

FARMHELP: Real Time Mediator Between Farmer and Service Provider

Subodh Walke¹, Rushikesh Gadge², Shubham Nagargoje³, Rushikesh Rakh⁴, Prof. Shital Nalgirkar⁵
Students, Department of Computer Engineering^{1,2,3,4}
Professor, Department of Computer Engineering⁵
ISBM College of Engineering, Pune, India

Abstract: Several factors have been identified as primary concerns behind farmers' lack of motivation, such as resource scarcity, debts, and marketing challenges. A significant issue currently is the complication arising from intermediaries. To address this, an application has been developed to eliminate the role of middlemen. Effective and efficient agricultural marketing can be achieved through collective and integrative efforts involving farmers, intermediaries, researchers, and administrators. The problems faced by farmers, including financial constraints, limited employment opportunities, and inadequate equipment and machinery, are escalating daily, leading to a significant decline in the agricultural sector. Enhancing the effectiveness and efficiency of agricultural marketing requires a holistic and cooperative approach from all stakeholders. Addressing these increasing challenges is essential to reversing the downward trend in the agricultural industry

Keywords: Scarcity, Collective efforts, Integrative, Agricultural sector, Comprehensive strategy, Cooperative, Intermediaries, Mounting difficulties, Insufficient, financial backing, Limited job opportunities

I. INTRODUCTION

This system proposes an Android application designed to assist farmers in various ways, including finding suitable agricultural jobs, renting necessary machinery at affordable prices, obtaining land on lease, and receiving financial support through investments. This initiative aims to boost the agricultural sector's growth in the country. Agriculture, along with its allied sectors, remains the largest source of livelihood in India, particularly in rural areas, and it makes a substantial contribution to the Gross Domestic Product (GDP). Recently, there has been a noticeable shift among farmers towards using advanced equipment to achieve higher yields with less effort.

However, challenges arise when equipment breaks down mid-task. Our goal is to develop a system that acts as an intermediary between farmers and service providers during such incidents.

Additionally, it will offer a platform where users can rent out their equipment and easily connect with potential customers.