# Project Title

Image compression based on non-parametric sampling in noisy environments.

# Goals/Milestones

* Literature review
* Devise algorithm to create holes in image
* Test algorithm on a variety of images
* Create the simple channel
* Test a transmission of an image with and without holes
* Introduce errors to the channel
* Handle the errors introduced to channel at receiver
* Test error handling
* Transmit image with errors and error handling
* Test combination of image with holes and errors

# Deliverable

* Holes can be introduced into an image
* Holes can be filled after received
* The reconstructed image must be a compressed version of the original

# Project Schedule

Time to complete: 6 weeks

* Literature review – 1 week
* Algorithm set up – 1.5 weeks
* Introducing errors – 0.5 weeks
* Handling errors – 2.5 weeks
* Debugging – 1 week
* Documentation – throughout project