VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM-590014

A Project Report

On

"AUTOMATION USING EEG SIGNAL WITH MICROCONTROLLER"

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ABSTRACT

A brain-machine interface is a communication system that does not depend on the brains normal output pathways of peripheral nerves and muscles. It is a new communication link between a functioning human brain and the outside world. These are electronic interfaces with the brain, which has the ability to send and receive signals from the brain. BMI uses brain activity to command, control, actuate and communicate with the world directly through brain integration with peripheral devices and systems. The signals from the brain are taken to the computer via the implants for data entry without any direct brain intervention. BMI transforms mental decisions and/or reactions into control signals by analyzing the bioelectrical brain activity.