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A Study on the Security Considerations for Augmented Reality (AR) and Virtual Reality (VR) Technologies in India

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Abstract: *The rapid integration of Augmented Reality (AR) and Virtual Reality (VR) technologies into various sectors has raised significant concerns about their security implications. This research aims to investigate the potential vulnerabilities and privacy concerns associated with AR and VR technologies. In recent years, the rapid evolution of technology has ushered in a new era marked by the integration of Augmented Reality (AR) and Virtual Reality (VR) across various sectors. These immersive technologies have transcended their initial applications in gaming and entertainment, permeating diverse industries such as healthcare, education, commerce, and industry. As India emerges as a key player in the global technology landscape, the widespread adoption of AR and VR technologies presents a host of opportunities and challenges, particularly in the realm of security. While these advancements hold the promise of transformative user experiences, they also introduce novel security considerations that demand thorough examination. The aim of the research is to know about the major secu concerns relay to the ar/vr technologies and its awareness in India, The study was conducted through google questionnaire in and around Chennai with a sample size of 207 samples The dependent variables are awareness about security concerns related to AR/VR technologies and its awareness. The tools of analysis used in the study are charts, graphs, percentages and chi square test for meaningful analysis. From the study it is found that the majority of the respondents aren't much aware of ar/vr technology and have used it rarely and the major concern is on health issues.*

Keywords: Technology, Augmented Reality, Virtual Reality, Security Challenges, India