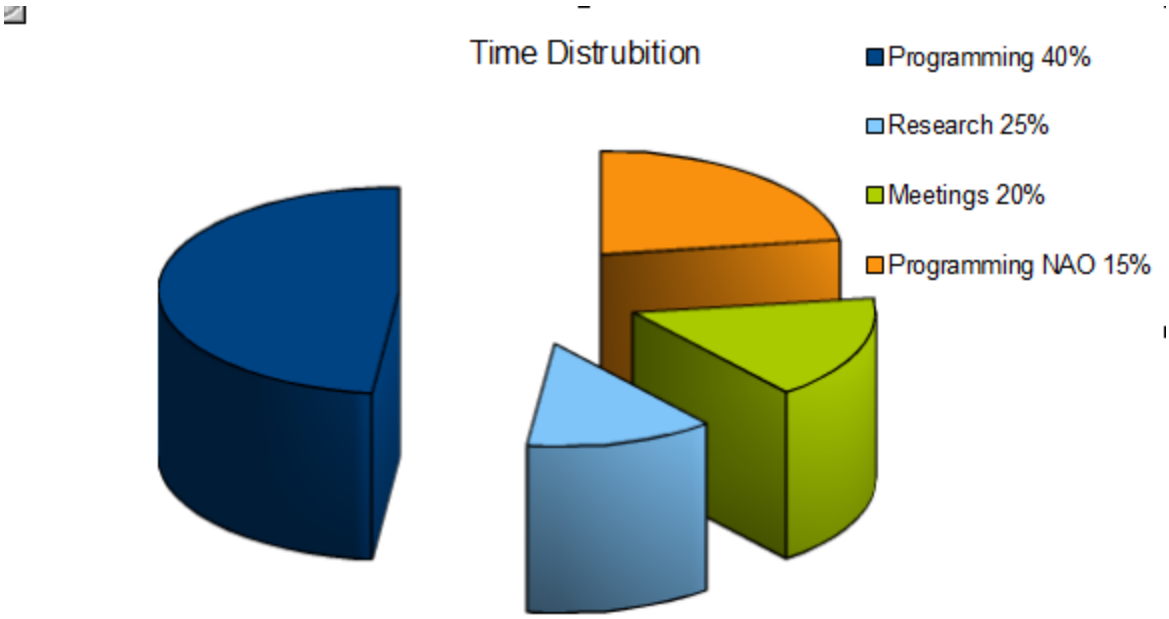
Time Distribution and Scrum Meetings

Everyone had signed up for tasks and because all weren't that experienced with python or programming overall a lot of time went for researching and understanding the language and structure. The project wasn't the only subject that we had to work with and because of that we couldn't only be focusing on the NAO robot. Also with the lack of knowledge and the experience we had, made it harder to know what exactly to research about and we lost productive working hours.

It wasn't till the end of the project that we thought it was a good idea to divide the task among people. Giving them tasks that suits their knowledge.

We had 4 daily scrum meetings a week where we meet up in school in person, and at least one of them was more than 5 min. This was documented. There were times when we used Skype instead of meeting up, but most of the time you couldn't hear each other. Very shortly when we decided to not use Skype that often, only during "emergency", where a meeting was really important to not miss. There were some struggling when it came to hear that person on the other side of the screen.



Scrum Meetings documentation

Date: Thursday 20th March **Opened:** 11:00

Attendance list:

Present: Markus, Mengjiao, David, Fredric Nicole and Flutra
Absent: Greg
Notified absence: Emil

Scrum

What have been done? Any problems? What will we do next?

No further progress with the project more time spent on researching. Other topics such as courses and exams have been more at the center and more effort put on them. A team member may leave the group and there is unsolved issues in the group. For next meeting there will be more time were we work on the project.

Date: Friday 21th March **Opened:** 11:00

Attendance list:

Present: Fredric, David and Mengjiao
Absent: Greg and Emil
Notified absence: Markus and Flutra

Scrum

What have been done? Any problems? What will we do next?

Still no work put on the project. Being a member short made the work moral sink. Previous planning was not achieved and work needs to start kicking in. Next meeting will be the retrospective.

Retrospective – Sprint 1

Review

Sprint Goals 16 Point / 1 Chore
Design and Implementation of the network module.

