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Mixed Reality Based Application for Bidding System

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Abstract: *Augmented Reality and Mixed Reality applications are being used in multiple domains to improve efficiency of the system and adding new features. Auctions/Bidding systems are there in market for long time and are being used widely by many users. This paper focusses on how Mixed Reality and Augmented Reality can be used to provide new and intuitive experience to the users. Objective behind using AR/MR in the bidding system is augmenting the actual bidding experience, a user can get in physical environment to be made available virtually.AR based applications are intuitive and have introduced new kind of user interface which can be explored according to users will and natural gestures. Combining AR/MR with Cloud to provide real time updates on current bid. As bidding/auction systems need to be updated instantly and current bid value needs to be shown. Paper proposes how AR/MR with YOLO detection can be used with Cloud technologies to achieve real-time, robust bidding system with intuitive user interface.*

Keywords: Augmented Reality, Mixed Reality, Cloud, Real- Time, YOLO (You Only Look Once)

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