

Team meeting Report

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Progress:

Geoffrey: used vectors to create array to simplify the process. Worked with Patricia to combine their works together in UI.

Patricia: created a window that have a slide bar and buttons. The slide bar is used to adjust intensity brightness, blurring, and value of contrast to give the user the ability to enhance the image to detect the droplet manually. Whereas the buttons make it more user friendly to load, refresh, create or remove a circle.

Suleyman : used a Hough transform method to detect droplets but the accrues isn't good for all samples.

Anwar: successfully extract the background from the images. Hough transform and fined contours was used to detect droplets. Findcontours wasn't successful and it need a lot of work and Hough transform works well, yet as Suleyman not for all samples.

Work in progress:

Using slide par to adjust the parameter of Hough transform to give the user to select the perimeters based on the nature of the samples. Possible? Geoffrey & Patricia will implement the slide bar to test if it's possible to change the parameters for the aim of batter detection. Moreover they will give the user the choice of using haar classifier (ML) or Hough transform (IP) to detect the droplets.