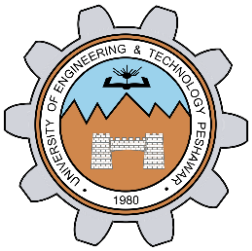
"Filtration and denoising System"

Project Proposal



CSE301L Signals & Systems Lab

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Filtration and denoising

Introduction:

A filtration and denoising system is a technology or process that removes unwanted noise or artifacts from a signal or dataset, improving its quality and making it easier to analyze or interpret.

Objective:

The objective of this project is to develop and implement efficient and effective techniques for signal filtration and denoising. The goal is to remove unwanted noise and artifacts from signals, enhancing their quality and reliability for various applications. This project aims to provide practical solutions for real-world signal processing challenges.

Application:

Apply the developed techniques to real-world applications, such as audio and video processing, biomedical signal analysis, communication systems, and sensor networks.

- Software Used: "MATLAB 2015b".
- Programming Language Used: "MATLAB".

Project Timeline:

The project is estimated to be completed within two weeks Insha Allah.

Conclusion:

We believe that this project will significantly contribute to the field of signal processing and address the growing demand for high-quality and reliable signal filtration and denoising solutions.

References:

https://www.google.com/url?sa=i&url=https%3A%2F%2Fterpconnect.umd.edu%2F~toh%2Fspectrum%2FSmoothing.html&psig=AOvVaw03Bes558KQzq67Rc7JyVct&ust=1686073358725000&source=images&cd=vfe&ved=0CBQQ3YkBahcKEwiIv6jy1qz_AhUAAAAAHQAAAAAQBA