**Hong Kong Institute of Vocational Education (LWL) Department of Information and Communications Technology**

**Final Year Project (ITP4913M)**

**Summary Report**

**(2019/2020)**

**Automated Data Collecting System for Environment Using UAVs and Smartphones**

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| Supervisor: | Edward Ma |
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| **Student** | **Student No.** | **Contribution to the project (%)**  **(Total 100%)** | **Signature** |
| Wong Ming Yuen | 180275359 | 25% |  |
| Siu Chi Wang | 180042945 | 25% |  |
| Kwok Tsz Lung | 180047074 | 25% |  |
| Chau Yat Sum | 180478187 | 25% |  |

We declare that this is a group project and that no part of this submission has been copied from any other student’s work or from any other source except where due acknowledgement is made explicitly in the text, nor has any part been written for us by another person.

# Tasks List

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| --- | --- |
| **Completed** | **Yet Completed** |
| UI design | Build Drone(all sensors and case) |
| Show drone details | Data visualization with drone details |
| Live streaming | Integrate a mobile application to the system(QGroundControl, open-source) |
| Locate the drone on the map | Keep updating the location of the drone |
| Output collected data by JOSN format | Output graphs |
| Data collection (pm2.5, temperature, humidity) | Data collection (gas, UV) |
| Draw graph by collected data | simplify connection way between the drone and computer application |
|  | Testing |
|  | Document |
|  | Poster |

All tasks will be completed before the end of Sem2.