

TECHNOLOGY DEVELOPMENT PROGRAM HEALTHTECH

BrainSync

Streamlines EEG pre-processing, at an early step in data driven techniques



Issue Being Addressed

- ▶ Analyzes and Visualizes the EEG Signal Data
- ▶ Helps to preprocess it and make it ready to use for researchers

Key Feature of the Technology/Product /App Which is Being Developed

- ▶ Streamlines EEG pre-processing, an early step in data-driven techniques
- ▶ Provides a user-friendly solution to pre-process the EEG data, reducing the redundancy of writing code
- ▶ Helps to understand the data, as the tools include visualization generated on the data

Impact & Benefits

- ▶ Help make EEG analysis available to everyone and help cut down research cost
- ▶ Include technology/product line-up including screenshots, features, product architecture, intellectual property, mockups, 3D-designs etc
- ▶ This will help the researchers and doctors to work with the EEG data and easily process and visualize it

Team

- ▶ **Jha Rohan**, Student, Third Year CSE
- ▶ **Krish Agrawal**, Student, Third Year CSE
- ▶ **Rupal Shah**, Student, Third Year EE
- ▶ **PI: Prof. M. Tanveer**, Professor, IIT Indore

CHANAKYA UG Fellowship

Targeted Customers & End Users

- ▶ Doctors and Clinicians working in the field of mental healthcare
- ▶ Researchers and Scientists researching in neurosciences
- ▶ Law enforcement agencies and forensics department

Commercialization Status

- ▶ Deploying prototype for the improvisation of the technology