We are thinking to develop two different web applications Shopping cart and hospital management system. After developing the web application, we would perform unit testing, automation testing on the web applications. We would generate all the test suites. We would perform this testing using Selenium IDE and Selenium Web driver, which are parts of a famous automation tool named selenium. Selenium is a portable software testing framework for web applications. Selenium provides a record/playback tool for authoring tests without learning a test scripting language. WebDriver is a tool for automating web application testing, and in particular verify that they work as expected. It aims to provide a friendly API that’s easy to explore and understand, which will help to make your tests easier to read and maintain. It also provides a test domain-specific language (Selenese) to write tests in a number of popular programming languages, including C#, Java, Php, Python, Ruby, Scala, Groovy.

This Selenium tool is used by most of the companies worldwide for automation testing. This is the reason why we chose Selenium for our project.

There are three phases in this project:

- **Phase-1:** Learning to use Selenium and Developing the web applications (Shopping cart and hospital management system)
- **Phase-2:** Testing the web applications using Selenium IDE and Web driver.
- **Phase-3:** Understanding the Tool and exploring new tools in the field of automation testing