

**“CONVERSION OF EYE LID MOVEMENTS INTO  
AUDIO SIGNALS TO CONVEY THE FEELINGS OF A  
PARTIALLY PARALYTIC PATIENT”**

**(Sponsored by K.S.C.S.T., Bangalore)**

**A Project Report  
submitted in partial fulfillment of the requirements  
for the award of the Degree of Bachelor of  
Engineering in Electronics & Communication  
of the Visvesvaraya Technological University, Belgaum**

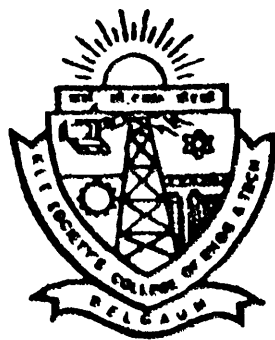
**Submitted by**

**Mahantesh Gudimani  
Nikhil Thakur**

**Mershad Irani  
Patil Deepak**

**Under the Guidance Of**

**Prof. J. M. Rudagi**



**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

**K.L.E SOCIETY'S  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
UDYAMBAG, BELGAUM - 590 008  
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM  
2009 - 2010**

# ABSTRACT

*The Electronics and Biomedical field have been working hand in hand to comfort the disabled patients. This has made their life much easier making them live almost like a normal human.*

*This Project is aimed at providing help to the paralytic patients to convey messages to the Doctor or Nurses.*

*A paralytic patient cannot move any part of his body to convey any message. Hence in case of emergencies it may be problematic for them. Sometimes he/she may be able to blink his/her eyes.*

*We use this eye blink count and feed it to a microcontroller which contains the look up table for the eye blink count and the corresponding Audio message to be conveyed. A personal computer is used to play the audio tracks.*