Group 2:

Team members:

Hoàng Phi Long (Leader)

Nguyễn Đình Phong (Member)

Trịnh Bình (Member)

**Meeting Minutes**

Capstone Project name:

**English**:Design and construction sun drying wet clothes system

**Vietnamese**: Thiết kế và xây dựng hệ thống phơi đồ tự động.

**Abbreviation**: DCDCS.

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| **Date** | **PROGRESS UPDATE** | **PLAN FOR NEXT WEEK** |
| Thu, Week-2 24/05/2018 | * Set up environment: install NodeJS, ExpressJS, React Native. * Writing report 1 | * Research basic classical mechanics, ExpressJS and React Native |
| Thu, Week-3 31/05/2018 | * Finishing writing report 1 * Review mechanics of the system and buy necessary hardware components. * Understand ExpressJs and React Native | * Build rain sensors * Build sample mechanics demo to collect/drying clothes by manual * Prepare for report 2 |
| Thu, Week-4 07/06/2018 | * Complete rain sensors * Complete sample mechanics demo | * Write the report 2 for Capstone Project Document * Apply automation for mechanics * Test rain sensors * Research Solar energy |
| Thu, Week-5 14/06/2018 | * Complete automation * Rain sensors works well and apply it to the system * Complete report 2 | * Implement light density sensor to the system * Implement temperature and humidity to the system * Design database |
| Thu, Week-6 21/06/2018 | * System now can works automatically * User now can track system information on LCD * System now can charges with Solar Panels * Database is designed in ERD | * Write report 3 * Implement RF Remote and Keypad * Show information to LCD * Init API Server and Android project |
| Thu, Week-7 28/06/2018 | * API Server now complete login * Android application now have welcome screen , login screen and basic home screen * System now can control via RF and Keypad | * Build API for user, product, model, message queue, customer * Build user profile screen, detail home screen with pseudo data |
| Thu, Week-8 12/07/2018 | * Android application now can work with pseudo data * API is working and can test via Postman * Complete report 3 | * Write report 4 * Apply redux and redux-thunk to Android with pseudo API and refactor code * Implement authorization to API * Research NodeMCU |
| Thu, Week-9 19/07/2018 | * API now will reject unauthorized request * Android app is now more cleaner * Android app is ready for API | * Apply API to Android * Test API * Test Android Application * Continue research NodeMCU with Wi-Fi manager |
| Week-10 26/07/2018 | * Complete report 4 * NodeMCU now can communicate with server and Arduino * NodeMCU now can broadcast Wi-Fi and allow user to connect to any Wi-Fi | * Write test cases * Write report 5 * Test all components * Design and print PCB Board |
| Week-11 02/08/2018 | * Complete report 5 * Found some bugs when communicate NodeMCU with Android and Arduino * PCB board is done. However, it doesn’t work and breaks some system components. | * Write report 6 * Write paper * Fix bugs * Test overall * Re-design PCB |
| Week-12 09/08/2018 | * System now can works efficiently * Review document and test system | * Review papers * Review document * Write summary |
| Week-13 16/08/2018 | * Review paper and document * Test the system | * Prepare for presentation slide and submit all project |