



TECHNOLOGICAL TOOLS IN THE ELECTRICAL ENGINEERING TO APPROACH STUDENTS TO PROFESSIONAL ROUTINE

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Abstract

This work aims to define and demonstrate the importance of technological tools in the teaching of subjects in the Electrical Engineering graduate course. A parallel between the theoretical contents and their practical applications will be done taking into account a curricular grid of the mentioned course, since some of the assignments of the engineer is to have skills and abilities to apply mathematical, scientific, technological and instrumental knowledge to the engineering. In the text will be addressed 3 tools that have various professional and didactic applications: MATLAB, Arduino and Lumine, as well as the importance of teaching these tools and the benefits acquired by the student when entering the increasingly competitive labor market. In addition, a survey was conducted to evaluate the students' opinions on the subjects of this work.

Keywords: Technological tools, MATLAB, Arduino, Lumine, Electrical Engineering.