Universidad de Valladolid

ESCUELA DE INGENIERÍAS INDUSTRIALES

UNIVERSIDAD DE VALLADOLID

ESCUELA DE INGENIERIAS INDUSTRIALES

Grado en Ingeniería en Organización Industrial

i-FAB LABORATORY PLAN COSTING

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TFG REALIZADO EN PROGRAMA DE INTERCAMBIO

TÍTULO:	i-FAB LABORRATORY PLAN COSTING
ALUMNO:	Gonzalo Marcos Bachiller
FECHA:	29/06/2023
CENTRO:	LIUC- Carlo Cattaneo
UNIVERSIDAD:	LIUC- Carlo Cattaneo
TUTOR:	Nicolo` Saporiti

Resumen en español

La tesis ha consistido en un trabajo descriptivo y analítico sobra la parte de laboratorio de simulación de la facultad Carlo-Cattaneo. Comenzando por describir que se hacía en este laboratorio, así como la maquinaria utilizada para llevar a cabo su labor. Para pasar en una segunda parte a una visión general de lo que puede costar a una universidad un laboratorio de estas características. Tanto la inversión inicial en robótica, herramientas y utensilios que puedan ser usados. Tanto como el mantenimiento de este laboratorio.

Cinco palabras claves que describen el TFG:

COST, SIMULATION PROCESS, ANALYSIS, INVESTMENT, EUROPEAN.

ABSTRACT

This paper studies the cost of the simulation process taught in the i-FAB laboratory of the Carlo Cattaneo-Liuc University. Starting from a general base of the teachings provided in this simulation course, as well as an analysis of the simulation process.

The elements used in the laboratory that allow to undertake the previous challenges are analyzed bibliographically and the production process is simulated to analyze the interest of introducing them in the industry. Especially the effect of digital and technological transformation in the industry is studied.

To finally make a cost plan for the investment made by the university so that this course can be carried out. As well as the annual cost that this department supposes, introducing amortizations according to the European model.

KEYWORDS:

Cost, simulation process, i-FAB laboratory, Carlo Cattaneo Liuc University, teachings, analysis, elements, challenges, bibliographic analysis, production process, interest, industry, digital transformation, technological transformation, cost plan, investment, course, annual cost, department, amortizations, European model.