**4. TECHNICAL PROCESS**

**4.1. Methods**

Identifying and justifying the plan for the e-commerce application

* Gather information and data needed.
* List down the application requirements in order to align with the business.
* Analyse the application carefully to make sure user can get the benefits.

Design the architecture of the system

* Get know the business goal and vision.
* Develop the plan from the data gathered.
* Identify the hardware and software the system required.

Coding the system

* Program the application according to the plan.
* Compile the coding.
* Make the code and software neatly arranged.

Installing, executing and testing in the real device

* Run the software in the selected hardware.
* Connect it to the database.
* Usability testing. The quality of the software is tested according to the user satisfaction.

Maintenance and update

* Repair and update the software continually.

**4.2. Tools and Techniques**

The computing system

Core i3 CPU, minimum 1 GB RAM, Windows 7 and above.

Software tools

Eclipse, MySQL, Adobe Dreamweaver, Adobe Photoshop