Chapter 3

Methodology

This section describes that the development plan of Breast Cancer Detector Software-CBR will be using the method development Life Cycle (SDLC).

3.1 Introduction.

The purpose of this study is to develop a software that will be used by doctors who expertise in cancer breast. This software will make doctors easier to find a case based on old files that have the same cases as the new patient. This will show that patient on what stage of cancer based on old patient record. In the process of developing a software, we need some methodology to make the software more better and create like a planned. Methodology is about the planning the process to develop the software product. Methodology can be used to know the cost will be used, hardware and software will be used, achieve goal in time and so on. The purpose of this chapter are to describe the flow of research that will be made.

The data from past patient or old record can be useful to find the level of cancer new patient by calculation of case based reasoning.
Flowchart of the research

1. **Start**
2. Study Breast Cancer case problem
3. Study AI technique (Case-Based Reasoning)
4. Get the Old Patient Data/Record(Breast Cancer)
5. **Develop Prototype**
6. **Test Prototype**
7. Repair Error
8. Complete
9. **End**
3.2 Methodology.

For the software development methodologies, I use the custom methodology because to make sure my project to be plan efficiently.

3.2.1 Proposed Methodology

3.2.1.1 Steps Involves In Methodology(Analysis)

Figure 2: Flowchart

Figure 3: Phase of Methodology