



FINAL YEAR PROJECT REPORT

FARM CONNECT: FOSTERING SEAMLESS CONNECTION IN AGRIBUSINESS

**In fulfillment of the requirement
For degree of
BS (COMPUTER SCIENCES)**

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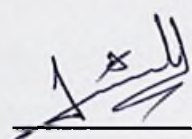
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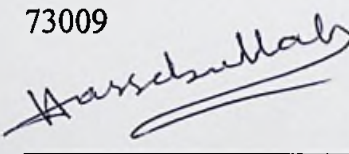
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We hereby declare that this project report is based on our original work except for citations and quotations which have been duly acknowledged. We also declare that it has not been previously and concurrently submitted for any other degree or award at Bahria University or other institutions.

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FARM CONNECT: FOSTERING SEAMLESS CONNECTION IN AGRIBUSINESS

ABSTRACT

Agriculture is the backbone of Pakistan's economy, contributing significantly to its GDP and employing much of its rural population. However, Pakistani farmers face persistent challenges, including dependency on middlemen, limited access to competitive markets, and lack of price transparency. These issues exacerbate financial hardships, making farming less profitable and sustainable.

This report presents the development of an E-commerce auction-based platform Farm Connect, tailored for Pakistani farmers, designed to connect them directly with buyers through a transparent bidding system. Recognizing the low levels of digital literacy in rural areas, the platform incorporates an intuitive voice-assisted interface in local language, ensuring accessibility for all users. The system enables farmers to list their crops, initiate real-time auctions on them, and getting a competitive price for their crops, thereby promoting fair trade practices.

This initiative aims to bridge the digital divide in Pakistani agriculture, empower farmers, and enhance the agricultural supply chain's efficiency and equity. This localized approach ensures that the platform not only addresses systemic issues in Pakistani agriculture but also bridges the technological and accessibility gaps unique to the region. By focusing on voice assistance in Urdu language and, this project sets the stage for empowering farmers and fostering a more equitable agricultural ecosystem in Pakistan.

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