VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM

A
PROJECT REPORT
ON

"Emergency camera care unit for ailing patient (ECC-AP)"

(KSCST SPONSORED)

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

COMPUTER SCIENCE AND ENGINEERING

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ABSTRACT

The motion and sound detection unit helps people who take care of critically ill patients. Patients can move their hand when they need assistance in getting up such that the device detects motion. Also, they can make some sound such that our software detects the same and informs the care taker about the same.

The system lets you know that your patient ones under critically ill state are safe while you move about the house or yard. You can wash dishes, pay bills online, attend other patients or even go to sleep, knowing you'll be alerted the minute patient wakes up or needs your help. ECC-AP gives you peace of mind.

Camera and GPRS enabled mobile is placed near the patient in a place from where he can be easily monitored. The mobile monitors for motion or sound if any. Once the motion is detected it informs caretaker about it through call or through GPRS. On demand the live video is transmitted via GPRS to the other mobile which is also GPRS enabled. When the patient cries for help it informs caretaker about it. It gives the information about whether cell phones are in GPRS range or not. It also informs to the care taker if the battery charge of monitoring side android mobile goes below specified level.