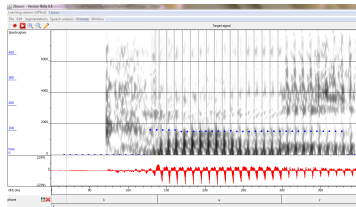
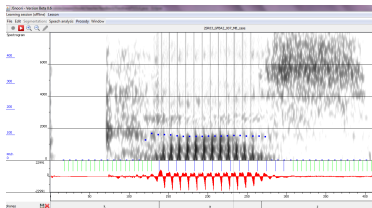


(a) Learner signal before feedback correction

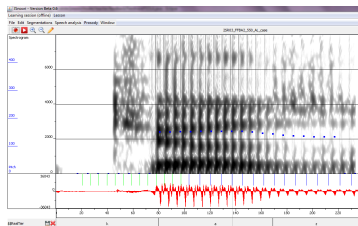


(b) Learner signal after feedback correction

Figure : Feedback Correction : example Word case

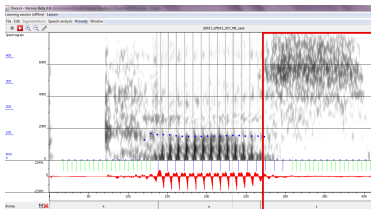


(a) Learner signal before feedback correction

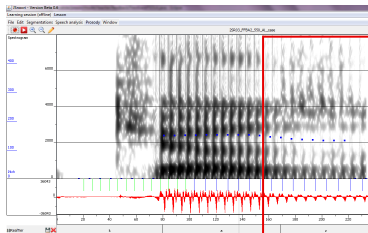


(b) Teacher Signal

Figure : Feedback Correction : example Word case

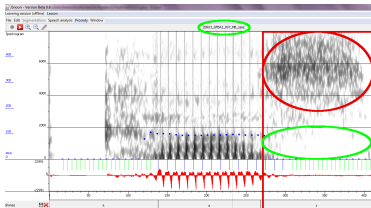


(a) Learner signal before feedback correction

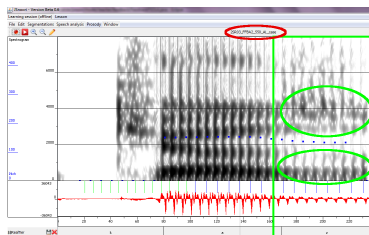


(b) Teacher signal

Figure : Feedback Correction : example Word case



(a) Learner signal before feedback correction



(b) Teacher signal

Figure : Feedback Correction : example Word case

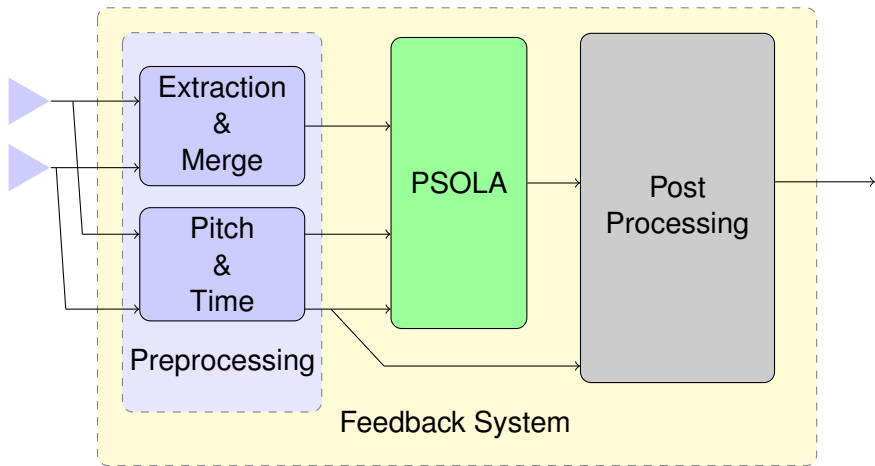
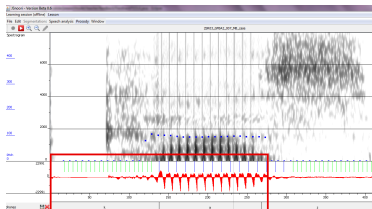
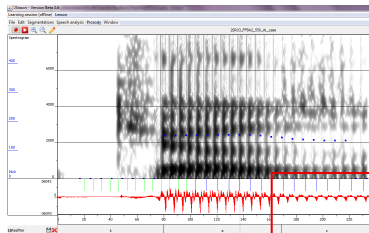


