

SVKM's NMIMS
Mukesh Patel School of Technology Management & Engineering
Computer Engineering Department
Program: B. Tech/MBA Tech EXTC

Course: B. Tech/MBA. Tech (EXTC)

Faculty: Dr Avinash Tandle

Roll No. C017	Name: Jay Goyal
Program :	Division:
Batch:	Date of Experiment: 27-01-2022
Date of Submission: 27-01-2022	Grade :

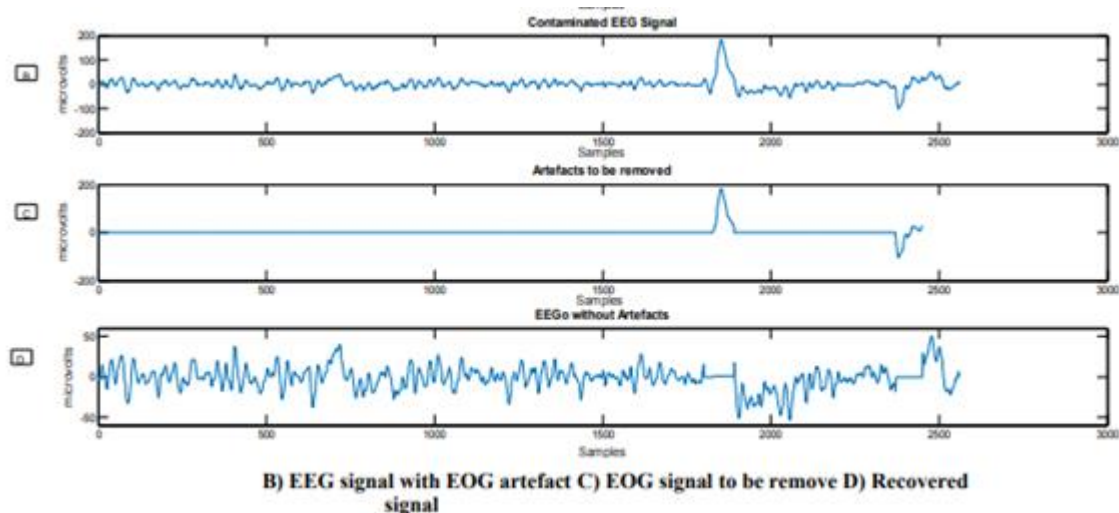
AIM: -EOG artefact removal from artefacted EEG Signals using EOG subtraction

Colab Link:

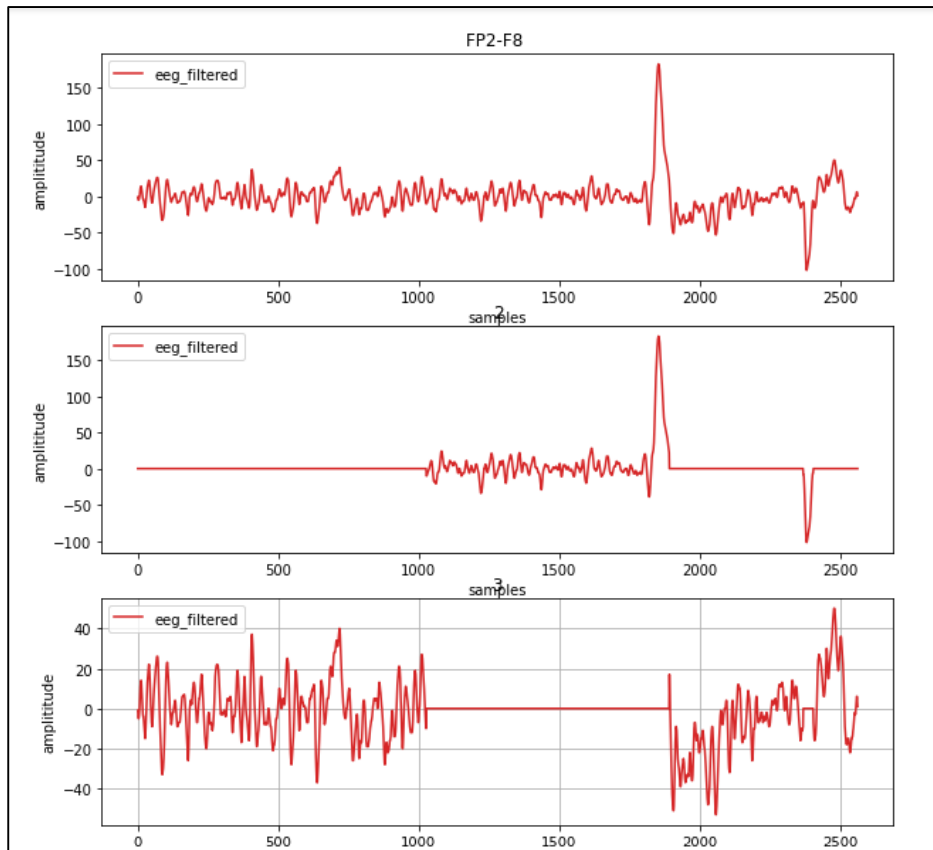
<https://colab.research.google.com/drive/1D2MHN0z1T3l68eknX8VB18-W0OB9UpDH?usp=sharing>

