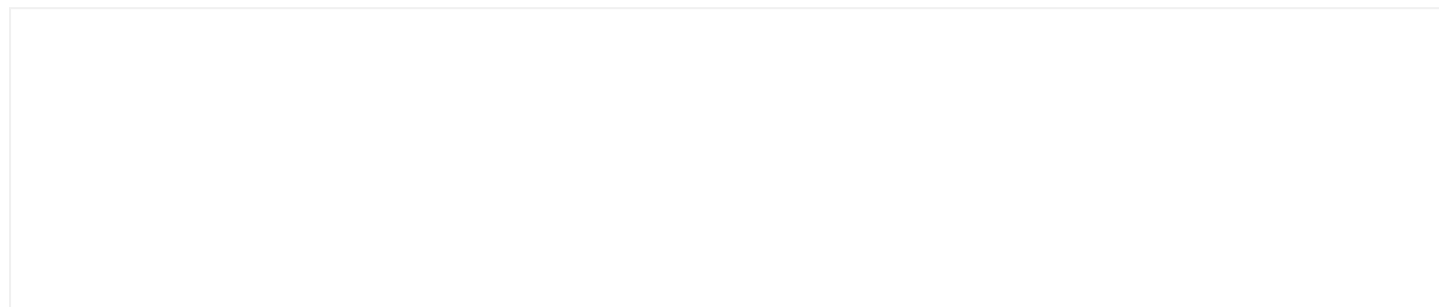


## Certificate

The Instituto Superior Técnico of the Universidade de Lisboa certifies that the student ist193548 **GONÇALO MANUEL SILVA LOUSA**, holder of the Portuguese Citizen Card No 14557183 and of PORTUGUESE nationality, obtained the title of **Mestre em Engenharia e Gestão Industrial** (Industrial Engineering and Management), on 20 November 2023, with the final mark of 16 (sixteen) points, in the scale of 0 - 20, having obtained a total of 120 ECTS, and having successfully completed the curricular units in the appendix.

The Certificate of Registration No 20691/IST/M/2024 was requested.



### Electronically signed document

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Alternatively, you can directly access the file by reading the QR code using a camera and a QR code reader application.



Curricular Unit	ECTS	Mark
Intermediate Operations Research	6.0	13 (thirteen)
Econometrics	6.0	17 (seventeen)
Corporate Strategy	6.0	19 (nineteen)
Supply Chain Management	6.0	15 (fifteen)
Project Management	6.0	16 (sixteen)
Logistics and Distribution	6.0	17 (seventeen)
Decision Support Models	6.0	17 (seventeen)
Systems Simulation Models	6.0	15 (fifteen)
Risk Evaluation and Management	6.0	17 (seventeen)
Quantitative Finance	6.0	17 (seventeen)
Operations Planning and Control	6.0	18 (eighteen)
i) Advanced planning and scheduling systems	5.0	14 (fourteen)
i) Dec making in transport & Log	5.0	14 (fourteen)
Master Thesis in Industrial Engineering and Management	30.0	18 (eighteen)
i) Managing team dyn & team perf	5.0	14 (fourteen)
i) Multivariate statistics	5.0	14 (fourteen)
i) Performance enhancement	5.0	12 (twelve)
i) Curricular units completed at Eindhoven University of Technology		