# **CHAPTER 5**

# **SUMMARY, CONCLUSION AND RECOMMENDATION**

**5.1 SUMMARY**

E-learning is currently one of the fast-growing learning patterns now due to the rapid technological advancements made especially in ICT. Disappointedly, the under-developed countries higher institutions are yet to fully adopt adaptive e-learning solution that allows students configure the way resources are presented to them, thereby making learning process fun and effective for the acquisition of Education, knowledge, skills and training. The failure is partly because of the inadequacy of the required infrastructure and the improper attention given to its impact.

This project focus on solving real life issues with Educational Machine Learning. The basic idea of the solution in learning is to give students the ability to modify the presentation of  
material in response to their individual preference and performance. It was designed to serve as a data bank for students in computer science department. The solution ensures the users can easily navigate through the website, easily access key features or activities and provide a good look and feel.

**5.2 CONCLUSION**

After several quality assurance tests, the developed solution has been confirmed to have achieved all set aims and objectives which includes reducing the cost of study and improving course delivery flexibility which involve tailoring the learning process to the individual student’s style.

If this project is properly implemented and handled, it will promote the image of the institution and improve the quality of service the institute renders to students. It will also serve as an outstanding example to other institutions and even to the indigenous tertiary institutions

**5.3 RECOMMENDATIONS**

For the developed solution to be a hundred percent effective and efficient, the following are recommended:

* Provide the solution with more relevant resources
* Hosting the solution on a cloud infrastructure such as Google Cloud
* Updating necessary data required by the system
* Constant maintenance and upgrade when necessary

**5.4 FUTURE RESEARCH**

The major further research work on this web application will be to integrate other form of authentication system like image password and integrating it to the school portal so as to allow students login with their normal school portal school login credentials instead of having to create an account on the developed solution