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| **C:\Users\UIIT\Downloads\uaar logo.png** | **Pir Mehr Ali Shah**  **Arid Agriculture University Rawalpindi** | **C:\Users\UIIT\Downloads\uiit logo.jpg** |

**FINAL YEAR PROJECT (FYP)**

**(FYP-I REGISTRATION FORM)**

**Title of Project**

**Agro Edge**

**Project Team**

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| --- | --- | --- | --- | --- |
| **Arid Number** | **Full Name** | **Program** | **Contact Number** | **Email Address** |
| 20-arid-747 | Ali Haider | BSSE-6B | 03469241956 | [alihaiderawan1245@gmail.com](mailto:alihaiderawan1245@gmail.com) |
| 20-arid-773 | Javeria Abbasi | BSSE-6B | 03131570182 | [javeriaabbasi18@gmail.com](mailto:javeriaabbasi18@gmail.com) |
| 20-arid-784 | Mehwish | BSSE-6B | 03171583639 | [mehwisharif212@gmail.com](mailto:mehwisharif212@gmail.com) |

Full Name of Project Supervisor

**Dr. Sadia Ali**

(Designation)

**Assistant Professor**

**UNIVERSITY INSTITUTE OF INFORMATION TECHNOLOGY**

**Project Description:**

Agro Track is a comprehensive web-based project designed to empower farmers with crucial information to make informed decisions. This system consists of several modules that work together seamlessly to provide a holistic view regarding crop prices, weather conditions, dynamic display of price lists and post-harvesting recommendations. By providing real-time data and predictions, the system aims to enhance farmers' productivity and profitability. Agro Track features dynamic displays of fruit and vegetable prices, accurate weather forecasting, and machine learning techniques to predict crop prices for the upcoming month, all accessible through a user-friendly web interface.

**Salient features of the proposed project are:**

**Price Tracking:** With a comprehensive database of price information, users can assess regional variations and make informed decisions based on market conditions in specific areas.

**Price Prediction:** The Crops and Vegetables Price Prediction module employs historical price data, market trends, and machine learning algorithms to forecast price movements in the upcoming month. Farmers and traders can use these predictions to make informed decisions about cultivation and trading activities

**Weather Forecast:** The Weather Forecast module utilizes advanced meteorological data and algorithms to deliver accurate and up-to-date weather predictions for specific areas. By understanding the upcoming weather patterns users can make informed decisions to optimize their agricultural practices.

**Visual Reports:** The Graphical Representation of Prices module provides intuitive and visually appealing charts, graphs, and interactive visualizations of crop and vegetable prices over time

**Recommendation System**: After harvesting, system will recommend specific areas which has higher prices rate of crops and vegetables to farmer so

**User Complaint:** The User Complaint module serves as a platform for users to submit feedback, complaints, or inquiries related to the system or agricultural issues. It promotes effective communication between users and system administrators

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| **Desktop / Web** | **Mobile App** |
|  |  |
| **Future Expansions (if any):** | |
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**INSTRUCTIONS FOR STUDENTS**

**1.** Project Title and Description should be filled by the supervisor and students.

**2.** This form should be filled electronically and submitted in print form.

**3.** Submit duly filled form to FYP Coordinator(s).

**4.** Project once selected cannot be changed without the consent of the supervisor, FYP coordinator and

permission of the Director UIIT.

**FOR OFFICE ONLY**

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| Project Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Signature and Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  FYP Coordinator | Signature and Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Director UIIT |

**Full Name of Project Supervisor**

The User Complaint module serves as a platform for users to submit feedback, complaints, or inquiries related to the system or agricultural issues. It promotes effective communication between users and system administrators