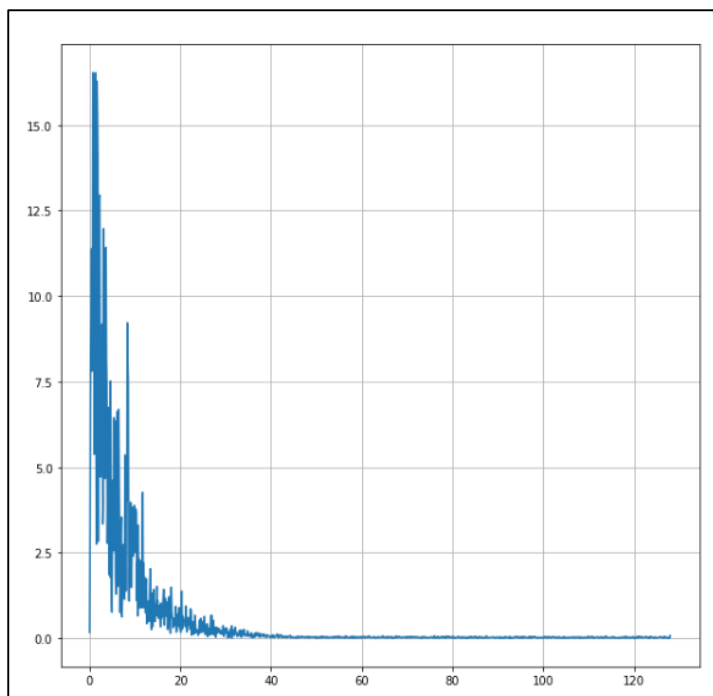
Instructions and Objective:

1. Download the excel files EOG and contaminated from file section of team.
2. Convert in them into csv and import in google coalb
3. Remove NaN values if any from the data
4. Plot the same and observe the EOG artefacts
5. Remove the EOG artefact by subtracting the EOG artefacts as shown in fig.
6. Measure the amplitude and frequency of EOG artefact

