

Subhash Gubba

SigSys Final Project Proposal (**Revised**)

Topic: Implementation of Adaptive Filters

Deliverables / Goals:

- Will not work with a partner
- Implement in the image domain (?)
- Implement in the audio domain (?)
- Apply Machine Learning to improve performance (?)
- Create a demonstrative video about the project
- Python vs. MATLAB
- Provide a script with my function written
- Show a simple example of the implementation
- Compare against other filters / packaged functions
- Provide a comprehensive explanation and walkthrough of adaptive filter design
- Provide list of resources
- Create a blogpost dedicated to this project