**Implementing Image Operations On a Client Server Scenario**

**Abstract**

Digital Image Processing is a prominent technology and it has multiple applications. It has various image operations and any complicated image application is a group of these basic fundamental image operations.

Implementing an image operation is not only a time consuming operation but also requires a high level language. In a case like implementing image operation on web based client-server application is a challenge. The server has to engage the image processing and the client has to be continuously notified with the status and on completion the result must be served to the client.

In this project, a few chosen image operations - Negative Of an image, Contrast Stretching, Gray Level Slicing, Bit Plane Slicing, Histogram & Histogram Equalization, Image Subtraction – are implemented as web application based operations. Each operation takes an image file as upload and executes the requested operation on the server and delivers the result to the client on completion. The client meanwhile will be notified with the status until the operation is complete and this communication is handled via ajax.