**Advanced Programming 2023/24 – Assessment 3 – Group Project**

**Image Filters, Projections and Slices**

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| **Group Name:** |  | |
| **Student Name** | **GitHub username** | **Tasks worked on** |
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# Algorithms Explanation

## 2D Image Filters

### Grayscale:

### Brightness:

### Histogram equalisation:

### Thresholding:

### Salt and pepper noise:

### Median blur:

### Box blur:

### Gaussian blur:

### Edge detection filters:

## 3D Data Volume

### 3D Gaussian Blur:

### 3D Median Blur:

### Maximum intensity projection:

### Minimum intensity projection:

### Average intensity projection:

### Slicing:

# Performance Evaluation

## Image size

## Volume size

## Kernel size

# Potential Improvements/Changes