

# LEARNING PLAN

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## **Problem Statement:**

Patients around the world suffer from disease which cause them to be unable to move their body but their brain is still functional. Brain wave from the patient can be beneficial to create something which helps them to control their body again.

## **Requirements:**

- The person must be unable to move their body during the experiment and training session

## **Scopes:**

- Using EEG device to collect brain signal from a person who cannot move.
- Focus on improving brain signal to control movement of the model
- Control 1 motor Robotic hand (Control close and open)

## **15-week Learning Plan/Work Schedule:**

Week	Topics to Learn	Deliverables
0	What I want to do	Learning Plan
1	Survey of MI BCI Research	Summary note and Presentation
2	Learn EEG Signal processing	Summary note
3		
4		
5		
6		
7		
8		
9		
10		
11	Documentation + Run demo + Fix Bug	Draft Report #1
12		Draft Report #2
13		Draft Report #3
14		Draft Report #4

15	Final Demo and Submission	Final Report, GitHub, Presentation
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**Student's Signature:**

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**Advisor's Signature:**

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