Sprint Achievement: 0 points / 0 Chores
-Socket connector starts but actively refuses connection-
-Found examples for the encoder/decoder

Retrospective

Sprint Problems

-Too little time spent on researching
-Ambiguous tasks, Clarify more
-TAD
- LAD
- QM
- Lack of Communication
- A member dropping out (No risk management)

- Lack of/reduction in work morale

Technical Debt: 16 point / 1 Chore
Questions:
Have you thought testing strategy?
--Dedicated tester: Fredric
Debt Strategy:
- Restart the sprint (No new items in the new sprint)
- Nicoles part is given to Markus

Insights and feedback:
- We need to help those who are lagging behind
- Daily Scrum, every day. At least 4 times a week.
- Being on time.
- Try and put down required hours per week. (16 hours per sprint/person)
- Improve Communication
- Medical proof of sleeping disorder from Greg (for Thor)
- More information from the scrum master about daily objectives (Talk to everyone)
- Adherence to the directions of the scrum master
- Need new meeting secretary
- Set up meeting template
- Information should go to Markus first

Conclusion: Sprint Failed
Date: Monday 7th April **Opened:** 11:00

Attendance list:
Present: Markus, Mengjiao, David, Fredric, Flutra and Emil
Absent: Greg
Notified absence:

Scrum

What have been done? Any problems? What will we do next?

Markus has done both his and Nicoles sprint. The rest is still in progress. Not fully satisfied with the communication in the group but has been improved but not much. Need to get the rest done and get help from each other when needed.

Retrospective – Sprint 2

Review
Sprint Goals 16 Point / 0 Chore
Sprint Achievement: 10 points / 1 Chores
Encoder(JSON - Server) - ME
Decoderr(JSON - Server) - ME
Socket Connection Module(NAO) - ES

Socket Connection Module(Server) - ES
Receiver Module(Server) - DL
Transmit Module(Server) - DL
Receiver Module(NAO) - MW
Transmit Module(NAO) - MW

Retrospective

Sprint Problems

Too much work with side courses

Technical Debt: 6 point / 0 Chore
E/D language - FT
Encoder(JSON - NAO) - GC
Decoder(JSON - NAO) - GC
LED Random - FE

Questions:

Debt Strategy:

Get it done

Insights and feedback:

- People need to ask for help
- Communication has improved but there needs to be further development on that front.
- Short daily scrum reports from Greg.(no more than 3-4 sentences.)

Conclusion: Sprint Successful

Date: Tuesday 15th April **Opened:** 11:00

Attendance list:

Present: Markus, Mengjiao, David, Fredric, Flutra and Emil
Absent: Greg (Updates from the doctors, Thrombosis in his heart)
Notified absence:

Scrum

What have been done? Any problems? What will we do next?

Work is slowly being improved, the current sprints needs to be done so new already and not wait till the next retrospective. We are lagging far behind the schedule. Next meeting will be held in the robot room where will also be other courses involved.

Date: Monday 21th April **Opened:** 11:15

Attendance list:

Present: Markus, Mengjiao, David, Flutra and Greg (30 min late)
Absent:
Notified absence: Fredric and Emil

Scrum

What have been done? Any problems? What will we do next?

Mengjiao started to work with "extra sprints"
Greg talked with Thor and the E/D part seems to be in Davids and Markus tasks.
Markus and **David** had their task already done without realizing it. With Thors late feedback telling them this they therefore some time where lost.
Flutra still not done, asked Thor to have a look on the file and it looked to be on the right track, but needed some changes.
Everyone have been struggling with their part more or less and have been a bad impact on the workload, we need to speed up and get stuff done for next retrospective (hopefully earlier). Also the fact that we are sometimes working blindfolded, we lose a lot of time. We need to get better on asking for help!
Next meeting will be tomorrow (22/4) at 10. Greg will be in at 11. The meeting will be held in the robot room. Main focus will be completing what we have left for our sprints and work with the NAOrobot so we have something to show for the presentation.

Date: Tuesday 22th April **Opened:** 10:00

Attendance list:

Present: Mengjiao, Flutra and Greg (11:ish)
Absent:
Notified absence: Markus, David, Fredric and Emil

Scrum

What have been done? Any problems? What will we do next?

Flutra is working on her sprint and it's more or less done. We tried NAOs voice recognition. Playing around with it and it might be a potential showcase for the presentation on friday. Next meeting the retrospective.

Retrospective – Sprint 3

Review
Sprint Goals 15 Point / 0 Chore
Sprint Achievement: 10 points
Databridge assembled - 8 points
Com protocol - 2 points

<u>Retrospective</u>
Sprint Problems
Too many people on the databridge

Problem accessing the robot due to holidays, lectures and tests

Technical Debt: 5 points
Movement- 2 points
Audio recording- 3 points
Questions:
Thor will be there friday 2nd of may
Debt Strategy:
Do it next sprint
Insights and feedback:
Com is getting better but needs improvements
Cookies at the next retrospective and on friday the 2nd
Use the robot time better

Conclusion: Partial success

Date: Monday 28th April **Opened:** 10:00

Attendance list:

Present: Markus, Mengjiao, David, Flutra, Fredric and Emil
Absent: Greg
Notified absence:

Scrum

What have been done? Any problems? What will we do next?

