# CHAPTER 4

# SYSTEM REQUIREMENTS

**4.1 SOFTWARE REQUIREMENTS**

OS : Windows

Tools : Python IDE, Eclipse IDE, MySQL Work Bench, LabVIEW.

**4.2 HARDWARE REQUIREMENTS**

RAM : Minimum 16 GB

PROCESSOR : Intel i7

MEMORY : Minimum 100 GB

GRAPHICS : 8 GB NVIDIA 1080 Ti.

**4.3 TESTING PLATFORMS**

* PC
* Android

**4.4 LANGUAGES**

* Java
* Python
* G
* SQL
* PHP

**4.5 USERS OF THE SYSTEM**

The end users are the police forces from various Police Departments,who will be able to use the App as a Digital Information Provider that provides details of criminals who are going to commit a crime in future along with the criminal and location details. A special level of authentication is provided to this Application as it involves details of criminals which has to be saved securely.

**4.6 FUNCTIONAL REQUIREMENTS**

The Police Officer should provide valid inputs while registering for the first time. After signing up, only when the police knows the exact procedure to sign in, only the he will be authenticated, else he will be mislead to another page.

**4.7 NON FUNCTIONAL REQUIREMENTS**

The system provides the solution for the problem in finite amount of time. Here, the problem refers to if the system crashes or if there are no values to be displayed (Null Exception), then necessary Exception Handling methods are provided. The User (Police Officer) can also provide feedback about various bugs they come across during runtime.