**SPL2 Project Proposal Form, 2024**

**Institute of Information Technology (IIT)**

**University of Dhaka**

| **Student’s Name:** | **Md. Kamrul Hasan**  **Md. Kibria Hossen Roni** | | |
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| **Project Title: Agri Marketplace and community**  **Motivation:**  This software project will make a bridge between health-conscious consumers and organic farmers by providing an online marketplace and also unite experienced and inexperienced farmers in a community. Local farmers will be able to sell their fresh product directly to the people. People will be able to buy fresh healthy products. Farmers can sell their product at a just price without the hegemony of the middle man sellers and will be able to bypass the syndicate. People can order these products at home and save much valuable time. Experienced farmers can share their knowledge with indie farmers on community-forum.  **Project Description:**   * **Normal Requirements**   1. Easy navigation between homepage, marketplace, and community forum.   2. User authentication (login/sign-up) for both consumers and farmers.   3. Clear product listings with images, prices, and production details.   4. Search and filter options for products.   5. Payment methods integration (e.g., Bkash, Nagad, Others).   6. Different account types for consumers and farmers, with dashboards. * **Expected Requirements**   1. Responsive web design for mobile and pc.   2. Secure transactions and data encryption.   3. Delivery method. * **Exciting Requirements**   1. Community forum with comment and upvote/downvote system.   2. Product rating system.   **Strategy & Timeline:** | | | |
| **Languages or Tools to be used:**  Front-end: HTML, CSS, Javascript, React/Angular. Back-end: Python, Django. Database: PostgreSQL/MySQL/MongoDB. | | | |
| **Supervisor’s Name: Dr Md. Nurul Ahad Tawhid**  **Signature of the supervisor:**  **Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | |
| **Before the Midterm Presentation 1:**  I confirm that the progress is satisfactory and I am forwarding it for midterm presentation.  **Signature of the supervisor:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | |
| **Proposal Presentation Feedback (if any) :**  **Midterm 1 Presentation Feedback (if any) :**  **Midterm 2 Presentation Feedback (if any) :** | | | |