**Team 1  
Smart Garage System (PentaPark)**

Period: During August.

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| **Member Name** | **Role** | **Task(s) Done** | **Hours** |
| Shrouk Yasser | Hardware & Wiring | Created circuit schematics and wiring using Wokwi and Fritzing, set up ESP32 pin mappings, and ensured correct (sensors, motors, LCD, Led, Buzzer) connections.  + Presentation . | 15 |
| Karram Yasser | Cloud Integration (HiveMQ) | HiveMQ connection to the ESP and Hardware fixing with Shrouk.  +Makket. | 35 |
| Ahmed Hossam | Database & Backend | Database and backend all work and shared with ESP code and HiveMQ With Shrouk and Karram. | 35 |
| Alzahraa Ibrahim | UI/UX Design | Created UI/UX designs for six screens: Login, Registration, Home, Dashboard, Control, and Alerts.  + Video documentation editing. | 15 |
| Abdelrhman Khaled  **(Team Leader)** | Flutter Development | Developed a Flutter app with clean architecture, integrated Supabase authentication & data fetching, connected HiveMQ channels for real-time updates, and managed documentation via GitHub & Flutter docs. | 35 |

**Roles:**

1. Flutter Development

2. Database & Backend

3. UI/UX Design

4. Hardware & Wiring

5. Cloud Integration (HiveMQ)

Team Leader: Abdelrhman Khaled