

ABSTRACT

AUTOMATIC PESTICIDE SPRAYER FOR AGRICULTURE PURPOSE

Abstract- A robotics-based guidance method is presented to guide a robot platform which is designed independently to drive through the crops in a field according to the designed concept of open architecture. Thus, the robot platform is designed in real time to guide the platform on the basis of detection of crop using Ultra-Sonic sensor. The proposed system is basically developed to implement an agricultural production. This type of system is very useful in agriculture field where we need to spray the pesticide to different crops. This system automatically sense crop of both sides by using ultra-Sonic sensor. Embedded Chip ARM 7 LPC2148 is heart of this work and the system and KEIL C software is used to code the algorithm.



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