5. SIMULATION TOOL AND METHODOLOGY

5.1 Introduction

As such there is no tool for performance of proposed algorithm testing. So for the testing of performance of proposed algorithm made a simulator in JAVA. Java originally started life as a language called Oak. The 'Green Project', which developed Oak, was launched by Sun in 1991. Patrick Naughton, one of the project engineers, defined it as an effort to "do fewer things better". Oak was originally designed with PDAs (Personal Digital Assistant) and set-top boxes for interactive television in mind, but after several unsuccessful years, it was realized that many of the requirements of these products and the emerging WWW were similar. Development was shifted to reflect this, and a new web browser WebRunner (later to be renamed HotJava) was developed in 1994, with the alpha version of Java being released in May 1995. The Java language has undergone several changes since JDK 1.0 as well as numerous additions of classes and packages to the standard library. Since J2SE 1.4, the evolution of the Java language has been governed by the Java Community Process (JCP), which uses Java Specification Requests (JSRs) to propose and specify additions and changes to the Java platform. The language is specified by the Java Language Specification (JLS); changes to the JLS are managed under JSR 901.

In addition to the language changes, much more dramatic changes have been made to the Java class library over the years, which have grown from a few hundred classes in JDK 1.0 to over three thousand in J2SE 5. Entire new APIs, such as Swing and Java2D, have been introduced, and many of the original JDK 1.0 classes and methods have been deprecated.