

# Stand-up Notes

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## 23.03.2023

As group: Setup project plan, and create a sprint planning via GitHub projects. Create a sprint planning for Canvas, being the same as GitHub sprint planning. <br>

Dimitar: - <br>

Luuk: - <br>

Rik: - <br>

Jorn: - <br>

## 30.03.2023

As group: Going through previous group's documentation.<br>

Dimitar: Familiarizing with TwinCAT.<br>

Luuk: Familiarizing with TwinCAT.<br>

Rik: Familiarizing with TwinCAT.<br>

Jorn: Searching for possible software for visualisation.<br>

## 31.03.2023

As group: Try to get the robot arm to work with work of previous group.<br>

Dimitar: Familiarizing with TwinCAT.<br>

Luuk: Familiarizing with TwinCAT.<br>

Rik: Familiarizing with TwinCAT.<br>

Jorn: Searching for possible software for visualisation.<br>

## 04.04.2023

As group: -<br>

Dimitar: Research for CanOPEN communication.<br>

Luuk: Called in sick.<br>

Rik: Research for CanOPEN communication.<br>

Jorn: Create documentation for choice of visualisation tool.<br>

## 04.05.2023

As group: -<br>

Dimitar: Research for CanOPEN communication, familiarize with TwinCAT.<br>

Luuk: Called in sick.<br>

Rik: Try to fix TwinCAT on laptop.<br>

Jorn: Create documentation for choice of visualisation tool.<br>

## 13.04.2023

As group: -<br>

Dimitar: Research for CanOPEN communication.<br>

Luuk: Document findings on TwinCAT.<br>

Rik: Try and work with old Unity code from previous group.<br>

Jorn: Create documentation for choice of visualisation tool.<br>

## 14.04.2023

As group: Prepare for presentation with Oswald<br>

Dimitar: Look into courses recieved from Oswald.<br>

Luuk: Try to find a solution on CAN/programm stuff on plc.<br>

Rik: Called in absent.<br>

Jorn: mess arround with Unity, try some tinghs.<br>

## 20.04.2023

As group: Sprint review.<br>

Dimitar: Try to figure out CANopen communication.<br>

Luuk: Try to find out how the ADS protocol works.<br>

Rik: Try to find out how the ADS protocol works.<br>

Jorn: Create a conveyor belt in untiy.<br>

## 21.04.2023

As group: Progress snapshot review with Suzana.<br>

Dimitar: Try to figure out CANopen communication and TwinCAT courses.<br>

Luuk: Document the ADS research and design the object location and size communication.<br>

Rik: Experiment further with ADS connection between Unity and TwinCAT.<br>

Jorn: Improving the conveyor belt in Unity.<br>

## 27.04.2023

King's day, no progress made.

## 28.04.2023

As group: <br>

Dimitar: <br>

Luuk: <br>

Rik: <br>  
Jorn: <br>  
Forgot to report progress.

**4.05.2023**

Spring break, no progress made.

**5.05.2023**

Spring break, no progress made.

**11.05.2023**

As group: -<br>  
Dimitar: Extracting usefull CAN commands, and creating the message structure for can in structured text.<br>  
Luuk: Try to send commands to robot in C# via ethernet.<br>  
Rik: Finishing up the ADS, so it can be implemented in Unity.<br>  
Jorn: Getting the data from the menu screen to the visualistation.<br>

**12.05.2023**

As group: -<br>  
Dimitar: Create documentation on why CANopen isn't a valuable option for communication with the robot arm.<br>  
Luuk: Try to send commands to robot in C# via ethernet.<br>  
Rik: Finishing up the ADS, so it can be implemented in Unity.<br>  
Jorn: Getting the data from the menu screen to the visualistation.<br>

**18.05.2023**

Assention day, no progress made.

**19.05.2023**

Free from school, no progress made.

25.05.2023

As group: <br>

Dimitar: <br>

Luuk: <br>

Rik: <br>

Jorn: <br>

Forgot to report progress.

26.05.2023

As group: <br>

Dimitar: <br>

Luuk: <br>

Rik: <br>

Jorn: <br>

Forgot to report progress.

01.06.2023

As group: -<br>

Dimitar: Integrating message handling with tcp client.<br>

Luuk: Integrating message handling with tcp client.<br>

Rik: Implementing ADS into Unity.<br>

Jorn: Implementing ADS into Unity.<br>

02.06.2023

As group: -<br>

Dimitar: Integrating message handling with tcp client.<br>

Luuk: Integrating message handling with tcp client.<br>

Rik: Implementing ADS into Unity.<br>

Jorn: Implementing ADS into Unity.<br>

01.06.2023

As group: -<br>

Dimitar: Integrating message handling with tcp client.<br>

Luuk: Integrating message handling with tcp client.<br>

Rik: Implementing ADS into Unity.<br>

Jorn: Implementing ADS into Unity.<br>

## 02.06.2023

As group: Sprint review.<br>

Dimitar: Integrating message handling with tcp client.<br>

Luuk: Integrating message handling with tcp client, creating the sprint review from sprint 3.<br>

Rik: Further implementing ADS.<br>

Jorn: Further implementing ADS, creating the planning for sprint 4.<br>

## 08.06.2023

As group: -<br>

Dimitar: trying to make the robot move, and integrating message handling with tcp client.<br>

Luuk: trying to make the robot move, and integrating message handling with tcp client.<br>

Rik: Problem solving ADS so visualisation moves smooth.<br>

Jorn: Problem solving ADS so visualisation moves smooth. Create a detection zone on conveyor belt that detects if a cube is in range for robot arm, and then stop the conveyor belt.<br>

## 09.06.2023

As group: -<br>

Dimitar: Going to try to get the robot move to a certain position using reverse cinematics, adding functionality to message builder.<br>

Luuk: Going to try to get the robot move to a certain position using reverse cinematics, adding functionality to message builder.<br>

Rik: Create a detection zone on conveyor belt that detects if a cube is in range for robot arm, and then stop the conveyor belt.<br>

Jorn: Create a detection zone on conveyor belt that detects if a cube is in range for robot arm, and then stop the conveyor belt.<br>

## 15.06.2023

As group: -<br>

Dimitar: Integrating inverse kinematics, and making the robot state machine for pick and place object.<br>

Luuk: Integrating inverse kinematics, and making the robot state machine for pick and place object.<br>

Rik: Fixing documentation, bug fixing with integrating unity with robotarm.<br>

Jorn: Start to work on project final report, bug fixing with integrating unity with robotarm.<br>

16.06.2023

As group: full integration, and documentation<br>

Dimitar: -<br>

Luuk: -<br>

Rik: -<br>

Jorn: -<br>

21.06.2023

As group: full integration, and documentation<br>

Dimitar: -<br>

Luuk: -<br>

Rik: -<br>

Jorn: -<br>

22.06.2023

As group: full integration, and documentation<br>

Dimitar: -<br>

Luuk: -<br>

Rik: -<br>

Jorn: -<br>