2.3 Specific Requirements

The whole of this project work will be developed using the OMNeT++ simulator which uses the NED language for the purpose of the development of the network and the C++ language for the module definitions. So the specific requirements for this project work are :

- OMNeT++ version 3.0
- Microsoft Visual Studio.
- Windows XP or any compatible Operating Systems.

As an end product the algorithm developed by us will be implemented in mobile or other embedded devices operating under a wireless and mobile atmosphere. In that scenario the whole internal working will be abstracted from the actual users of the product and it is of no importance for them to understand the specific requirements of the programs executing inside their devices.

2.4 Performance Requirements

The algorithms developed are purely based on a wireless domain and will be implemented on embedded devices as an end product. So it is not our concern about the performance of the embedded devices which is rather a concern of the company who will be implementing this technology in their products. For the purpose of development the only performance requirements are related to the specific software requirements mentioned above and a system which is capable of smoothly running these above said softwares is good enough for the project members to work on the proposed algorithms.

2.5 Design Constraints

The OMNeT++ simulator is used as a visual aid only and can never bring in front of our eyes the actual scenario where millions of nodes exist in a single Ad Hoc Network. So, we must have this thing in mind that there exists a close approximation between the actual simulations developed and the practical measurements.