

PROJECT REPORT ON MUSICAL NOTE GENERATION AND TRANSLATION

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



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ABSTRACT

In the project(Musical Note Generation and Translation), we are building a software which would enable people to understand music better and easier. The project focuses on providing users an interface where they can learn of the many instruments being played in a music file and modify a music. Modification of music includes change the instrument being played in a track, set different tempo, volume and many more. As such users will be able to create a whole range of different music with a single file. A user will also be able to learn of many other instruments other than the musical instrument the user is familiar with and compose different using limited instrument and as such enable the user to reach wide of audience. The software also adds a added functionality of showing the music being played in the form of user understandable notes. The project is build using the concept of midi(musical instrument digital interface). The project will show the power of midi and the functionalities it can perform. Midi was rarely used since its soundbank was of poor quality. But with recent developments, the soundbank quality has improved a lot. The software extracts controller events and modifies them event by event i.e token by token and thereby modify the whole music.