

“ROBOTIC SOLDIER”

(Sponsored by K.S.C.S.T)

A project report submitted in partial fulfillment of the requirement for the award of the Degree of Bachelor of Engineering in Electronics & Communication Engineering of the Visvesvaraya Technological University, Belgaum.

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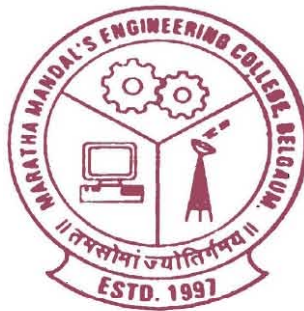
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ABSTRACT

Robots are increasingly taking over more soldier duties. Robots in the military are no longer the stuff of science fiction. They have left the movie screen and entered the battlefield; the military goal is to have approximately 30% of the army comprised of robotic forces by approximately 2020. All of the Army's robotic force is tele-operated. Meaning, there is someone operating the robot from a remote location, perhaps often with a computer and computer screen. We are giving chain of commands to the system and care is taken not to give autonomy to robots instead to take the decision related to the task.

The project aims to develop a remote controlled combat vehicle operating on RF technology. The robotic vehicle is capable of monitoring its surrounding audio on RF technology. Robotic vehicle is capable of monitoring its surrounding audio and video information, processing it to display terminal through a RF wireless link. Remote control commands are used to guide the vehicle as well as to utilize its added benefits.