Software Development Project

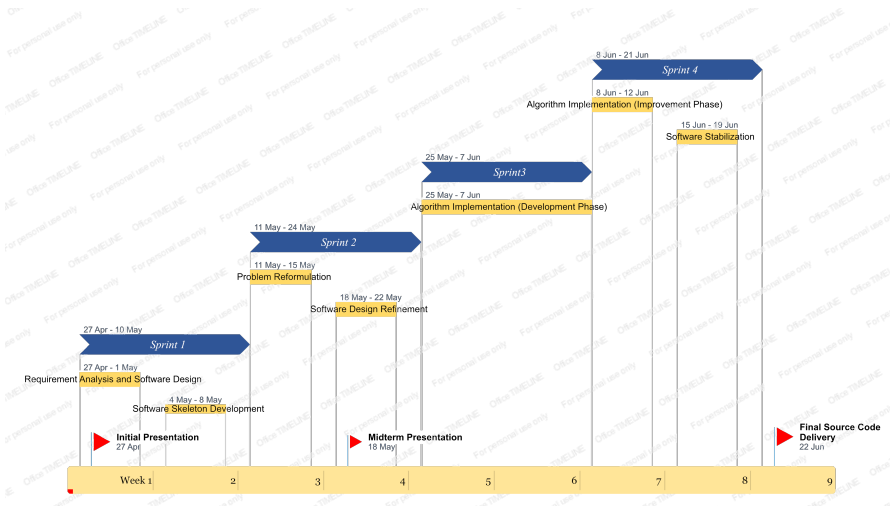## Adaptive Deployment of Safety Monitors for Autonomous Systems

April 27, 2020

Aswinkumar Vijayananth
Jithin Sasikumar
Manoj Kolpe Lingappa

Objectives

- Reframe deployment planning as a Constraint Satisfaction Problem
- Implement the algorithm
  - To select an optimal monitoring strategy
  - To identify the best matching platform for the safety monitor based on given context
- To validate the algorithm using the generated test data

Project Timeline

Hochschule
Bonn-Rhein-Sieg
University of Applied Sciences

Tool Requirements

- Programming language - Python 3.7
- Unit testing - PyUnit
- Version control - Git 2.7.4
- External dependency - MiniZn library 0.2.3
- IDE - JetBrains PyCharm
- Means of Collaboration
  - Code - GitHub (`https://github.com/AshAswin/Adaptive-Deployment-of-Safety-Monitors-of-Autonomous-Sy`
  - Meetings - Skype