

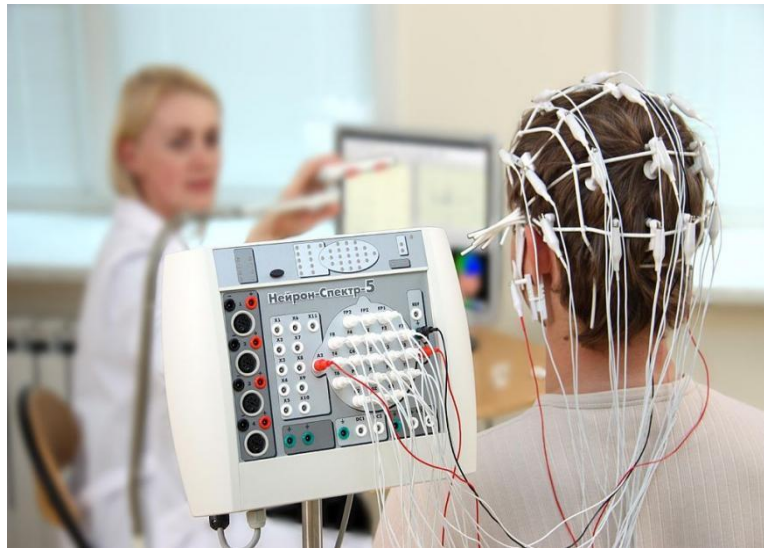
# EEG Simulator

Replace human or other animal subjects for EEG  
Simulation

# Problem

Live subjects are used for research to capture EEG readings.

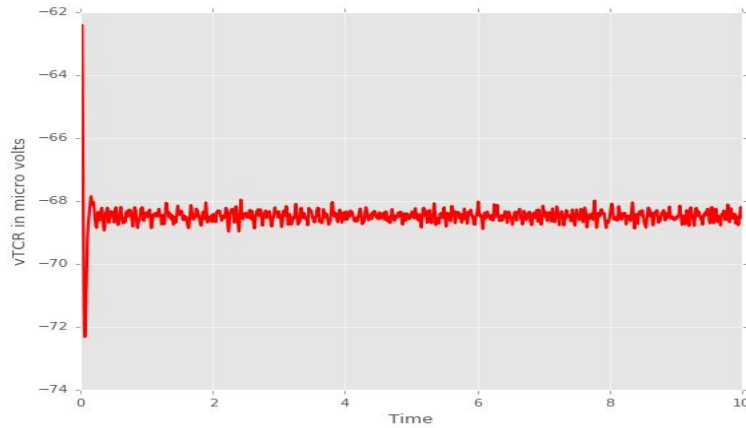
This method is costly, inefficient, time consuming and not scalable.



