Proposta de Projeto 2025-2026

LICENCIATURA EM ENGENHARIA INFORMÁTICA

PROPOSTA N.º

*TÍTULO**	Dynamic Dashboard Generation Platform 2.0 - frontend
*ORIENTADOR principal**	*Fernando Cassola (INESC TEC)*
COORIENTADORES	*Marco Oliveira (INESC TEC); André Thiago Neto (INESC TEC/UTAD); Hugo Alexandre Paredes Guedes da Silva (INESC TEC / UTAD)*
ALUNOS(S)	1
ÁREA DE investigação	*Desenvolvimento Web*
CENTRO DE investigação	*INESC TEC - HUMANISE*
DEPENDÊNCIAS	Clique aqui para introduzir texto.
*APRESENTAÇÃO**	This project aims to develop an innovative web platform for creating dynamic and configurable dashboards, allowing non-technical users to intuitively customize data visualizations. The challenge is to build an interactive and responsive interface with drag-and-drop tools for real-time configuration. Key features include: designing user-friendly interfaces with customizable graphs, tables, and maps; ensuring seamless communication with the backend via API; optimizing performance and compliance with accessibility standards (WCAG); and providing clear documentation for end-users and the development team.
*OBJETIVOS**	**1. Develop an Intuitive and Interactive User Interface** • Create a responsive web platform with drag-and-drop tools to enable real-time customization of data visualizations. • Design user-friendly interfaces supporting customizable graphs, tables, and maps for non-technical users. **2. Ensure Seamless Backend Integration and Performance Optimization** • Implement seamless communication between the frontend and backend via APIs to ensure smooth data flow. • Optimize platform performance to handle real-time interactions while ensuring scalability and efficiency. **3. Achieve Accessibility Compliance and Provide Comprehensive Documentation** • Ensure the platform meets accessibility standards (WCAG) to cater to diverse user needs. • Develop clear and thorough documentation for both end-users and developers to facilitate platform adoption and future development.

* Campos de preenchimento obrigatório
NOTA: a totalidade deste documento (exceto esta linha) não deve exceder <u>uma</u> página.