2.5. Technologies Utilized  
The construction of the facilities management system required the implementation of  
several technologies, including multiple software frameworks, and reliance on hardware  
resources to aid in the function of the system.

The creation of a undergraduate curriculum calendar generator requires different software frameworks and reliance on hardware to aid in function of the system.

Construction of the   
2.5.1 Software Utilized

The main system for the undergraduate curriculum calendar generator was programmed primarily in Python. Web elements will be handled using Flask, a microframework. XML processing and management will be handled via the Python native library ElementTree XML API, and this report was generated using Microsoft Word. Communication across team members is handled via Google Workspace with GitHub used as the central repository across team members. StarUML will be used for the diagram creation.

For the infrastructure, we are using Amazon Web Services (AWS).

-AWS hosts the application and uses Amazon Elastic Cloud Compute Capacity (EC2) to generate a VM to run the software.

○ Operating System: Ubuntu Server (Version tbd)

* Python version TBD
* Flask version TBD
* ElementTree XML version TBD
* Reverse Proxy,type to be determined
* DNS to be determined

2.5.2 Hardware Utilized

All hardware is managed by AWS and EC2.

See Software Utilized above.

2.5.3. System Architecture Diagram

