**DATA SAMPLING PROCEDURE**

Input: Pre-processed EEG Corpus  
Output: Segmented EEG Corpus into 25 Chunks // For plotting Radar Charts, Parallel plot

program Sampling ()

begin

S<-EEG Corpus;

For( i=0; i<N; i++)

Z[i]=Segmentation(S); // Equally Partition Dataset S into N partititons

For( i:Z )

For( j=0; j<N; j++)

A[j]=Segmentation(Z[i]);

return A;

end.

**PREPROCESS PROCEDURE**

Input: EEG Corpus

Output: Pre-Processed EEG Corpus // Removal of Extreme values

program preprocess ()

begin

S<-EEG Corpus ;

Z=StatisticalEvaluation(S); //removal of extreme values

return Z;

end.

**RANDOMSELECT PROCEDURE**

Input: Segmented EEG Corpus Subsets

Output: N Randomly selected subsets // Selects N random subsets from collection of Subsets.

Program randomselect ()

begin

B<- EEG Corpus Subsets

For( i=0; i<N; i++) // N is the number of Random Selections

K=Random(B) // Randomly selects a dataset from B

C[i]=K

return C

end.

**ALGORITHM**

Input: EEG Corpus

Output: Visually Represented EEG Dataset by Parallel, Star and Corrogram plots

Program vismining ()

begin

S<-EEG Corpus

S=PREPROCESS(S) // Call PREPROCESS procedure on S

A=DATASAMPLING(S) // Returns an Array of Subsets

B=RANDOMSELECT(A) // Randomly select N subsets

VIS\_TECH(B) // Plots represented by Array B.

end.

Input: Segmented EEG Corpus into N Chunks  
Output: Image of corrgram, parallel coordinates, radar chart

program VIS\_TECH()

begin

C<- N Segemented chunks of EEG corpus

require (corrgram) //Calling “corrgram” R package for corrogram

require (fmsb) //Calling “fmsb” R package for radar chart

require (ggally) //Calling “ggally” R package for parallel coordinates

R<-sample (1:N) //Selecting a segment from N segments

C\_image<-corrgram(R) //Plotting the corrogram

P\_image<-ggparacoord(R)//plotting parallel coordinates

R\_image<-radarchart(R) //plotting radarchart

return C\_image,P\_image,R\_image

end.

**PARALLEL COORDINATES**

Input: Segmented EEG Corpus into N Chunks  
Output: JPEG file of parallel coordinates

begin

C<- N Segemented chunks of EEG corpus

require (ggally) //Calling “corrgram” R package

R<-sample (1:N) //Selecting a segment from N segments

P.jpeg<-ggparacoord(R) //Plotting the corrogram

Return p.jpeg

end.

**RADAR CHART**

Input: Segmented EEG Corpus into N Chunks  
Output: JPEG file of radar plot

begin

C<- N Segemented chunks of EEG corpus

require (fmsb) //Calling “corrgram” R package

R<-sample (1:N) //Selecting a segment from N segments

P.jpeg<-radarchart(R) //Plotting the corrogram

Return p.jpeg

end.