**Project Title:**  
**CareConnect:** Bridging Doctors, Pharmacies, and Elderly Patients

**Which real-world problem shall be solved by this FYP?**

This project addresses the challenges elderly patients face in accessing healthcare, including difficulty in scheduling doctor appointments, managing medications, and connecting with pharmacies for timely delivery. Many elderly patients are dependent on caregivers for these tasks, and existing solutions are not fully integrated to simplify their healthcare journey. By providing a unified platform, the project ensures seamless communication between doctors, pharmacies, and elderly patients, improving healthcare outcomes and medication adherence.

**Detail of Project Members:**

1. **Danyal Shah (SP22-BCS-038)**
2. **Talal Hassan (SP22-BCS-029)**

**Supervised By:**  
Mam Maha Rasheed

**Project Streams:**  
☐ Web-based FYPs  
☐ Desktop Applications  
**☒ Mobile Apps FYPs**  
☐ Game-based FYPs  
☐ Hardware-based

**Project Description:**

**Overall Working/Summary:**

CareConnect is a **mobile application** designed for elderly patients, connecting them with doctors and pharmacies for better healthcare management. The platform allows patients to book appointments, engage in telemedicine consultations, and receive prescriptions digitally. Prescriptions are automatically shared with partnered pharmacies, enabling medication delivery to the patient's doorstep. Additional features include medication reminders, health tracking and making healthcare accessible and manageable for elderly patients.

**Modules**

**Modules by Member 1 (Talal Hassan):**

1. **User Profile and Account Management Module:**
   * Each user type (patient, caregiver, doctor, pharmacy) has a tailored profile.
   * Patients can update health preferences, medical history, and emergency contacts.
2. **Pharmacy Module:**
   * Accept prescriptions and track medicine delivery.
   * Notify users when medications are ready for pickup or delivery.
3. **Medication Reminder Module:**
   * Notify patients to take medications on time.
   * Automatically remind patients to reorder medicines before they run out based on their purchase count.
4. **Caregiver Dashboard:**
   * Allow caregivers to monitor elderly patients' healthcare needs, including appointments, medication schedules, and health progress.
5. **Feedback and Review Module:**
   * Enable patients to rate and review doctors, pharmacies, and app services.
   * Collect feedback for improving the app and user experience.

**Modules by Member 2 (Danyal Shah):**

1. **Doctor Module:**
   * Add availability, manage appointments, and share prescriptions with patients.
   * Conduct telemedicine consultations.
2. **Health Records Module:**
   * Enable secure storage and access of patient medical history and prescriptions.
   * Provide doctors with a streamlined view of patient data during consultations.
3. **Medical Report Module:**

* It simplifies complex medical reports by translating technical terms into easy-to-understand language and providing health insights.
* Reduces dependency on caregivers for understanding medical terminology.

1. **Health Insights Module:**

* Tracks patient health metrics such as blood pressure, sugar levels, and physical activity.
* Allows doctors to view health trends for better treatment decisions.

1. **Chatbot Module:**

* Integrates AI-powered chatbot to provide instant support for users.
* Assists in resolving common queries like booking appointments, setting medication reminders, and connecting with pharmacies.

**Were similar FYPs already developed on the same topic in your department?**

**☒** Yes  
☐ No

**Name of similar FYPs:**

Medical Help and Care Center, E-Doctor, Patients Health Care System Through Online Treatment

**New Features in This FYP:**

1. **Integrated telemedicine and pharmacy services.**
2. **Caregiver dashboard for patient health management.**
3. **Health insights for patient progress tracking.**
4. **User feedback and review system.**
5. **AI Chatbot for instant query resolution.**

**Development Environment**

**Tools:**

* **Flutter Framework (Dart):** For cross-platform mobile app development.
* **Firebase:** For real-time database, authentication, and push notifications.

**Database Management System (DBMS):**

* **Firebase Real-time Database:** For secure and efficient data handling.