**BRAIN COMPUTER INTERFACE**

**Seminar Report**

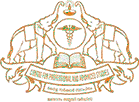
*Submitted By*

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***In Partial Fulfilments for the Award of the Degree***

***of***

**MASTER OF COMPUTER APPLICATIONS**



**Department of Computer Science**

**SCHOOL OF TECHNOLOGY & APPLIED SCIENCES**

**CENTRE FOR PROFESSIONAL AND ADVANCED STUDIES**

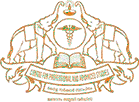
**KOTTAYAM, KERALA**

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**SCHOOL OF TECHNOLOGY & APPLIED SCIENCES**

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**CERTIFICATE**

This is to certify that semainar entitled “ **BRAIN COMPUTER INTERFACE**“ Submitted by Mr. **SANJAI SATHEESH,** Reg .No **203242210718**, Semester 4 in partial fulfilment of the requirement for the award of the degree of MCA of Mahatma Gandhi University, Kottayam during the period 2020 - 2022.

Place: Pullarikkunnu

Date:

Faculty Guide HOD,MCA

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Gratitude and gratefulness is a sublime feeling of heart which come to acknowledge the heartfelt gratitude. Words prove to be small and sentences become feeble to bear the burden to express their cooperation which makes our task much easier. However, I have made an effort to express our overwhelming sense of gratitude of those who have made this task possible.

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**ABSTRACT**

As the power of modern computers grows alongside our understanding of the human brain, we move ever closer to making some pretty spectacular science fiction into reality. Imagine transmitting signals directly to someone's brain that would allow them to see, hear or feel specific sensory inputs. Consider the potential to manipulate computers or machinery with nothing more than a thought. It isn't about convenience, for severely disabled people, development of a **brain-computer interface** (BCI) could be the most important technological breakthrough in decades.

**A Brain-computer interface**, sometimes called a **direct neural interface** or a **brain-machine interface**, is a direct communication pathway between a brain and an external device. It is the ultimate in development of human-computer interfaces or HCI. BCIs being the recent development in HCI there are many realms to be explored. After experimentation three types of BCIs have been developed namely Invasive BCIs, Partially-invasive BCIs, Non-invasive BCIs.

**TABLE OF CONTENTS**

CHAPTER PAGE NO.

**1 Introduction** 1

**2 How BCI Works**  2

**3 Types of BCI** 4

3.1 Invasive BCI 4 3.2 Partially Invasive BCI 4

3.3.Non-Invasive BCI 5

**4 Independent vs Dependent** 6

**5 Exogenous vs Endogenous**  7

**6 Electroencephalogram Based BCI** 8

**7 Modern BCI Systems** 12

7.1 Visual evoked potentials 12

7.2 Slow cortical potentials 12

7.3 P300 evoked potentials 13

7.4 Mu and beta rhythms 13

7.5 Neuronal action potentials 13

**8 Applications of BCI** 14

**9 Issues and Limitations** 15

**10 Conclusion** 16

**11 References**  17