European Social Fund Plus 2021/2027

FSE+

PPO 2023 S.P. 22/23

Support for higher education within the regional university

With Decree No. 17895/GRFVG of April 19, 2023, the Friuli Venezia Giulia Region published the Notice regarding the submission of operations for Specific Program No. 22/23, which aims to support higher education within the regional university system.

Line A – PhD Programmes

Specific Programme 22/23, through the funding of doctoral scholarships, contributes to the achievement of the objectives of the Sustainable Smart Specialisation Strategy (S4). It supports the development or strengthening of integration with the regional production system and/or research organisations, through coordination and collaboration mechanisms with regional enterprises or research bodies, or by leveraging the potential for technology transfer of processes, products, applications, or, more broadly, research outcomes.

- Notice **2023**
- **39th cycle**
- Unique Project Code (CUP) **J93C23001490008**
- Project **2023/1578/2**

Doctoral Programme in **Applied Data Science and Artificial Intelligence**

"**Virtual Assistant for Production Planning and Scheduling**"

The research project aims to find a solution for managing production processes that are becoming increasingly complex, need to be carried out in a short amount of time, and require minimal user expertise. Cybertech, a company based in Trieste that has been offering advanced and user-friendly solutions for over 30 years, seeks to optimize the supply chain by reducing costs, maximizing productivity, and enhancing service levels.

The issue being addressed is related to the current demographic trends in Italy, which are making it increasingly difficult for companies to find planners. Therefore, it becomes crucial to offer solutions that are as autonomous as possible through technologies enabled by artificial intelligence and machine learning.

The project aims to develop a generic assistant that can be deployed in a specific application domain and that will (i) reduce the time required by users to perform their tasks, (ii) increase the system's intrinsic knowledge so that expertise, which would otherwise remain tied to individual users, can be incorporated into the system, and (iii) make the overall process more efficient and effective.