.MathJax svg { shape-rendering: crispEdges; } @media print { body > div { page-break-inside: avoid; page-break-after: always; } g[style*="filter: drop-shadow("] { filter: none !important; } } product-tree@page gePageFormat-___-____ { margin: 0; size: 8.27in 11.69in; } .gePageFormat-___-____ { page: gePageFormat-___-____; width: 8.27in; height: 11.69in; } .gePageFormat-___-____ > svg { margin: 0.00in; } mjx-container[jax="SVG"] { direction: ltr; } mjx-container[jax="SVG"] > svg { overflow: visible; min-height: 1px; min-width: 1px; } mjx-container[jax="SVG"] > svg a { fill: blue; stroke: blue; } mjx-container[jax="SVG"][display="true"] { display: block; text-align: center; margin: 1em 0; } mjx-container[jax="SVG"][display="true"][width="full"] { display: flex; } mjx-container[jax="SVG"][justify="left"] { text-align: left; } mjx-container[jax="SVG"][justify="right"] { text-align: right; } g[data-mml-node="merror"] > g { fill: red; stroke: red; } g[data-mml-node="merror"] > rect[data-background] { fill: yellow; stroke: none; } g[data-mml-node="mtable"] > line[data-line], svg[data-table] > g > line[data-line] { stroke-width: 70px; fill: none; } g[data-mml-node="mtable"] > rect[data-frame], svg[data-table] > g > rect[data-frame] { stroke-width: 70px; fill: none; } g[data-mml-node="mtable"] > .mjx-dashed, svg[data-table] > g > .mjx-dashed { stroke-dasharray: 140; } g[data-mml-node="mtable"] > .mjx-dotted, svg[data-table] > g > .mjx-dotted { stroke-linecap: round; stroke-dasharray: 0,140; } g[data-mml-node="mtable"] > g > svg { overflow: visible; } [jax="SVG"] mjx-tool { display: inline-block; position: relative; width: 0; height: 0; } [jax="SVG"] mjx-tool > mjx-tip { position: absolute; top: 0; left: 0; } mjx-tool > mjx-tip { display: inline-block; padding: .2em; border: 1px solid #888; font-size: 70%; background-color: #F8F8F8; color: black; box-shadow: 2px 2px 5px #AAAAAA; } g[data-mml-node="maction"][data-toggle] { cursor: pointer; } mjx-status { display: block; position: fixed; left: 1em; bottom: 1em; min-width: 25%; padding: .2em .4em; border: 1px solid #888; font-size: 90%; background-color: #F8F8F8; color: black; } foreignObject[data-mjx-xml] { font-family: initial; line-height: normal; overflow: visible; } mjx-container[jax="SVG"] path[data-c], mjx-container[jax="SVG"] use[data-c] {

stroke-width: 3; }

stroke-width: 3; }

1. Rover

1. Mechanical Systems

1. Mobility System
- 1. ActuatorSizing
- 2. Research
- 3. Suspension Model
- 4. CAD and CAE

2. Wheel Assembly
- 1. Research
- 2. CAD and CAE

3. Tires
- 1. Research
- 2. CAD and CAE
- 3. Material Selection

4. Chassis
- 1. Research
- 2. CAD and CAE

5. Storage Mechanism
- 1. Research
- 2. CAD and CAE
- 3. ActuatorSizing

- 1.
- 2.
- 3.

3. Electrical System

1. Main PCB
- 1. PCB Design
- 2. PCB Assembly
- 3. PCB Testing

2. Tractive System
- 1. Motor Selection
- 2. Motor Drivers Selection

3. Safety Systems
- 1. Emergency Switch
- 2. Fuses
- 3. Safety Circuits

4. Power Source
- 1. Battery Sizing
- 2. Battery Selection
- 3. BMS
- 4. EMS Interfacing

5. Power Regulation and Distribution
- 1. Power Distribution
- 2. Wiring

6.
- 1. Dr
- 2. Bu
- 3. P

ROAR

2. Embedded Systems

6. Drilling Mechanism
- 1. Research
- CAD and CAE
- ActuatorSizing

7. Fixations
- 1. Mast Fixation
- 2. Sensors Fixation
- 3. Cameras Fixation

8. Manufacturing
- 1. Mast Fixation
- 2. Sensors Fixation
- 1. Mast Fixation
- 2. Sensors Fixation

1. Low Level Control
- 1. Microcontroller Selection
- 2. Tractive System Control
- 3. Storage Mechanism
- 4. Drilling Mechanism

2. Data Acquisition
- 1. Sensors Selection
- 2. Cameras Selection
- 3. DAQ Interfacing

4. High Level

Electrical Kit
- ivers Module
- ucks Module
- PCB Module

1. Perception
- 1. Research
- 2. Obstacle Detection
- 3. Sample Detection
- 4. Landmarks Detection

2. Data Acquisition
- 1. Sensors Selection
- 2. Cameras Selection
- 3. DAQ Interfacing