PROPOSING MMABOAR: MIND MAP APPLICATION BASED ON AUGMENTED REALITY

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Abstract: This paper discusses about the field of augmented reality which covers its wide area as an example applications based on AR and different types of technologies used in AR as like tracking technology, display technology and interaction technologies. This paper gives a new idea based on mobile AR (Augmented Reality) application that is named as MMABOAR (Mind Map App based on Augmented Reality) whose main purpose is read all mind vibrations or mind thoughts. The main motive to design such kind of app is to provide a way to communicate with mentally disabled persons and utilize their past experiences and knowledge in current running projects of research. By utilizing such kind of knowledge or intelligence they can also individually contribute for discovering new India. The working of this new designed mind app is based on the way of touching of that app icon. Once that disable person touch that particular app then it will sense or read(or record or save) the complete knowledge in your phone memory backup. And once the backup is created then you will use that past knowledge or experiences anywhere, anytime in future. This paper also discusses about some new techniques suited or uses by the developers in mobile AR. Hence, this new designed app may provide us a new type of learning platform (NTOLP) through mentally disabled persons or mentally retarded persons. In short, this mobile learning helps to create a real learning environment, which will greatly improve the efficiency or effectiveness of learning.

Keywords: Augmented Reality, Learning Platform, Mobile learning, Mind Map Application, programming, software development and AR Toolkit.

I. INTRODUCTION

The study of augmented reality tells about the cyber physical system visualization and interaction challenges in multiple domains including medicine, construction, advertising, manufacturing and gaming technology. The purpose to utilize this concept is to merge physical world with the virtual world[5]. Several different types of technologies [10] as like AR interaction technologies, AR display technologies and AR tracking technologies as shown in figure 1, 2 and 3 [14]:

![Figure 1: Types of AR Interaction Technologies [14].](image1)

![Figure 2: Types of AR Display Technologies [14].](image2)

![Figure 3: Different types of AR Tracking Technologies [14].](image3)
Augmented Reality is to collect or gain more efficient projects. The major benefit to utilize this concept of computer system and further utilize in different research then users can save this backup in phone memory and discovering new India. Hence, once the mind file is created, knowledge, past experiences and intelligence for methodology is utilized mentally disabled persons (Mental disabled person). The main significance to design a new or thoughts present in specific person mind. (Mentally disabled person) based application is to read and record the mind vibrations simple touch icon. The main function of this mind map working of this new designed application is based on the intelligence in current running research projects. The mentally disabled person’s experience, knowledge and their mobile experience [1] and provides more interactive multimedia objects interaction experience in the era of education that ultimately helps to change the phase of learning in class room [2]. In this way, as named by authors this next interface step of augmented reality provides new world of entertainment as well as massive computing [3]. Hence, Augmented Reality planners provide a new method of learning from the surrounding and collect different types of information from different aspects[16].

II. RESEARCH DESIGN

Different types of technologies uses in AR (augmented reality) are discussed in this paper. This new designed mind map app based on augmented reality helps to provide a mind back up of any mentally retarded person or any disabled person. The main benefit to design such kind of app is to utilize the past experiences and knowledge of mentally disabled persons as like scientists or researchers in the current research scenarios. This type of new enhancements in AR will then respond to new market opportunities that are yet need to be explored. The next generation mobile devices anticipate a horizon of adoption of AR as a mainstream technology. In short, AR provides that much potential direction for upcoming research (further research or future research).

IV. FUTURE SCOPE

In future, this work will extend for developing mind thought models. These newly developed models may also help to give the description about how human brain logic actually works and how thoughts are mapped in brain on the time of information processing in brain. In short, by utilizing this idea the structure of thoughts can be clearly mentioned and even show diagrammatically. This is a new world of thought generation and exploration.

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