

Building simulation software for assembling and disassembling electronic components for teaching in vocational schools.

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Abstract: In the context of the increasingly developing technical and technology education, building a simulation system for disassembling and assembling electronic components is necessary to support the teaching process at vocational schools. The objective of this project is to develop software simulating the process of disassembling and assembling electronic components, aiming to provide a safe and effective practice environment for students. The research method is based on a combination of modern electronic knowledge theory and intuitive user interface design. The expected results of this project will not only improve teaching quality but also significantly contribute to developing the practical skills of technical students.

Keywords: Simulation software, Electronic components, Vocational education, Safe practice environment, Electronic engineering