Figure : Schema Block of Feedback Correction System



(a) Pitch markers no-fricative extraction from the learner



(b) Pitch markers fricative extraction from the teacher

Figure : Pitch Mark Extraction

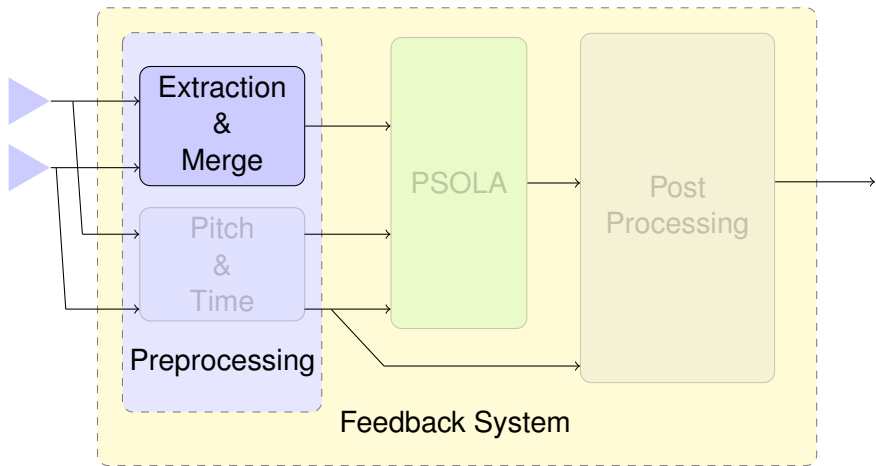


Figure : Schema Block of Feedback Correction System

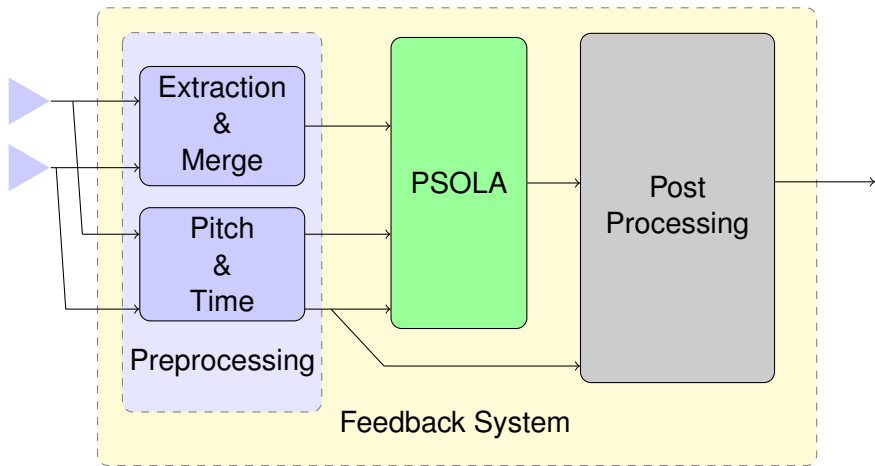
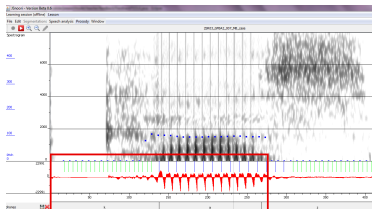
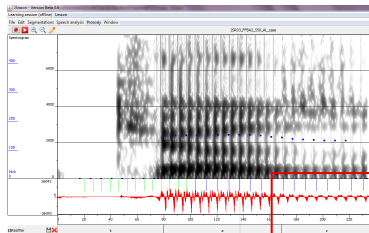