Relocated the members and having only two people on the data bridge, this should save us time to have more members on other topics and able to help they who need it. Can not miss any more time with the robot, already having limited time and therefore the robot time will be prioritized.

Date: Friday 2nd May **Opened:** 10:00

Attendance list:

Present: Markus, Mengjiao, David, Flutra, Fredric and Emil
Absent: Greg
Notified absence:

Scrum

What have been done? Any problems? What will we do next?

The project have been on hold because of exams. Continue with our sprints.
Fredrik:
Finger dex 1 point
--Several settings
Arm movement: 2 points
--Every joint
--Specific degrees
Emil:
Audio and video recording: 2 points
--Record
--Saved file should have a specific name
Deleting a file: 2 points
--File should be deleted with name
David and marcus: 8 points
Databridge
--Sending pictures
--Sending video
--Sending JSON
Mengjao 3 point
Movement:
--Take values as input
--move accordingly
Fluttra 3 point
Shape recognition:
--Find a library
--input is a picture
--output is a name

Retrospective – Sprint 4

Review
Sprint Goals 21 Point / 0 Chore
Sprint Achievement: 10 Points
Databridge can send images (2 Points)
Finger Dex (1 point)
Find image recognition library (1 point)
Audio and video recording: (2 points)
--Record
--Saved file should have a specific name

Movement: 3 point
--Take values as input
--move accordingly

Deleting a file: 2 points
--File should be deleted with name

Retrospective
Sprint Problems:
Technical Debt:
Arm movement: 2 points
--Every joint
--Specific degrees

Databridge assembly complete: 6 points
--Sending video
--Sending JSON

Shape recognition: 2 point
--input is a picture
--output is a name
Questions:
Debt Strategy:
Insights and feedback:
Thor needs to talk to Greg about project contribution.
2h Debug session with the databridge(Marcus, David, Fredrik)
When things don't work, just hack around it.
Conclusion:

Date: Friday 2nd May **Opened:** 10:00

Attendance list:
Present: Markus, Mengjiao, David, Flutra, Fredric and Emil
Absent: Greg
Notified absence:

Scrum

What have been done? Any problems? What will we do next?

Starting to giving up because things just don't want to work. For a long time the project have been on the same position without any progress to a fully function program. Something not working correctly and struggling to figure exactly what that problem is.

Retrospective – Sprint 5

Next sprint:

Fredrik: 4 Points
Hand to eye coordination
--Find gun
--Shoot gun

Emil: 4 Points
Same as last sprint

David and marcus: 8 Points
Databridge:
--send JSON
--send Audio

Mengjao: 4 points
Custom Speech Output

Fluttra and Greg: 8 points
Image recognition
-- Take a set of images and pick out an object

Date: Friday 2nd May **Opened:** 10:00

Attendance list:

Present: Markus, Mengjiao, David, Flutra, Fredric and Emil
Absent: Greg
Notified absence:

Scrum

What have been done? Any problems? What will we do next?

Realizing that we have to change the entirely plan, and instead have some alternative version of the main ideas of the project. A hand sized nerf gun has been bought, instead of a cross boy that was too heavy for the robot to be able to aim with. Almost everything that has been done so far will be our "dead code" and we need to program with only python code and using timeline from choregraphe and the robots API. A landmark can be detected by the robot and almost successfully shoot that target, but at the moment there is some struggles with the robot triggering the gun. It seems to be to strong for the robot. We will continue with what we have and hopefully get an extra day with the robot for the recordings. If there is time, we will try and use some of the functions we already have, e.g LEDeye changing color, speech recognition.

Review

Sprint Goals:

Finalize the project (20 points)

Sprint Achievement:

25 Points

Retrospective

Sprint Problems:

Time with the robot

Technical Debt:

Questions:

More time with the robot

Debt Strategy:

Insights and feedback:

Conclusion:

Successful

Next sprint:

Record the robot

Date: Saturday 24th May **Opened:** 10:00

Attendance list:

Present: Markus, Mengjiao, David, Flutra, Fredric and Emil

Absent: Greg

Notified absence:

Scrum

What have been done? Any problems? What will we do next?

We have some video clips that needs to put together, and most of the program is done. What needs to be done is the speech recognition, but without the robot we can't see if the code is functional. This might be an future operation.

Summary:

Present

David 97,5%, Emil 95%, Flutra 100%, Fredric 100%, Greg 7,5%, Markus 100%, Mengjiao 100%