MAKERERE UNIVERSITY

COLLEGE OF ENGINEERING DESIGN ART & TECHNOLOGY

TOBIAS NEWMAN MUHANGUZI

COMPLIANCE REPORT FOR "DEVELOPING A MODULAR AND ADAPTIVE POWER ELECTRONICS SYSTEM FOR ENERGY CONSTRAINED AUTOMATIC WEATHER STATIONS"

No.	COMMENT BY THE SCHOOL OF ENGINEERING - HIGHER DEGREES COMMITTEE	HOW IT HAS BEEN ADDRESSED	PAGE AND OR REFERENCE
1.	Advised to consider including how to verify accuracy of the data collected by the sensors	The proposal included developing the PCBs then assembling, but I have included development of two prototype boards. To modify the PCBs before printing and assembling. Accuracy will be vigorously tested with one prototype acting as a control.	Page 4, section 1.7.1
2.	Review objectives - First design before simulation	This was addressed by re-stating objective one. I will design then simulate.	Page 3, section 1.3.2, Objective 1
3.	Objectives need to be reviewed	Where reduced to only three, and re-stated for clarity	
4.	Scope seems to be big, Should have a clear idea of where to use GSM, LORA, Bluetooth etc. and justify why all these technology types are being considered.	I have reduced the number of boards to two from three, the sensor nodes are combined with the gateway and are not wireless. Rural/remote areas usually have a dominantly GSM Network, but LoRa is included for long distance low power	Depicted in a block diagram on Page 6 and 7. Also Page 4, section 1.5 justifies the multi-protocol communication.

		communication, WiFi and BLE are for onsite communication. The tasks were adjusted to speed up the development, the project funders provided money in time, PCB designs, and prototyping were done in time. I am left with Firmware and PCB Modification then deployment, and evaluation.	

Prepared By:	Approved By:	Approved By:
Tobias Newman Muhanguzi	Dr. Roseline Akol	Dr. Mary Nsabagwa
……	……..	……..
Signature	Signature	Signature
Date: ……..	Date: ……	Date: ……