Figure : Schema Block of Feedback Correction System





(a) Pitch markers no-fricative extraction from the learner



(b) Pitch markers fricative extraction from the teacher

Figure : Pitch Mark Extraction

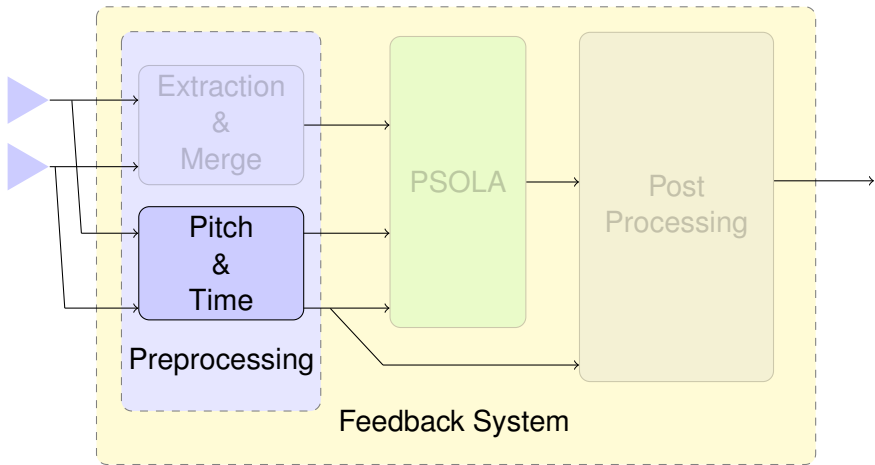


Figure : Schema Block of Feedback Correction System

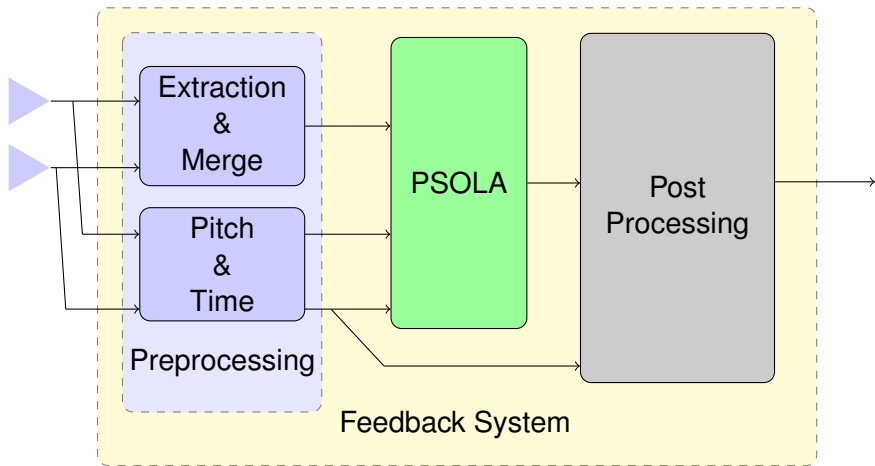
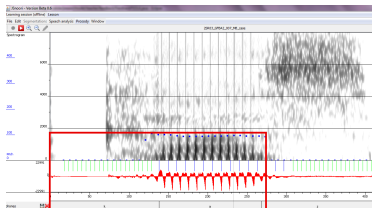
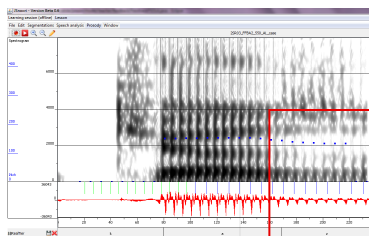


Figure : Schema Block of Feedback Correction System



(a) Learner signal before feedback correction



(b) Teacher signal

Figure : Pitch extraction and Time factor estimation

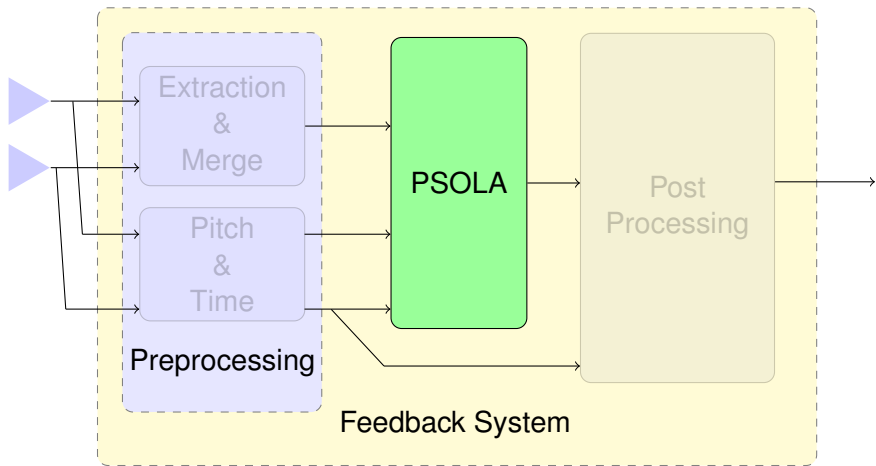


Figure : Schema Block of Feedback Correction System

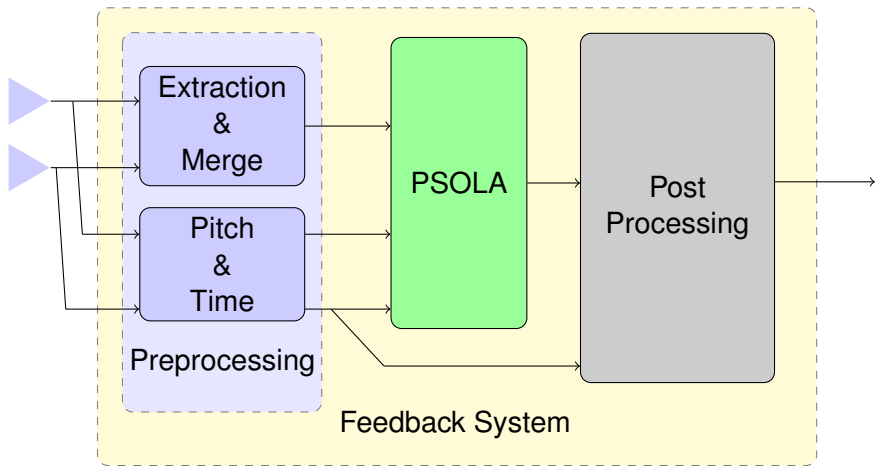
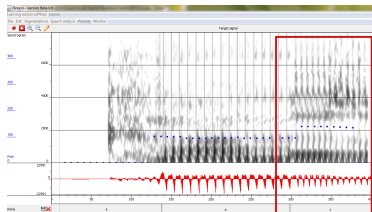
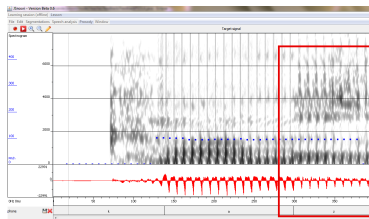


Figure : Schema Block of Feedback Correction System

# Post-processign



(a) Befor post-processing: pitch correction



(b) After Post-Processing

Figure : Post-processing