The mark for basic project is 3. To get better mark the project ought to be improved.

1. Multispectral analysis. Use unsupervised clustering algorithms (i.e. k-means, mean-shift) algorithms to segment 3D brain images acquired from various MRI modalities (*)

2. Application for local and global thresholding in blood vessels 3D images (*)

3. Application for seed growing algorithm with various connectivity criteria (*)

4. Algorithms for background removal (*)

5. Algorithms for background equalization (*)

6. Software to visualization of 3D structures from 3D medical images (**)

7. Software to visualization vector described medical data (*)

8. Medial axis skeletonization and visualization for 3D images (*)

9. Level set method (***)

10. Software to 2D display and image processing (*)

11. Software to 3D display and image processing (*)

12. Software to process all 2D image files inside folder (*)