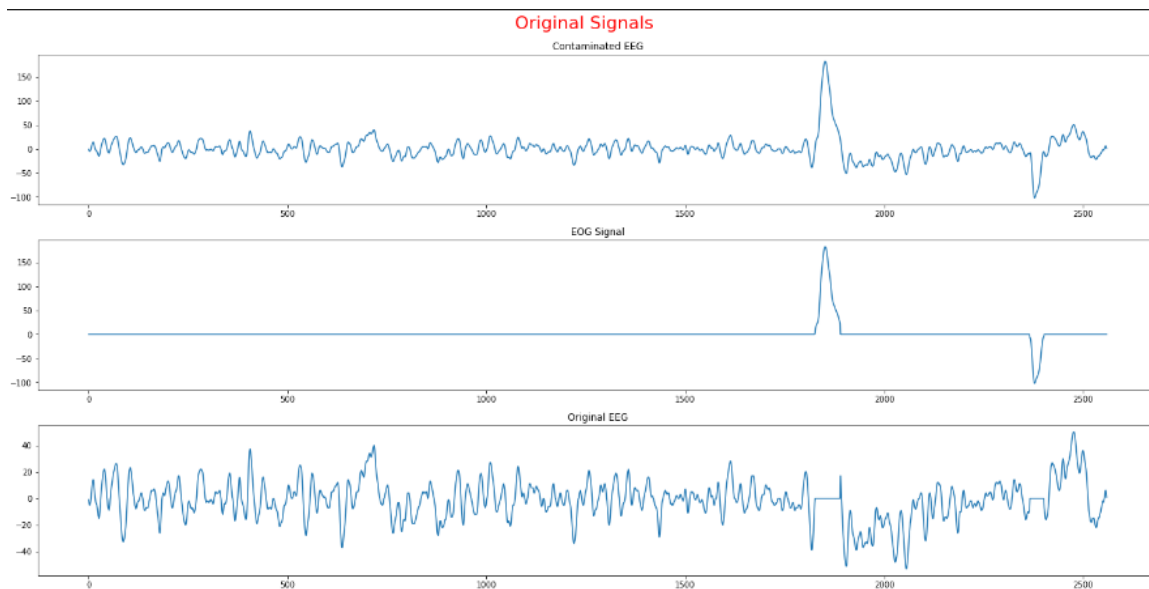


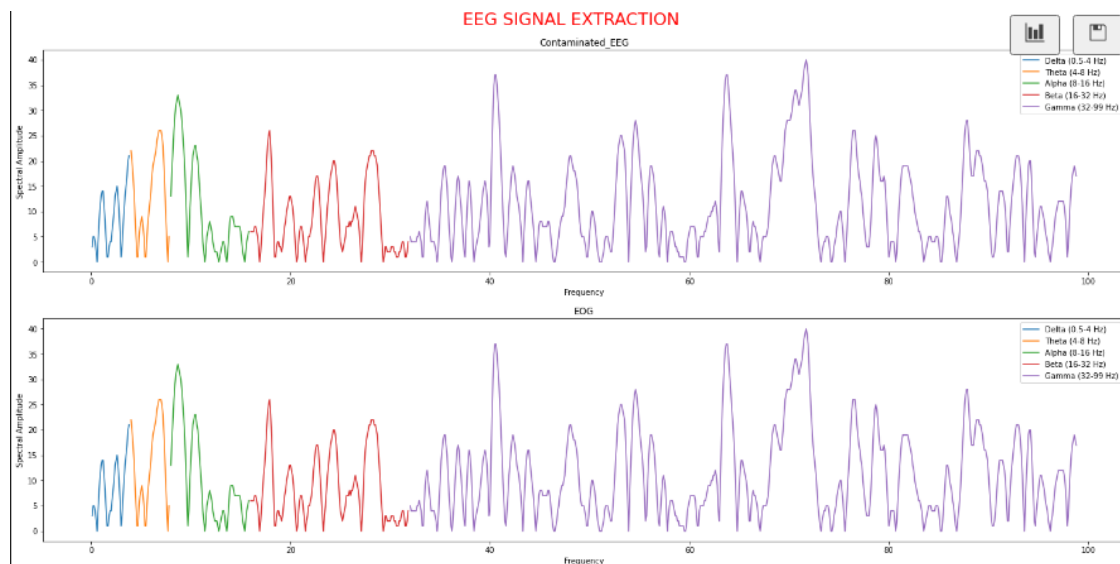
Output:





Changes made after your corrections





Conclusion:

From this experiment we were given the contaminated eeg excel file EOG artefact removal from artefacted EEG Signals using EOG subtraction was undertaken and in the end we plotted the frequency