



## **International Journal on Recent Researches In Science, Engineering & Technology**

A Journal Established in early 2000 as National journal and upgraded to International journal in 2013 and is in existence for the last 10 years. It is run by Retired Professors from NIT, Trichy.

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**Research Paper**

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ISSN (Print) : 2347-6729

ISSN (Online) : 2348-3105

**Volume 2, Issue 2,  
February 2014**

**DIIF IF :1.46**

**SJIF IF: 1.329**

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### **Autonomous Agrobot for Rice Cultivation**

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Abstract - Robotic agriculture has become a panoptical research field grabbing attention of the researchers across the globe. Of late, engineers have come up with machines meant for agriculture but the success rate does not sound good as the machines' dexterity fails to espouse the real time intricacies. The current trend in robotic agriculture is to design and develop smart appliances that are capable of working in semi natural or unmodified environment. To design and fabricate a robot for performing rice seed planting, nursery plucking, rice transplantation and reaping operations on the field once at a time. So far in markets individual machines are available for performing each operation. This paper aims at combining all these features in a single robot which would be affordable to even a middle class farmer.