

Training

Writings of Enrolled Users
e.g. 90 seconds Input

Noise Elimination

Word Segmentation

Sample Generation

Data Processing

Frame-Level Feature

Frame-Level Feature Extraction

Component-Level Feature

Component-Level Feature Extraction

Component feature
Quantization

Vocabulary of
Primitives

Component Indices

Sample-Level Feature

Sample-Level Feature Extraction

Testing

Writings of Testing Users
e.g. 3 seconds Input

Noise Elimination

Word Segmentation

Sample Generation

Frame-Level Feature

Component-Level Feature

Component Indices

Sample-Level Feature

