

# Retrospective Document

Sprint-3  
08.05.2016

## Work & Test Progress

Code ( $IM_1, \dots, IM_n$ ) & List the **implementation milestones** (only short descriptions) planned for this sprint along with their completion percentages. (Do not list any details at workpackages/tasks level.)

IM5: Sprint 3 - Voice Command Support: Integrating visual commands with voice - %100

IM6: Sprint 3 - OCR: Making OCR for digital screen part of measurement devices - %20

IM7: Sprint 3 - Machine Learning Improvement - %100 (However, this is a continuous progress.)

IM8: Sprint 3 - GUI Improvements (%100)

Code ( $TM_1, \dots, TM_k$ ) & List the **testing milestones** (only short descriptions) planned for this sprint along with their completion percentages. (Do not list any details at workpackages/tasks level.).

TM7: Voice Command Testing (related with IM5): - %100

TM8: Machine Learning Testing (related with IM7): Testing new database with several variables. - %100

TM9: Operator GUI Testing (related with IM8): Upload zip file, server connection, full integration with both GUI's (%100)

## Team Progress

List the team members along with their contribution percentages. Make sure that you have declared realistic numbers.

Öykü Özlem Çakal - %25

Sinan Sarioğlu - %25

Sevim Begüm Sözer - %25

Mert Ünsal - %25

Note to assistant and to supervisor:

Make sure that the actual percentages match with the declared percentages and indicate this in your report if there is any discrepancy.

## Left-overs (Backlog)

List the **milestones** (only short descriptions) that could not be completed in this sprint along with their left-over percentages. Give your reasons for each of the incomplete milestone(s).

IM6: Sprint 3 - OCR: Since it is not certain that if we are going to read the digital screen with ML or OCR, we progressed less. Actually, we tested ML for this purpose more.

## Next Sprint

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List the **milestones** that will be targeted in the next sprint.

IM9: Sprint 4 - Machine Learning Improvement

IM10: Sprint 4 - OCR

IM11: User GUI Improvements

IM12: Operator GUI Improvements (including camera- device integration)

## Team Comments

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*Your comments (if any) regarding to this completed sprint.*

In ML part, we use an end-to-end ML technique which is Minimal Bag of Visual Words Image Classifier. The results that we get with ML are not very promising. We are trying to optimize this technique for our project by changing the variables in algorithm's scripts. However, until now, we could not make a progress sharply. Unfortunately, we believed that we are stuck. We are looking for new solutions.

*In Gui part, we changed our camera since It was taking bad resolutined photos with webcam. Now currently, we can control a DSLR camera by command line on Mac OS however, integration with GUI on Windows couldn't finished successfully.*

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*This section should be filled in by the Team.*

## Assistant Evaluation

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*Assistant's (Team Leader's) comments regarding to this completed sprint.*

Write down your comments if the team has not made satisfactory progress in this sprint.

Also indicate whether the team's report on their progress (i.e. the reported completion percentages in the retrospective document) are accurate.

*This section should be filled in by Assistant (Team Leader)*

## Supervisor Evaluation

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*Supervisor's (Team Leader's) comments regarding to this completed sprint.*

*This section should be filled in by Supervisor*