CHAPTER 3

METHODOLOGY

3.1 INTRODUCTION

This chapter portrays the approach used to direct this study. Methodology is the investigation of an efficient process to recognize and summarize the arrangement of targets and strategies to alter, gather, and compute to discover a solution. In addition, this target tries to make a Dual Function Mouse and every process is to create, including a discourse of the strategy utilizing a system which is utilized to venture the arrangement tree. This approach is a procedure, benchmarks and rules to be taken after plainly included in creating a product or programming. The present study is made out of similarity could be in a predetermined time.
3.2 PROJECT METHODOLOGY

The methodology is essential when creating particular project. It is a pointer that can influence the general advancement of the task. An utilization of fitting procedure can control the designer through the whole work to address the issues of client. There are various sorts of systems that have been made via specialists, for example, the Rapid Application Development (RAD), it is the system development life circle (SDLC), waterfall model, structured systems analysis and design method (SSADM) and others.

To achieve all objectives for project Dual Function Mouse, the Rapid Application Development RAD model is the main methodology used in order to develop the system. The stages include: (1) Requirement Planning Phase, (2) Project Design Phase, (3) Development Phase, and (4) Implementation Phase. Figure 3.1 below is a software process model used to represent the different stages in software development in RAD.

![Figure 3.1 RAD model]
3.3 SYSTEM ANALYSIS

Meaning of necessities is the most critical piece of this task. Need a clarification of what the framework ought to do. For this situation, the product's general structure and degree characterized and useful and non-practical prerequisites, what of the innovation, the basic outline of all the deliberate information for this situation.

The advancement of an instrument utilizing this computer's mice will be the start of the task by the test arrangement. Examination needed for this part will help to guarantee that purchasers comprehend the framework prerequisites either the client or the framework side. For this situation, the issue must settle the characterized venture. The most recent circumstance is dissected, and the objective of this task ought to be chosen.

3.4 SYSTEM PLANNING

The System Planning stage begins from characterizing the issue and extent of the venture. This movement is essential in giving the arranging stage. Plus, the following stride in this stage is to make the task plan so that the venture can be done legitimately. A point by point timetable utilization with errand and the action of portable cultivating framework is show in Gantt chart. The Gantt chart will be to apply in Microsoft task and it will be referred through the work and the time it will take. Additionally, it is to encourage and satisfy client needs completely. The strides taken are;

i. Using a string of innovative offices or exploration through the web to get more data about the framework to be produced

ii. Use systems for speaking with others to get more thoughts and new routines for experienced individuals as chiefs, instructors, architects and others to build up the project.