# 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. Here …

# Task 1

## Time Series Plot

A time series is a sequence of data which is recorded continuously over time. Time series helps in studying how variables changes or evolves through time. Generally, when plotting a time series graph, time is plotted on the X axis or the horizontal axis and the variable is plotted on the Y axis. Below are the time series plot of the input data and the output data.