***General Propose of Work***

1) Remove traps

2) Find cells around trap

3) count each cell around trap

4) label each cell around trap

5) Find area of each cell

6) Find pixels of each cell

7) Find bounder of Each cell

8) Count all cells in one sequence image (HYAA-chip)

9) Finding total Mother Cells

10) Finding daughter cells

11) Finding daughter’s daughter cells

12) Image Alignment

13) Compare cell of each sequence

14) Identify cell changes for mother cells

15) Identify cell changes for daughter cells

16) Categorize all the cells

1. Possible options:
2. Detect cells
3. Detect cell pixels
4. Detect area of Cells
5. Collected information:

**Coins Detection:** (BlobsDemo.m)

1) Counting coins (useful)

2) Finding area of coins (useful)

3) Finding boundaries (useful)

4) Finding pixels of coins (useful)

5) Finding position of coins (useful)

6) Finding label of coins (useful)

**Image Matching:** (MatchCard.m)

1) Finding edges with high contrast

2) Compare edges of each image (useful)

3) Image Alignment (useful)

**Motion Detection:**(FacePeopleDetection.m)

1) Identify image of each person

2) Identify moving person

**Face Tracking Motion:**(visionfacetrackingKLT.m)

1) Tracking face while is moving (useful)

2) Constant detection

1. Task to Do:

**Part -A**

1) Remove traps

2) Find cells around trap

3) count each cell around trap

4) label each cell around trap

5) Find area of each cell

6) Find pixels of each cell

7) Find bounder of Each cell

**Part-B**

1) Count all cells in one sequence image (HYAA-chip)

3) Finding total Mother Cells

5) Finding daughter cells

6) Finding daughter’s daughter cells

**Part-C**

1) Image Alignment

2) Compare cell of each sequence

3) Identify cell changes for mother cells

4) Identify cell changes for daughter cells

5) Categorize all the cells