



Driverless Weekly Sunday Report

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Date: 20/07/2025

Report No: 16

FINISHED TASKS:

PROGRESS:

1. The mechanism for SBW has been finalized. (Shadanan)
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UNFINISHED TASKS:

1. Design SBW. (Shadanan)
 2. Calculate force and finalize the setup for EBS. (Anshul)
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GOALS FOR THE COMING WEEK:

1. Finalize the design for EBS with respect to the car in CAD. (Anshul) {25/07/2025}
 2. Finish designing SBW. (Shadanan) {26/07/2025}
 3. Complete full simulation of Precharge and Discharge Circuit. (Krishna, Tushar) {23/07/2025}
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TASKPHASE STATUS:

Taskphase Strength: 6 (3+1+2)

1. Three 2nd sem recruits are currently working on MPC.
 2. One 2nd sem research recruit has submitted possible Research directions for Driverless and has been asked to look into them further.
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NOTES AND COMMENTS:

1. The order for the 6 Pin and 9 Pin Connectors from Divye Electronic Solutions is unfinished due to credit card issues. Been told to get back to them on 21/07/2025.

Abbreviations:

MPC – Model Predictive Control

EBS – Emergency Brake System

ESF – Electrical System Form

SBW – Steer-by-Wire

LiDAR – Light Detection and Ranging
