Ahsanullah University of Science and Technology

Project Idea Submission

Course Code: EEE3208

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Image Transmission Technique Comparison using PCM, FM, and SSB in MATLAB

Overview:

This report proposes a comprehensive study and comparison of three well-known image transmission techniques: **Pulse Code Modulation (PCM), Frequency Modulation (FM), and Single Sideband Modulation (SSB).** Matlab app simulation will be used for this project. This project aims to evaluate and compare the performance of these modulation techniques in the context of image transmission.

Project Objectives:

- Implement Modulation Techniques
- Evaluate Signal Quality
- Visualize and Compare Results
- Document Code and Methodology