**P** **P**

**R R**

**E E**

**P P**

**R R**

**O O**

**C C**

**E E**

**S S**

**S S**

**I I**

**N N**

**G G**

**SPEECH INPUT**

**TEST SPEECH INPUT**

**DIGITIZATION**

**NOISE REDUCTION (VAD)**

**FEATURE EXTRACTION (MFCC)**

**DATABASE GENERATION**

**CLASSIFIER**

**(BPNN)**

**EMOTION**

**RECOGNIZATION**

**DIGITIZATION**

**NOISE REDUCTION (VAD)**

**NORMALIZATION**

**FEATURE EXTRACTION (MFCC)**

**NORMALIZATION**