

Project management

① Timeline, Milestones & Deliverables

until 10.05. (first week)	<u>First steps</u> Plan & organize data & timeline	• read & research resources • Understood and organized data • planned timeline & organized teamwork and GitHub → input images
17.05. (second week)	Project proposal & Data visualization	• finished project proposal • understood Otsu thresholding and other steps • analyzed our data (histogram & Data analysis) → first look • Brainstorm ideas
31.05. (3 rd & 4 th week)	Data analysis & Code main algorithms	• analyzed intensity, μ & σ of data (histograms) • code for Otsu & Dice is ready
07.06. (5 th week)	Test pipeline & preprocessing	• applied Otsu & Dice to all data • implemented different preprocessing methods → applied them & compared to unprocessed images
14.06. (6 th week)	Implement local threshold & optimization	• sliding window scheme is implemented • Code is optimized & organized
21.06. (7 th week)	Alternative evaluation methods and/or two-level-threshold.	• implement two-level-threshold and alternative eval. methods → compare
28.06. (8 th week)	cell counting	• implement cell counting algorithm
05.07.	ONE WEEK BUFFER	compare to other teams
20.07.	FINAL PRESENTATION	• clean GitHub • write final report & presentation = RESULTS

② Team

- Meeting twice a week : 1x live, 1x online
- First meeting: work together, assign to-do's, plan
- Second meeting: check-in

— ◦ pair programming

③ Git Hub

- explain repository structure
- explain issues & Project (columns)