**Applying Augmented Reality Technology in Bangladesh Map**

* 1. **Overview :**

Augmented Reality (AR) is one of the latest technologies that offer a new way to educate student by enriching that quality of teaching and learning experiences (Nincarean-2013). Augmented Reality technology overlays computer generated information onto a live view of a real environment. The transformation of learning caused by Augmented Reality provides exciting opportunities to build learning environments that are engaging, realistic and fun. Augmented Reality (AR) deals with the combination of real world and computed-generated data Virtual Reality (VR).Virtual Reality (VR), where computer graphics objects are blended into real footage in real time (Azuma-1997). Virtual Reality (VR) such as 2D, 3D, animation, text or audio-visuals can be superimposed on the user interface corresponding to the unique markets with the aid of Augmented Reality (AR).Therefore, Augmented Reality (AR) supplement reality, rather than completely replacing it (Azuma, 1997). Augmented Reality (AR) only partially immersive, augmenting the user real world’s with virtual content. Virtual Reality (VR) technology especially popular in the gaming industry and for training and practice session.

Map are the tendency to move from one place to another. Maps present information about the world in a sample, easy way. It helps provides us to identify places and locations in a region that helps to find from one place to another. Maps appear for the real world on a much compact scale. They helps you travel from one location to another location. They help you arrange information. Maps is a major part of our day to day lives. We utilize for driving directions. There are more uses of maps such as we can obtain inform that where is the specific country or city. We can suffer calculates country’s local time with regard to Greenwich meantime (GMT). Tourist maps carry out numerous functions mast important of which are: supplying information for their users about tourist location, geographical space and going around the area, making the choice of the visited tourist area and in planning the journey. Here’s how map reading helps you while travelling to and within a brand new place such as avoids confusion, saves time, better safety etc. Each and every place may not be equally safe. Confusion concerning which way to go are common while in a brand new place within a guide .If the map is an interactive one, it is more natural for the user mainly if he driving lonely .the waste of time in all such activities can be removed by having the right map of the place to guide you.

Augmented Reality (AR) is the natural, real time, dynamically covering virtual images created by computers and other information on a real environment that the spectator can see. The application is designed for tourist spot and has been tested on Bangladesh map. This application draws a 3D model of tourist when the design of the place is detected. Particularly, this application has unique markets that give the people and idea about their tourist place, and events through audio-visual clips. There has been a similar application before for the research, mobile guide to Augmented Reality for campus of the Autonomous University of Nayarit (Solis et al.., 2016) that display the location of the classroom, department and friends. Also this application easily identify, which place is better to go easily we are understand. Basically this application created for foreigner, tourist people. Because they does not know tourist spot in our country. Tourist spot can be easily found through Augmented Reality maps.

The purpose of this research is to apply a scientific approach that would display dynamic object and data derived from the domain of Augmented Reality. Computer, smartphones are required by the users to use this mobile Augmented Reality system. A smartphones are is a cellular camera phone with an integrated computer that can be used to develop applications for its operating system like Android OS. For this research, only Android OS is targeted as it is used worldwide and it supports language such as (C++ and Java) which market is easier to integrated modules into a tracking library for the system.