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Appears in: ICERI2021 Proceed (browse)	dings	EXPE			CAL-SCIE		ODUCTION	PROC	ESS	
Pages: 4458-4464		VVIIII	WASIER	5 STUDENTS						
Publication year: 2	2021	LE Dibo	iro DM Porro	o E Silvo						
ISSN: 2340-1095		J.E. RIDEIRU, P.M. BAITOS, F. SIVA								
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Conference name: International Confe	: 14th annual rence of	In the cu	rrent context, n	much of the informat	ion that higher	education stude	nts need for the	ir acaden	nic work is	
Education, Research and nnovation		searched on the internet, but they do not always use the proper filtering tools to select it. This aspect, together								
Dates: 8-9 November, 2021		with the fact that they do not have reading habits of technical-scientific texts, especially when written in English,								
Location: Online Conterence		makes it pertinent in master's courses to challenge students to tasks that allow them to develop these skills. In this								
(BibTeX) (ris) (plaintext)		sense, within the scope of the Manufacturing Processes course unit of the Master in Industrial Engineering, it was								
Other publications by the		proposed to carry out a group work, which, in addition to the laboratory component, involved the writing of a								
authors: (search)		scientific article in English and peer review. In the practical component, students were asked to idealize (1st								
		phase) and create (2nd phase) a piece in aluminum alloy, preferably with some innovative character. In the first								
		phase, ta	aking into acco	unt some restriction	s that were imp	oosed in terms o	f material and m	aximum (	dimensions,	
ncoming event:		they had to think and decide with their group colleagues about the characteristics of the part, drawing and								
INTED 2022 7-9 March, 2022 Valencia (Spain)		dimensioning it in SOLIDWORKS®. In the second phase, the students started by simulating the part's								
		manufacturing process using the CAM (Computer Aiding Manufacturing) module, CNC (Computer Numerical								
		Control) code generation and, finally, they started to manufacture it with numerical control machines. Alongside								
		the practical component, students were encouraged to develop the theoretical component of the work.								
		researching in scientific articles matters related to the design and manufacturing methods of the piece.								
		Each group had to produce an article in English that focused on the work carried out, both at a technical and								
Announcement Register now		scientific level, and to review an article from another group, in addition to the reformulation of its own based on the								
		suggestions of colleagues. In order to know the student's opinion about the process, a questionnaire was applied,								
PROCEEDINGS INDEXED IN Web of Science		in which, among other aspects, their opinion was asked about this entire writing and revision process. From the								
		students who responded, 94.7% agree or totally agree that the elaboration of the article allowed them to develop								
		skills that may be useful to them in the future and 84.2% agree or totally agree that the work of reviewing the								
rossref 🎽		article has improved their critical skills. However, the teacher found that students had difficulty in mobilizing their								
	-	knowledge and creativity to design an innovative piece, so it is important to continue to promote this type of								
			approach so that students develop research and thinking skills associated with practical aspects. As would also be							
		expected, the fact that the article was written in English made the process of writing (57.9% agree or totally agree)								
		and review (63.2% agree or totally agree) difficult, but they were faced with the need to overcome this barrier can								
		he an im	portant contribu	ution to increasing t	neir English pro	oficiency				
					.e. English ph	subiority.				
		keywords: peer review, higher education, writing technical-scientific texts.								