**2.1.2 Methodology of the project**

The aim of this project was to develop a system that could handle and manage the activities involved in a hotel in an efficient and reliable way such that any browser could access the service on any platform. On the basis of drawbacks and shortcomings identified in the existing hotel room reservation systems, the solutions have been provided for better management.

* Developers visited a few hotel and restaurants to understand the existing system-architecture for online booking services. Some of them, for example, Rupakot Resort, has an online reservation system that might lead to online fraud.
* This project uses a number of languages like HTML, CSS, PHP, MySQL and JavaScript.
* HTML, CSS JavaScript have been used the front end programming.
* PHP is the scripting language i.e., the language that reacts only when an event is triggered.
* MySQL has been used for the database.
* MySQL server has been used.
* Paypal Sandbox Environment has been used for online transaction.
* No templates like Bootstraps have been used for the development of this project.
* The logo and the social-network site accounts used are authentic and have no copyright issues.
* Most of the images used in the project were captured by the developers during field visit at different hotels while some were randomly taken from the internet and the developers hold no credit.