**Analysis of natural environment:**

Our software in a web-based system. It is a custom application only made for certain doctor or hospitals. The system parts have several kinds of interactions and those interactions are both serial and concurrent. The system needs to communicate with the database in order to functioning. So, it is a complex but less dynamic application based on database where many things are being done at the same time. Besides the system can be divide into several mini system. So, we need to choose those software development process that are good for stable environment, allows incremental release of the system. We also can choose agile process that is lightweight, requires small group and.

So by analyzing the nature and environment of our software and taking our group size and experience in consideration, we can say the best suited methods to develop our software would be incremental development of plan driven process and extreme programming of agile development process.