Abstract

This paper presents very cost efficient futuristic technology called Virtual Tele-presence Robot. The technology available in market is too costly that common man cannot afford it. The Virtual Tele-presence system is the technology which is very useful. The aim is to provide cost efficient virtual telepresence system to physically disabled and aged people which are not able to travel long distance. The components used are raspberry pi cheap credit size computer with
Virtual Tele-presence Robot

video streaming server. It gives 3 Dimensional immersive view but like other technologies it doesn’t require costly virtual reality headset. By using cheap VR and simple smart phone we can achieve the same 3D effect.

References

- Telepresence Robot System for English Tutoring Oh-Hun Kwon, Seong-Yong Koo, Young-Geun Kim, and Dong-Soo Kwon, Member, IEEE
- Exploring Use Cases for Telepresence Robots. Katherine M. Tsui, Munjal Desai, and Holly A. Yanco University of Massachusetts Lowell 1 University Avenue, Lowell, MA 01854 {ktsui, mdesai, holly}@cs.uml.edu
- Raspberry Pi as a Wireless Sensor Node: Performances and Constraints; Vladimir Vujovic and Mirjana Maksimovic.

Index Terms

Computer Science
Automated Systems

Keywords
Raspberry Pi