

EE/CprE/SE 492 WEEKLY REPORT

1/27/24 – 2/10/24

Group Number: 45

Project Title: Skin Cancer diagnosis using Artificial Intelligence on the Cloud

Client &/Advisor: Ashraf Gaffar

Team Members: Megan Eberle, Evan Nim, Alexander Lafontine, Abigail Thompson, Bariture Ibaakee, Breann Grant

- **Weekly Summary**

- We had our bi-weekly meeting with our advisor. A good goal for us to have is to have a draft and our backend deployed on the cloud by the next meeting.
- We have done some more testing with models.
- The group has been reading HIPAA and FDA requirements and how to follow those regulations. Our advisor and professors have also told us that it is important to do this and understand how to follow the regulations. There will be a lot of documentation.

- **Past week accomplishments**

- Research toward HIPAA and FDA requirements were made. Given the regulations researched, we plan to have more documentation, planning, and coordination within our project so we can demonstrate that it is viable.
- We are now focusing on a backend deployed on our cloud environment as the next step in our project.
- Along with documentation we plan to create a user guide for our project so that users of the application can have a better understanding as to what it's doing.

- **Pending Issues**

- We need to be achieving a 90% accuracy in our training sets with our model.
- Our model needs to be compared with other models similar to ours.
- Backend deployment needs to be done on our cloud.

- **Individual Contributions**

<u>NAME</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Megan Eberle		
Evan Nim	3	5
Alexander Lafontaine	5	8
Abigail Thompson	2	4
Bariture Ibaakee	2	3
Breann Grant	2	4

- **Plans for the upcoming week**

- Training models
- Backend deployment on cloud
- Test different cloud environments

- **Summary of weekly advisor meeting**

- Our advisor recommended creating a user guide as another addition to our project.
- We need to discuss as a team whether we want to do a conference paper with the other team.
- Our backend needs to be deployed on the cloud and we should have a draft by our next meeting, February 20th.

