

MUSIC TRANSCRIPTION FOR KEYBOARD LIKE INSTRUMENTS

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UNDER THE GUIDANCE OF PROF. AJIT RAJWADE

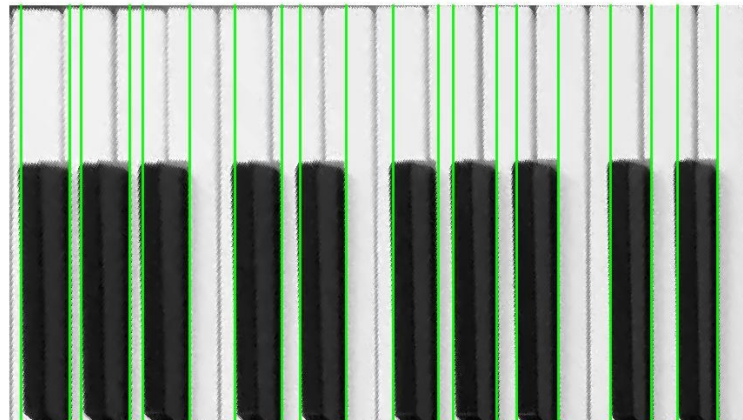
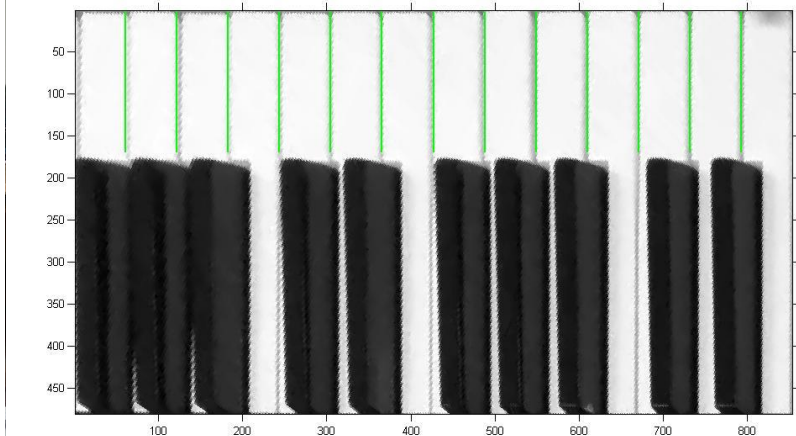
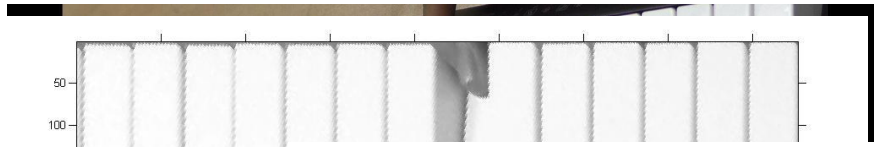
PROBLEM STATEMENT

GOAL: ACHIEVE **AUTOMATIC MUSIC TRANSCRIPTION** IN A PIANO, KEYBOARD OR HARMONIUM USING IMAGE OR VIDEO RECORDINGS OF THE INSTRUMENT WHILE IT IS BEING PLAYED

AUTOMATIC MUSIC TRANSCRIPTION: THE PROCESS OF CONVERTING A RECORDING INTO COMMON MUSIC NOTATION.

“there exists no end-user application that can accurately and reliably transcribe music containing the range of instrument combinations and genres found in recorded music”..... [1]

ROUTE MAP



CHALLENGES AND RESULT

| | Accuracy | Precision | Recall | F1-score |
|-----------|-----------------|------------------|---------------|-----------------|
| White Key | 99.9 | 100 | 99.3 | 99.6 |
| Black Key | 99.9 | 100 | 95.2 | 97.5 |