Automatic Mechanical Ventilation Control (AMVC)

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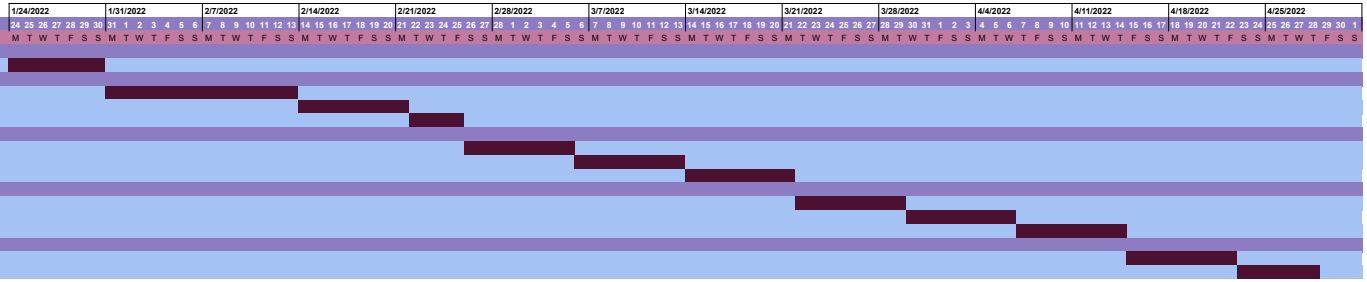
Project Start 1/24/2022

Task	Start	Days	End
Preparations			
Choosing a Project	1/24/2022	7	1/30/2022
Build a system with a reliable lung model and a regular PCV model			
Reading and Selecting from Papers	1/31/2022	14	2/13/2022
Reconstruct Simulation Models from Papers	2/14/2022	7	2/21/2022
Debugging and Making Corrections	2/22/2022	3	2/25/2022
Explore and define legit actions for RL agent(PCV controller)			
Analyzing Results	2/26/2022	7	3/5/2022
Deciding Rewards and Actions based on previous analysis	3/6/2022	7	3/13/2022
Build MDP	3/14/2022	7	3/21/2022
Build the RL environment			
Setting up Environment and Testing	3/22/2022	7	3/29/2022
Build RL Network	3/30/2022	7	4/6/2022
Training Network	4/7/2022	7	4/14/2022
Evaluate and Improve			
Research for an Evaluation Metrics for Network	4/15/2022	7	4/22/2022
Finishing Final Report and Presentation	4/23/2022	5	4/28/2022