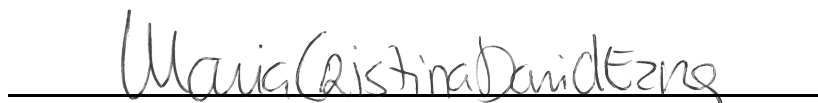**TÉCNICO LISBOA**

Maria Cristina De Oliveira Santos Matos David Ezra, Head of Graduation Academic Unit of Instituto Superior Técnico, Universidade de Lisboa certifies that:

João Miguel de Almeida Vares Coelho, holder of the Identity Card No. 15808133, born in São Sebastião da Pedreira, Lisboa and of PORTUGUESE nationality, obtained the degree of Mestre in Computer Science and Engineering in the MASTER DEGREE (MSC) in COMPUTER SCIENCE AND ENGINEERING, on the 17th of November of 2021, with the final mark of 18 (eighteen) points, on a scale of 0 - 20, having been approved in the following curricular units.

Registration Certificate number 17747/IST/M/2022.

Maria Cristina De Oliveira Santos Matos David Ezra

Head of Graduation Academic Unit

Instituto Superior Técnico, Lisboa, on the 19th of April of 2022.

Curricular Unit	ECTS	Grade
NATURAL LANGUAGE	7.5	19 (nineteen) points
PLANNING, LEARNING AND INTELLIGENT DECISION-MAKING	7.5	18 (eighteen) points
INFORMATION PROCESSING AND RETRIEVAL	7.5	15 (fifteen) points
INFORMATION VISUALIZATION	7.5	17 (seventeen) points
AUTONOMOUS AGENTS AND MULTI-AGENT SYSTEMS	7.5	19 (nineteen) points
MACHINE LEARNING	7.5	19 (nineteen) points
INDEPENDENT STUDIES 2	1.5	20 (twenty) points
SEACH AND PLANNING	7.5	19 (nineteen) points
KNOWLEDGE REPRESENTATION AND REASONING	7.5	17 (seventeen) points
DATA ANALYSIS AND INTEGRATION	7.5	17 (seventeen) points
NETWORK SCIENCE	7.5	18 (eighteen) points
INDEPENDENT STUDIES 1	1.5	20 (twenty) points
MASTER PROJECT IN INFORMATION AND SOFTWARE ENGINEERING	12	18 (eighteen) points
MASTER THESIS - INFORMATION AND SOFTWARE ENGINEERING	30	19 (nineteen) points