

Emotion	Physiological Signal	Prefix	Feature
Fear	EMG	EMG_MF_	Activations_N; Duration_Var; Duration_Skew; MeanPeaksAct_Mean; MeanPeaksAct_Std; MeanPeaksAct_Skew; all_Amplitude_Mean; all_Amplitude_Var; all_Amplitude_Skew; Area_Mean; Area_Var; Area_Skew; Area_Kurt
		EMG_TR_	Duration_Std; Duration_Kurt; MaxPeakAct_Kurt; MeanPeaksAct_Mean; MeanPeaksAct_Var; MeanPeaksAct_Skew; MeanPeaksAct_Kurt; all_Amplitude_Mean; Area_Mean; Area_Std
	EDA	EDA_	Tonic_Mean; Tonic_Var; Phasic_Mean; Phasic_Skew; Phasic_Kurt
		SCR_	Height_Std; Height_Var; Height_Skew; Height_Kurt; Amplitude_Mean; Amplitude_Skew; RiseTime_Mean; RiseTime_Var; RiseTime_Skew; RiseTime_Kurt; RecoveryTime_Mean; RecoveryTime_Skew
	ECG	ECG_	Rate_Var; Rate_Skew; Rate_Kurt; Tduration_Mean; Tduration_Var; Tduration_Skew; Tduration_Kurt
		HRV_	SDANN2; SDNNI2; CVNN; CVSD; MedianNN; MCVNN; IQRNN; Prc20NN; pNN20; MinNN; TINN; VHF; LFn; CSI_Modified; PIP; PAS; GI; SI; C1a; SD1d; HRV_SD1a; HRV_C2d; SD2d; Cd; SDNNd; MFDFA_alpha1_Peak; MFDFA_alpha1_Max; MFDFA_alpha1_Increment; MFDFA_alpha2_Width; MFDFA_alpha2_Peak; MFDFA_alpha2_Max; MFDFA_alpha2_Delta; MFDFA_alpha2_Asymmetry; ApEn; CMSEn; RCMSEn; KFD
Happy	EMG	EMG_MF_	Activations_N; Duration_Mean; Duration_Var; Duration_Kurt; MaxPeakAct_Std; MeanPeaksAct_Var; MeanPeaksAct_Kurt; all_Amplitude_Mean; all_Amplitude_Kurt; Area_Mean; Area_Skew; Area_Kurt
		EMG_TR_	Activations_N; Duration_Kurt; MaxPeakAct_Std; MaxPeakAct_Var; MeanPeaksAct_Mean; MeanPeaksAct_Skew; all_Amplitude_Var; all_Amplitude_Skew; all_Amplitude_Kurt; Area_Var; Area_Skew; Area_Kurt
	EDA	EDA_	SympN; Tonic_Mean; Tonic_Var; Tonic_Kurt; Phasic_Std; Phasic_Kurt
		SCR_	Peaks_N; Height_Std; Height_Var; Amplitude_Kurt; RiseTime_Std; RiseTime_Skew; RecoveryTime_Mean; RecoveryTime_Var; RecoveryTime_Skew; RecoveryTime_Kurt
	ECG	ECG_	Rate_Mean; Rate_Skew; Rate_Kurt; Tduration_Mean; Tduration_Var; Tduration_Kurt
		HRV_	MeanNN; SDNNI1; RMSSD; CVSD; MCVNN; IQRNN; pNN20; MaxNN; TINN; VLF; LF; LFn; SD2; PIP; PSS; PAS; GI; AI; PI; C1a; SD2a; Ca; MFDFA_alpha1_Peak; MFDFA_alpha1_Mean; MFDFA_alpha1_Max; MFDFA_alpha1_Asymmetry; MFDFA_alpha1_Fluctuation; DFA_alpha2; MFDFA_alpha2_Peak; MFDFA_alpha2_Asymmetry; MFDFA_alpha2_Fluctuation; MFDFA_alpha2_Increment; ShanEn; FuzzyEn; MSEn; CMSEn; KFD
Neutral	EMG	EMG_MF_	Activations_N; Duration_Var; Duration_Kurt; MaxPeakAct_Mean; MaxPeakAct_Var; MeanPeaksAct_Var; MeanPeaksAct_Skew; MeanPeaksAct_Kurt; all_Amplitude_Var; all_Amplitude_Skew; all_Amplitude_Kurt; Area_Var; Area_Skew; Area_Kurt
		EMG_TR_	Activations_N; Duration_Std; Duration_Kurt; MaxPeakAct_Mean; MaxPeakAct_Skew; MeanPeaksAct_Mean; MeanPeaksAct_Var; all_Amplitude_Skew; all_Amplitude_Kurt; Area_Mean; Area_Skew; Area_Kurt
	EDA	EDA_	Tonic_Var; Tonic_Skew; Phasic_Mean; Phasic_Std; Phasic_Skew; Phasic_Kurt
		SCR_	Height_Std; Height_Var; Height_Skew; RiseTime_Std; RiseTime_Skew; RiseTime_Kurt; RecoveryTime_Var; RecoveryTime_Kurt
	ECG	ECG_	Rate_Mean; Rate_Kurt; Tduration_Mean; Tduration_Var; Tduration_Skew; Tduration_Kurt
		HRV_	MeanNN; SDNNI2; pNN20; MinNN; TINN; VLF; LFn; HFn; S; CSI_Modified; PIP; PSS; PAS; GI; SI; PI; C1a; C2d; Ca; MFDFA_alpha1_Width; MFDFA_alpha1_Peak; MFDFA_alpha1_Mean; MFDFA_alpha1_Max; MFDFA_alpha1_Asymmetry; MFDFA_alpha2_Peak; MFDFA_alpha2_Delta; MFDFA_alpha2_Fluctuation; MFDFA_alpha2_Increment; ShanEn; MSEn; CMSEn; CD; KFD

