

# Student's Weekly Progress Report

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**Course:** Bachelor of Science in Software Engineering

Report Date	Date Submitted	Task Completed	Task in Progress	Next Week's Task	Problems / Challenges	Field Supervisor Comments
23-06-2023	30-06-2023	i wrote the code that registers interns into the iot-ra system. this website is built using laravel framework and uses the mysql databaseto store the all the site data.	i am entering the interns into the database to appear on the iot-ra website. all these interns and their details now appear under the iot-ra.net website you can browse (www.iot-ra.net/about#interns) to see all the interns.	Read documentation on wimea, about the automatic weather station, assemble components and be ready to assemble for field in the coming weeks.	delay to register interns due to some code issues. there are bootstrap links that did not provide styles so i had to opt for offline bootstrap styles.	
30-06-2023	30-06-2023	registering the interns into the iot-ra website, all their details and bios.	Read Documentation on Wimea ICT and assemble the automatic weather station components.	Reorganise Display Hive Data to enable choosing of Hive ID, Display format, and duration in one place on the ademnea.net website	i read all the documentation and i agree this was so insightful however, i did not get a chance to touch and assemble the physical circuit boards and sensors to capture the weather data.	

07-07-2023	07-07-2023	Reorganise Display Hive Data to enable choosing of HiveID, Display format, and duration in one place	Read Documentation on WIMEA-ICT and work with Daniel to assemble some nodes and one gateway	wimea.mak.ac.ug website . find out why the links are broken Include and organize Farm, Farmer and Hive CRUD operations Deploy developed responsiveness	For the first task, the major challenge faced here is that I have not interfaced with the actual hardware components. I managed to talk to Daniel to help and provide an entire walkthrough, from acquiring the brand new boards to software installation on them and integration, to sensor connection and finally providing data values. He only told me to read more, which I still have been doing. I had challenges understanding the ademnea.net code, and we uncovered some issues which also got in my way to complete the task. Constant updates on IoT-rs which previously were not being documented got into the way always and I had to solve them. From this week on, they will be documented.	
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14-07-2023	14-07-2023	Farmer owner dropdown for adding new farm on ademnea.net (admin side). Weekly maintenance of content updates on website iot-ra.net, i added functionality for entering projects without pictures, and styled the projects to look a little better and not overlap. when entered by an admin.	wimea.mak.ac.ug website . find out why the links are broken. This task is incomplete. Deploy developed responsiveness. On ademnea.net Gallery functionality, this task is not done	Weekly maintenance of content updates on website iot-ra.net. Deploy developed responsiveness. On ademnea.net Gallery functionality. On ademnea.net Redesign farm , farmer page and logic on ademnea.net	Doctor Mary Nsabagwa and I faced an issue trying to find out the issue with broken links. On wimea.mak.ac.ug. This raised a server issue and we could not continue but had to wait for the server to first be fixed. I had challenges understanding the ademnea.net code, and we uncovered some issues which also got in my way to complete the task. The CDU Operations task was far bigger than we imagined because all the site backend logic and functionality has issues and isn't working at all. So this is my task for next week.	
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21-07-2023	21-07-2023	Weekly maintenance of content updates on website <a href="http://iot-ra.net">iot-ra.net</a> . Under this, I redesigned the news page on <a href="http://iot-ra.net">iot-ra.net</a> , to show articles. I removed the ongoing and past categories on projects page as advised by Doctor Julianne. I made it possible to capture several pictures about a news event. Redesign farm, farmer page and logic on <a href="http://ademnea.net">ademnea.net</a>	Deploy developed responsiveness. On <a href="http://ademnea.net">ademnea.net</a> .	Gallery functionality. On <a href="http://ademnea.net">ademnea.net</a>	We faced issues trying to collaborate on github, where we lost changes and it became hard to make continuous progress. Some tasks like deployment, could not be done before other team members are done making their changes. So these tasks had to wait. My machine broke down and had to cost me a full day (thursday 20th), besides a fully week of non-efficient work with it. I however got it fixed on the same day.	
28-07-2023	28-07-2023	Weekly maintenance of content updates on website <a href="http://iot-ra.net">iot-ra.net</a> . Under this, I redesigned the news page on <a href="http://iot-ra.net">iot-ra.net</a> , to enable displaying multiple pictures that were captured last week. I designed the entire gallery on <a href="http://iotra.net">iotra.net</a> and it now shows all pictures on the site, in all categories	Designed the gallery on <a href="http://ademnea.net">ademnea.net</a> also, although not yet deployed online.	Make research on mobile application development. Follow up on the wimea server issues with Doctor Mary Nsabagwa.	I lost a close relative and I had to travel to western Uganda for the burial, taking off two solid days. Traveled on Monday evening, buried on Tuesday and returned on Wednesday in the evening.	

04-08-2023	04-08-2023	Weekly maintenance of content updates on website <a href="#">iot-ra.net</a> . Under this, I have resized the picture resolutions on <a href="#">iot-ra.net</a> website. I finished up on the gallery design on <a href="#">ademnea.net</a> and pushed it to my github branch. I have done some research on mobile application development using flutter.	Github branch merging and Gallery deployment on <a href="#">ademnea.net</a>	Make research on mobile application development. Follow upon the wimea server issues with Doctor Mary Nsabagwa. Assemble nodes on the wimea-ict gateway	Lack of internet connectivity on monday 31st, disorganized the whole day. It was hard to meet and talk to my field supervisor Dr Mary because she was not available at the lab within the week.	
11-08-2023	11-08-2023	Weekly maintenance of content updates on website <a href="#">iot-ra.net</a> . Under this, I have enabled editing of a project which wasn't available previously. Added links given to me by Dr. Julianne Sansa. Further research on mobile application development using flutter.	research on mobile application development using flutter maintenance of the <a href="#">iot-ra.net</a> website.	Make more research on mobile application development. Review and recommend improvements for site aesthetics for <a href="#">ademnea.net</a> Routing for hive ID Redirect links to their respective pages Work with Alvin to enter photos for Rwanda event Follow up on the wimea server issues with Doctor Mary Nsabagwa. Assemble nodes on the wimea-ict gateway	Issue with the emulator. it was very hard to set up a mobile emulator, but even then, it wasn't working really well. It was hard to meet and talk to my supervisor Dr Mary because she was not available at the lab within the week.	

18-08-2023	18-08-2023	<p>Weekly maintenance of content updates on website <a href="#">iot-ra.net</a>. Under this, I have categorized the team under senior researchers, phd and masters students, admins and interns. Further research on mobile application development using flutter. Worked with Mr. Alvin, an admin at the lab, to enter new events. Next week's tasks:</p>	<p>Make more research on mobile application development.</p>	<p>Make more research on mobile application development. Review and recommend improvements for site <a href="#">astheticsforademnea.net</a>  Routing for hive ID  Redirect links to their respective pages  Follow up on the wimeaserver issues with Doctor Mary Nsabagwa.  Assemble nodes on the wimea-ict gateway</p>	<p>Issue with the internet. Internet was on and off at the lab, which made it hard to do more research. Doctor Mary was busy so I couldn't work on the tasks that require her presence.</p>	
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