**ABSTRACT**

Latest IT infrastructure is not able to give a clear picture on how to put an interface between the Virtual Machines and their owners and so the customer about the billing system and controlling or configuring the VM. This project mostly deals with a dynamic website to track the utilization of Virtual Machines. It is an interface for user/organization and their assets which tells and governs the informationand statistics about the usage of Virtual Machines or Infrastructure which they hold. Working and operation of this project is simple. When any user logs in into the website, it will show all the attributes and characteristics from the database of the VM they own. User can switch ON/OFF their VM according to their use and check the cost generated which is based on time elapsed and per hour cost The functionalities provided in the website is login or signup for new user, user profile which gives brief introduction of the user , VM configuration which the user holds, powering ON and OFF of the virtual machine , start timer and stop timer while powering ON/OFF of the VM respectively, the cost generated which is calculated by the elapsed time and lastly logging out from the session. In addition, the user will be alerted about his usage by SMS and E-mail. By using this software, user can easily use the VM whenever required and even check the usage and charges applied for it.

Keywords : VM (Virtual Machine), CPU(Central Processing Unit), RAM(Random Access Memory)

**Services used in Bluemix :**

**1.ClearDB [ Database ]**

**2. Language Translation (Watson)**

**Main Application : Virtual Server Track**

**Co-application : phpMyAdmin ( Uses ClearDB services )**