# CoSSAT: Code-Switched Speech Annotation Tool

September 3, 2019

### 1 User Interface

#### 1.1 Baseline System

CoSSAT: Code-Switched Speech Annotation Tool			
	► — • 0:02 / 0:02 ◆ • — •		
O English 💿 Hindi			
advance में बोल			
	SUBMIT		

Figure 1: Baseline System

#### 1.2 CoSSAT

## 2 User Feedback

CoSSAT: Code-Switched Speech Annotation Tool	
► — 0.02 / 0.02 ▲ — — English   Hindi frictions कम] प्रियमन FICTION क्रियम FRICTIONS व्युम्ल FICTIONS यंस ACTIONS यंस कम SMS KARO हो JASKAMAL जाता KAMLESH KAMRAT हे। AMRITA जातें MOHITE होता OKAY SUBMIT	SPACE □ BACKSPACE ■ REMWORD < , . ? ! . . / : ; !

Figure 2: CoSSAT (Code-Switched Speech Annotation Tool)

5. Please rate Annotation System with Word Buttons (from of 1 [worst] to 5 [best]) in terms of the following criteria:

More Details

<b>1 2 3 4 5</b>			
Convenience/Ease of use			
Speed (Was able to transcribe faster)			
User friendliness (How easy it was to understand interface)			
Error robustness (Did you make less errors with this interface?)			
	100%	0%	100%

Figure 3: Feedback from users regarding their experience with CoSSAT

- More Details

   1
   2
   3
   4
   5

   Convenience/Ease of use

   Speed (Was able to transcribe faster)

   User friendliness (How easy it was to understand interface)

   Error robustness (Did you make less errors with this interface?)

   100%
   0%
   100%

   10%
- 6. Please rate Annotation System without Word Buttons (from of 1 [worst] to 5 [best]) in terms of the following criteria:

Figure 4: Feedback from users regarding their experience with Baseline System

7. Which annotation system would you prefer to use if you were regularly transcribing long codemixed speeches/audio?



Figure 5: Overall User Feedback