Benha University   **Faculty of Computers & Informatics**
Class: 4th Year Students   **Date**:29/2/2012
Subject: Computer Vision

Task 1 (Individual):

I.   Due

March 7, 2012, at the beginning of class.

II.   Objectives

1. Learn how to deal with image
2. Learn how to classify regions

III.   References

1. Slides and handouts posted on the course Web site.
2. Lab handouts.

IV.   Software Required
1. Matlab
2. Microsoft Word

V.   Assignment

1- Read "spine.tif" image.
2- Calculate size of "spine" image.
3- Convert "spine" image to grayscale image.
4- Intialize rgb matrix to zeros.
5- Classify gray image into set of colours where.
- set pixels value less than 50 to blue colour.
- set pixels value between 50,100 to yellow colour.
- set pixels value betwwen 100,150 to green colour.
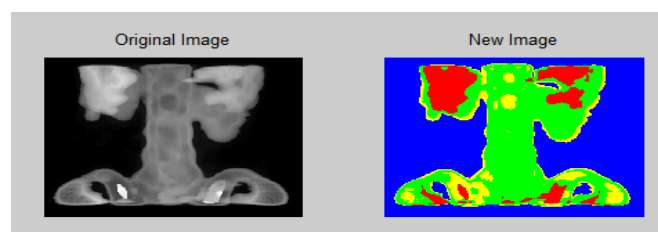- set pixels value greater than 150 to red colour.
6- fig.1 is the output result.

Fig.1

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