INFORMATICS INSTITUTE OF TECHNOLOGY

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In Collaboration with

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Augmented CycleGAN for Voice Conversion

A Project Initiation Document by

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Abstract

Voice Conversion is a subset of Voice Transformation technique that specializes in changing one speaker identity to another. Voice Conversion usually depends on parallel data or non-parallel for training data. The trouble with data is that its hard-to-find proper parallel data for voice conversion training To eliminate this models based on non-parallel data was developed but even then non parallel data are hard to find as well. Therefore in this project the author will be using a CycleGAN based approach combined with a Mixup augmentation technique than can extend the data on non-parallel speech corpus.

Key Words:

Voice Conversion, CycleGAN, Data Augmentation, Mix-up Augmentation