**Format of submission**

Submission contains MATLAB files with necessary code and .docx file with results and explanations which has to be archived in **ZIP FILE** with the following name:

lab<#>\_<IDnumber1>\_<IDnumber2>, where # is a lab number.

**Lab 5: Filtering and Edge Detection**

**Tasks to do:**

Read the file EdgeDetectionFilters.

**Independent work:**

Write 4 functions for:

Prewitt,

Sobel,

Roberts and

Laplacian Filtering.

Take the image lena512.jpg.or another image Show the results of each filtering in subplots in accordance with the subplots from the file EdgeDetectionFilters .