# Solution

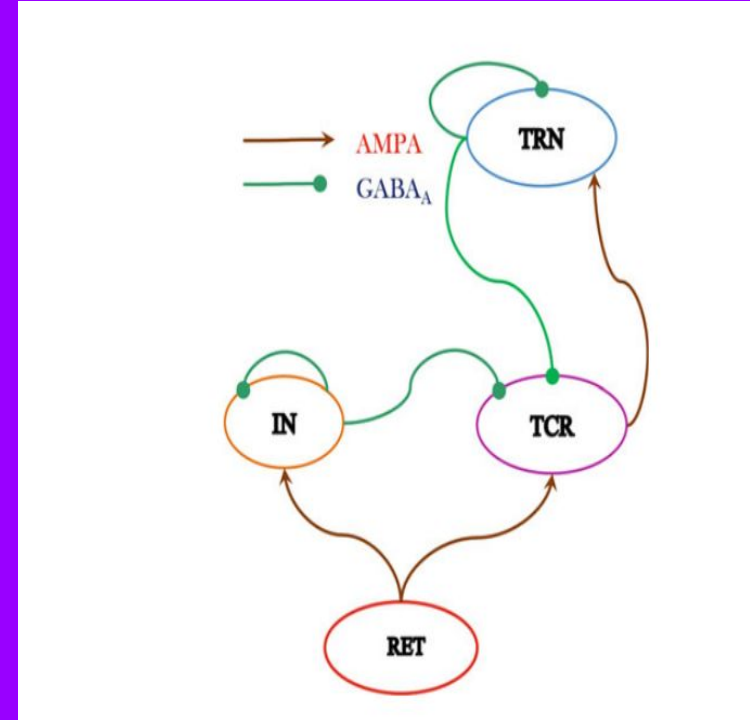
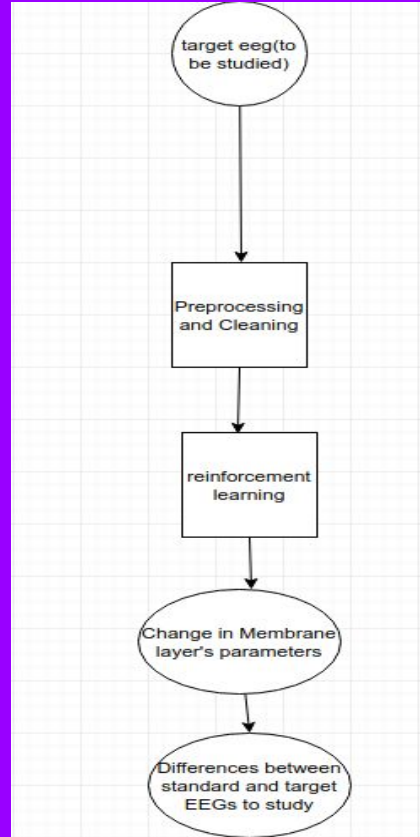
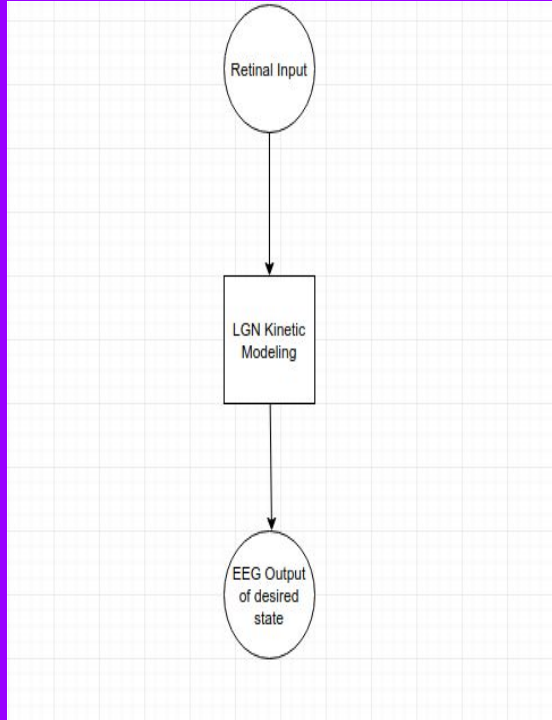
***Free open source EEG Simulator for use by researchers.***

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Enables researchers to scale experiments at reduced costs and at a faster level.

# How does it work



Mimicking brain rhythms of both health and disease conditions.

SW results validated against IEEE

# Target Market



Organic reach to community of researchers and developers

1. Reach out to open source developers working in Computational Neuroscience.
2. Build up reputation for the software via StackOverflow, Hackernews, Quora, Twitter, etc.

# Team

Data Scientist at SocialCops(@Social\_Cops)

B. Tech CSE VIT University, Chennai, India

Designed Data Repository for DISHA(Data Platform to Unlock Development in Indian Districts)

Former Topological Data Science Research Intern at University of Liverpool, UK; improved Mapper's algorithm.



# “On the whole”

- An EEG Simulator -> enabling researchers to find diseases and perform research at a faster level with more accuracy.
- You need EEG readings to find diseases or any other research work.
- You need simulation because conducting experiments on a real system is impossible or impractical, often because of cost or time.
- EEG Simulator is the combination of both “needs”.

Let the world explore the uncertainties of the medical world!