**Context Aware Computing Report**

In this paper we define the background of Context Aware Computing Applications as how it has its roots in mobile distributed ubiquitous computing and how new applications are created seamlessly in human environments understanding their context. It also discusses how we can define the context with respect to the situation in an entity. It describes how an entity can be categorized by the situation of who, what, when and where. It also depicts how Context Aware Application runs with respect to various contexts using a mobile device. It also discusses some of the examples of the Context Aware Applications .The Context Aware Computing is depicted using a device called PARCTAB a wireless, palm-sized computer. The Context Aware Computing Applications can be categorized into four types of Application types: Proximate Selection, Automatic Contextual Reconfiguration, Contextual Information and Commands, and Context-triggered Actions. Each of these application types is prototyped using the PARCTAB instances. It also describes the challenges faced by each of these application types. Over all it describes the challenges faced by the Context Aware Applications as to how to represent context internally, the frequent changes effecting the context information. It also gives some of the detailed references from where these Context Aware Computing Applications information has been extracted. Thus the Context Aware Computing is a more interesting area for research in the future days.