

UG SEMINAR ABSTRACT

Academic Year: 2022-2023

DEPARTMENT: IT

Seminar On “Augmented Reality and Virtual Reality Applications in Healthcare”

By Maitreya Deepak Awad

Roll No. 33205

1. Name of the Topic: Augmented Reality and Virtual Reality Applications in Healthcare

2. Topic wise contents:

- Introduction to AR and VR
- AR and VR applications in medicine and healthcare
- AR and VR in the surgical theater
- AR and VR in therapy, pain management and psychology
- Limitations of AR and VR
- Conclusion

3. References Used:

- i. M. R. Desselle, R. A. Brown, A. R. James, M. J. Midwinter, S. K. Powell and M. A. Woodruff, "Augmented and Virtual Reality in Surgery," in Computing in Science & Engineering, vol. 22, no. 3, pp. 18-26, 1 May-June 2020.
- ii. Yeung AWK, Tosevska A, Klager E, Eibensteiner F, Laxar D, Stoyanov J, Glisic M, Zeiner S, Kulnik ST, Crutzen R, Kimberger O, Kletecka-Pulker M, Atanasov AG, Willschke H. Virtual and Augmented Reality Applications in Medicine: Analysis of the Scientific Literature. J Med Internet Res 2021;23(2) : e25499 doi : [10.2196/25499](https://doi.org/10.2196/25499)

Date:

Student

REMARKS BY UG SEMINAR CO-ORDINATOR:

Date:

UG Seminar Coordinator