

## Project Group: Machine Learning for Predictive Maintenance

Minutes for December 16, 2020. 09:00 - 11:00

**Present:** Tanja Tornede(*Supervisor*), Anurose Prakash, Christopher Zinda, Gourav Prakash, Paul Fährmann, Saghar Heidari, Sanjay Gupta, Selami Hoxha, Vinay Kaundinya

**Minutes-taker:** Sanjay Gupta

**Topics Discussed:**

*Formal Definition of Time Series Data presentation by @Anurose.*

*Details —*

1. Update the number of timestamps.
2. Include the historical data, data sets and etc.

*Additional Information —*

1. Persons Involved: Tanja Tornede and Team.

*Discussed with the team the Formal Definition of Time Series Data.*

*Details —*

1. Update and share the latest version of formal Definition of times series data on Gitlab and with the team.
2. Take feedback from the team and decide on the final version of the formal definition of time series data.
3. This work should be supported by all members of the team.

*Additional Information —*

1. Persons Involved: Tanja Tornede and Team.

*Prepare the next 3 weeks Group plan for Milestone 2.*

*Details —*

1. Each team is expected to send their next 3 weeks of plan and task to @Vinay.
2. @Vinay will prepare the Gantt chart and share it with @Tanja.
3. Add and update each chapter, section and subsection with the name of the student and the week number.
4. Each chapter and final version of the topics shall be prepared by January 20, 2020.

*Additional Information —*

1. Persons Involved: Tanja Tornede and Team.

***Scheduled meeting with @Tanja on December 17 or 18, 2020 for each team.***

*Details* —

1. Discuss with each team about their individual topic and their 3-week plan and tasks.
  1. Time Series Feature Extraction  
Date and Time: 18-12-2020, 08:00 to 08:30
  2. Health State Classification  
Date and Time: 17-12-2020, 16:30 to 17:00
  3. Health Index Estimation  
Date and Time: 17-12-2020, 17:00 to 17:30
  4. Remaining Useful Lifetime Estimation  
Date and Time: 17-12-2020, 16:00 to 16:30

*Additional Information* —

1. Persons Involved: Tanja Tornede and team.

***How we're going to work for the next three weeks (December 21, 2020 to January 8, 2021).***

*Details* —

1. Each team should work independently on their topic.
2. If we want specific feedback, we can ask the other members of the team.
3. Each team should follow the same formalism and notation in order to keep the entire documents in line.

*Additional Information* —

1. Persons Involved: Tanja Tornede and Team.

***To do list for next week.***

*Details* —

1. Meeting with @Tanja at 8:00 a.m. on December 17, 2020 to present the latest version of the Formal Definition of Time series data and discussion.

**Next Meeting:**

1. Date and time: January 13, 2021 at 09:00 - 11:00
2. Person responsible for minutes: Selami Hoxha