EC5406 Software Group Project

Department of Electrical and Information Engineering

Faculty of Engineering

University of Ruhuna

Sprint Evaluation 02– Progress Tracker

Tasks Completed Under Sprint 02 – AR Navigation System

1. **UI Updated**

   - Designed and updated buttons for better usability
   - Improved background layout and color scheme
   - Added and aligned the application logo

2. **Camera & QR Scanning Implemented**

   - Enabled camera access in the app
   - Integrated QR code scanner functionality
   - Tested scanning on different QR formats

3. **QR Code & Sample Web Page Created**

   - Generated QR code for *Building B001*
   - Created a sample web page for building rooms
   - Added room names with related images

4. **Backend Initialized (Firestore)**

   - Set up Firebase project and Firestore database
   - Created collections for Building 01 and POIs
   - Connected app with Firestore backend

5. **Post-Scan Actions Enabled**

   - Implemented **Open** option for scanned links
   - Added **Copy** functionality for QR content
   - Added **Share** feature for QR data

6. **ER Diagram Created**

   - Designed entities and relationships
   - Defined primary and foreign keys
   - Mapped database structure visually

7. **Basic AR Setup Connected**

- Integrated camera with AR module

To be completed by the evaluator

Remarks:

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Name of the evaluator

Date and Signature