

ABSTRACT

Automation plays an important role in industrial and domestic applications. The purpose of automation is to get higher production rates, efficient utilization of materials, better quality, reduce time consumption and to improve safety. In present days, automation is not only implemented in industrial problems but also in domestic applications. This project describes the application of automation in one of the work in kitchen called onion peeling and cutting. Onion peeling and cutting is one of the fatigues and time consuming job for preparation of food and it is everyday activity in all food processing system. In hotels, hostel mess and restaurants high man power is required for the peeling and cutting the onion and also it consumes more time. On the other hand there is a shortage of workers for these types of works. Hence, there is a good opportunity for the implementation of automation in onion peeling and cutting machine. The objective of this project is to implement the mechatronics approach for automating the onion peeling and cutting operation.

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