<THE LCIMU SYSTEM>

MANAGEMENT DOCUMENTATION

Contents

[tomagba@myune.edu.au]

1 INTRODUCTION

The LCIMU management document details the main information required to effectively manage the LCIMU system and application. The LCIMU Management document was created after the system has been built. Its intended audience is the project supervisor, coordinator and all end-line users. This is a brief and concise document aimed at detailing simple ways both the hardware and software make-up of the LCIMU system can be managed over time.

[tomagba@myune.edu.au]

2 MANAGING THE LCIMU HARDWARE

The LCIMU hardware will be managed by following some simple procedures during use. The procedures are:

- The user must ensure that the LCIMU hardware system is utilized within the range or length of the data transfer cables.

- The user must ensure that the LCIMU hardware system is turned off when not in use.

- To replace sub component parts in the future will involve detaching that unit from the entire system before replacement.

- The Velcro straps for holding the individual IMU unit will need to be replaced overtime to ensure that there is ample contact between the body and the sensor.

- Reducing the size of the entire system will involve changing its current packaging to a much more compact casing with ample air flow.

- The USB cable for data transmission can also be replaced over time because of potential wear that it may have been subjected to during activity simulation.

- The system should be kept out of the reach of children and in a clearly marked place to ensure that it's not trampled on or damaged.

[tomagba@myune.edu.au]

3 MANAGING THE LCIMU SOFTWARE APPLICATION

The software application will be managed my pushing future releases to its repository on GitHub (GitHub 2017). As more User functionalities are added to the system, the source code will be updated to reflect the add-ons. Most of these future modifications will be subjected to areas such as developing a local database server for the application and adding more core functionalities to reflect other aspects of the system. These changes will be updated on https://github.com/DrewOma/dragondada .

MANAGEMENT DOCUMENT APPROVAL

The undersigned acknowledge they have reviewed the *LCIMU* **Management** document and agree with the approach it presents. Any changes to this Requirements Definition will be coordinated with and approved by the undersigned or their designated representatives.

Signature: _____ Date: _____

Print Name: _____

Title: _____

Role: _____

Signature: _____ Date: _____

Print Name: _____

Title: _____

Role: _____

Signature: _____ Date: _____

Print Name: _____

Title: _____

Role: _____

[tomagba@myune.edu.au]

REFERENCES

GitHub (2017). Learn Git and GitHub without any code!

Appendix A: Key Terms

The following table provides definitions for terms relevant to this document.

Term	Definition
LCIMU	*Low Cost Inertial Measurement Unit*

[tomagba@myune.edu.au]