

## **Abstract**

The project involves designing and building a drivetrain for a small vehicle that adheres to the Society of Automotive Engineers' (SAE) design constraints. The project's focus is on designing and building the drivetrain, which is a critical component of the vehicle that transfers power from the engine to the wheels. The three primary objectives of the project are:

1. To design and build a functional drivetrain for the small vehicle that meets the design constraints set by the SAE.
2. To test and validate the drivetrain's performance using various testing methods, such as simulation and on-vehicle testing.
3. To document the design and construction process in a report that includes details such as the design approach, materials used, testing results and project outcomes.