INDEPENDENT PROJECT - EE2025

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Project Title

Communication through sound

Group members

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Brief Summary

In this project we will convert data into sound that can be played by the speakers. These sounds can then be detected through a microphone and converted back into data. Once the communication is successfully established , we will apply appropriate channel coding to decrease bit error rate. By the end of the semester we will show this communication with minimal bit error rate.

The project is completely **Software-based**.

Tentatively we are planning to do this project in Python.

Guidance

We are doing this project under the supervision of **Dr Shashank Vatedka**.