

Company and Shareholders

BB

Figure 1: The Overall Temperature Measurement and Control System Diagram

Cost Breakdown

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Project Description

The aim of the project is to design and produce a autonomous vehicle that can follow a path with varying propoerties.

Throughout the project we have followed an design methodology called Agile Methodology. Agile development approach relies on rapid development and prototype production. We have also divided the project into subsections according to V-model.

Project Specifications and Requirements

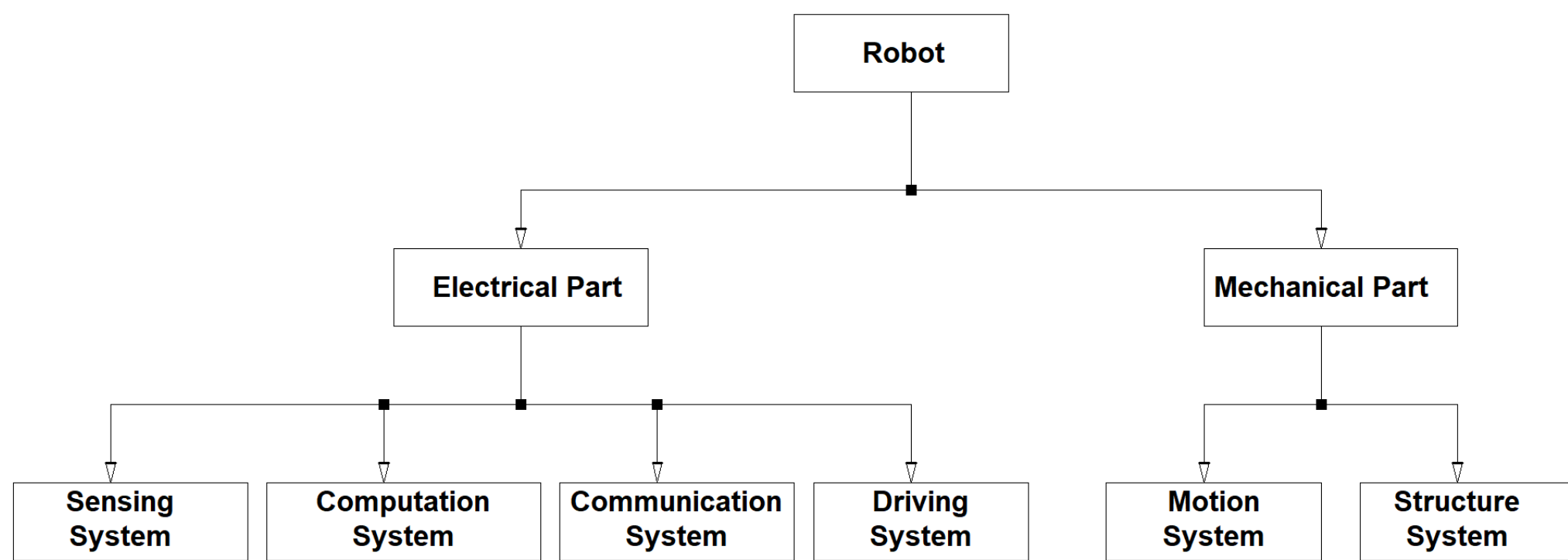


Figure 2: System Diagram of the Project

Table 1: Requirements of the Project

Project Requirements	System Requirement
Follow path in every condition	SenS: Detect lane in varying conditions CmpS: Eliminate obstacles
Complete path within 15 seconds	CmpS: Produce consistent error signal CmpS: Have robust controller performance
Not crash to opponet	SenS: Detect opponet atmost at 5 cm CmpS: Not be affected by the opponet
Communicate with opponents	CmnS: Follow the Handshake Protocol
Battery life at least 1 hour	StrS: Supply () mW power MtnS: Consume at max () mW
Production price less than \$200	StrS: Pyhsical materials cost at most \$200 MtnS: Cost less than \$35

Proposed Solution

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Deliverables

CC

References

- [1] E. Siow, T. Tiropanis, and W. Hall, "Analytics for the internet of things: A survey," *CoRR*, vol. abs/1807.00971, 2018.
- [2] "[online] mqtt, <http://mqtt.org>."
- [3] D. Cooper, *Practical Process Control Using Loop-Pro Software*. Control Station, Inc., 2005.