GOVERNMENT OF KARNATAKA
DEPARTMENT OF TECHNICAL EDUCATION

GOVERNMENT ENGINEERING COLLEGE

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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Project report

on

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ABSTRACT

As the representation of new concept agricultural machinery, agricultural machines possess great advantages of improving agricultural productivity, enhancing production environment and solving the problem of labor shortage. Therefore, the strategy of application of agricultural machines and precise agriculture to improve the intelligence and information level of agriculture is the inevitable trend for India's agriculture of twentieth century. Based on the development status of agricultural machines in India, the agricultural machines are categorized to perform, the various structures and characteristics of agricultural machines such as vegetable grafting machines, transplant machines, mowing machines, spraying machine, and harvesting machine are amply introduced. But these all are single and different machines.

At present, there are several problems such as low popularization, great limitations, high cost and low intelligence, which greatly restrict the development of agricultural machine in India. Thus, open agricultural machine system with good expansibility, generality and flexibility shall be developed and adopted to decrease its cost and shorten the development cycle of machines. The mechanical structure of machine should also be designed as simple as possible. Our project is best example for this it is solution for all above problems to the some extent. Our project is highly efficient and flexible it can do all the process like, ploughing, seed feeding, water and chemical pumping and crop cutting etc within small amount of time.