Second Laureate Innovantion

◆ **Project Title:** The Intelligent Digital Full Automatic Fruits and Olive Corer Machine
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Abstract:

Object-oriented programming (OOP) is a programming paradigm that uses "objects" and their interactions to design applications and computer programs. Bottom-up Design, fault-tolerance increasing, cooperation and infinitive expanding capability are some of the most important specification of the Object-oriented concept. Although this concept is introduced and used in computer science, some of its useful characteristics can be considered in automatic machines. Here, a new approach is introduced that combines new scientific aspects, Object-Orientedness, with a novel and innovative idea of automatic industrial machines. The digital intelligent Automatic fruit (olive) Corer Machine is one of the most important agricultural machines in the olive conservation industry. Variety of olive shapes and types and some of its special properties cause problems in removing the stone of olive. The olive corer machine uses the new approach in designing based on the Object-oriented and intelligent concept to solve this problem. This machine can remove stone from Variety of Olive shapes and types and it can be expanded to other fruits too.