MADS4ENGINEERING – MADS4E
PROJECT DESCRIPTION

Project: **P1b**
Semester: **Autumn 2026**

TITLE	Intelligent Disassembly of Flat Panel Displays: Dataset Development and Component Identification

STUDENT NAME	Ângelo Rafael Castro Rodrigues	N.	1232021
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STUDENT NAME	Risto Eerkens	N.	1260252

SHORT DESCRIPTION	
Objective	Design, build and test a data-driven solution for flat panel display component identification. The purpose, target user segment and the full set of requirements are to be defined by the team based on the client requirements, state of the art, critical thinking, sustainability and ethical analyses.
Default Requirements	– Use open source software and technologies; – Comply with the applicable European legislation: General Data Protection Regulation (GDPR); Artificial Intelligence Act (AI Act); Data Act (Regulation (EU) 2023/2854); Data Governance Act (Regulation (EU) 2022/868); Cyber Resilience Act (Regulation (EU) 2024/2847). – Comply with the International System of Units (check the NIST International Guide for the use of the International System of Units)

RELEVANT DATA
To be created by the team at INESC TEC

RESOURCES
Provided by INESC TEC

ACADEMIC COACHES	Benedita Malheiro (MBM), Manuel Silva (MSS), Pedro Barbosa Guedes (PBG), Veríssimo Santos (VMS)

COMPANY	INESC TEC, Centre of Industrial Robotics and Intelligent Systems
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