

VISVESVARAYA TECHNOLOGICAL UNIVERSITY.

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**Project Report
On**

“TELEPRESENCE ROBOT”

(Sponsored by KSCST, IISc, Bangalore)

Submitted in partial fulfillment of requirements for the award of degree of

**BACHELOR OF ENGINEERING
IN
ELECTRONICS AND COMMUNICATION**

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ABSTRACT

This projects aims to create a telepresence robot. This robot will be remotely controlled and be able to move and transmit sound and video to a base station.

The idea is to put a laptop on a mobile robot. Using Skype's free video chat and the power of their API, robot is completely controllable via a web-enabled computer anywhere in the world. The person controlling the robot will be able to drive the robot at the same time, a teleconference session may be established between the person controlling the robot and the people with the robot.

The definition of the word telepresence here is to use a set of technologies to give one the sensation or appearance of being present at a location other then one's true location.

Need for the project :

Imagine that you want to participate to a meeting but you cannot be physically present. You go on your computer and you call a robot present at the meeting The robot answers your call automatically. At this point, you can see what's going on in the meeting through the robot webcam and at the same time, the people in the meeting can see you on the robot screen.
