# Introduction

Human brain is possibly the most critical part of the human body. From helping humans perform simple mundane tasks to caryying out extraordinary feats throughout history, the brain is what controls everything in humans. The brain works by sending and receiving signals throughout the body with the aid of the nerves. By analyzing such signals or electrical impulses, changes in brain activity and state can be measured. Electroencephalography, or EEG, is such method used to measure the electrical activity of the brain in which small metal electrodes are attached to the scalp surface.