**Chapter 3**

**Requirement Specification**

**3.1 Functional requirements**

Parse the Location function will run the device for every fixed interval of time to read the input from the GPS receiver and get the location data. On receiving the time stamp from the server, it knows that the location data has been logged for the said time and stores the location data received to the table. And allows the user to get the current location of the animal or the location at a given time.

**3.2 Non-Functional requirements**

Non-Functional requirements are incredibly important because they define the operational characteristics of a system. Animal tracking system includes performance, stability, security, maintainability. The Non-Functional requirements ensure that the system delivers the functions for which it was defined.

**3.3 Software Requirements**

* Language: C#
* Operating Source: Windows 7,8,10
* Back end: MySQL

**3.4 Hardware Requirements**

* Processor: Intel ® core ™ i5
* Hard disk: 1TB
* RAM: 4.00 gigabytes