**Table C1:** Features selected after implementation of the method A.

Physiological Signal	Prefix	Feature
EMG	EMG_MF_	Activations_N; Duration_Var; Duration_Skew; Duration_Kurt; MeanPeaksAct_Skew; MeanPeaksAct_Kurt; all_Amplitude_Var; all_Amplitude_Kurt
	EMG_TR_	Activations_N; Duration_Std; Duration_Kurt; MeanPeaksAct_Skew; all_Amplitude_Var; all_Amplitude_Skew; all_Amplitude_Kurt
EDA	EDA_	SympN; Tonic_Mean; Tonic_Mean; Tonic_Skew; Phasic_Mean; Phasic_Skew; Phasic_Kurt
	SCR_	Peaks_N; Height_Var; Height_Skew; Height_Kurt; Amplitude_Skew; RiseTime_Std; RiseTime_Var; RiseTime_Skew; RiseTime_Kurt; RecoveryTime_Mean; RecoveryTime_Var; RecoveryTime_Skew; RecoveryTime_Kurt
ECG	ECG_	Rate_Mean; Rate_Skew; Rate_Skew; Tduration_Mean; Tduration_Var; Tduration_Skew; Tduration_Kurt
	HRV_	MinNN; VLF; TINN; LF; PSS; LFn; CSI_Modified; PAS; GI; Ca; PI; MFDFA_alpha1_Peak; MFDFA_alpha1_Increment; MFDFA_alpha1_Asymmetry; MFDFA_alpha1_Fluctuation; MFDFA_alpha2_Width; MFDFA_alpha2_Peak; MFDFA_alpha2_Max; MFDFA_alpha2_Asymmetry; MFDFA_alpha2_Increment; MFDFA_alpha2_Fluctuation; CMSEn; MSEn; KFD; RCMSEn

**Table C2:** Features selected after applying the approach C1.

Physiological Signal	Prefix	Feature
EMG	EMG_MF_	Activations_N; Duration_Kurt; MaxPeakAct_Kurt; MeanPeaksAct_Mean; all_Amplitude_Var;
	EMG_TR_	Duration_Var; Duration_Kurt; MaxPeakAct_Var; MaxPeakAct_Skew; all_Amplitude_Kurt;
EDA	EDA_	Tonic_Var; Tonic_Skew; Tonic_Kurt; Phasic_Mean; Phasic_Kurt;
	SCR_	Peaks_N; Height_Var; Height_Skew; Amplitude_Skew; Amplitude_Kurt; RiseTime_Var; RiseTime_Skew; RiseTime_Kurt; RecoveryTime_Var; RecoveryTime_Skew; RecoveryTime_Kurt
ECG	ECG_	Rate_Skew; Rate_Kurt; Tduration_Mean; Tduration_Var; Tduration_Skew; Tduration_Kurt
	HRV_	TINN; VLF; HF; PAS; GI; MFDFA_alpha1_Peak; MFDFA_alpha1_Increment; MFDFA_alpha2_Peak; MFDFA_alpha2_Max; MFDFA_alpha2_Asymmetry; MFDFA_alpha2_Increment; MSEn; CMSEn; KFD;

**Table C3:** Features selected after applying the approach C2.