

MME 4499 – Mechanical Engineering Capstone Project Proposal Document

Name of Sponsor	Dave Green – Unimotor (Standard Motor Products)
Title of Project	
Module line Value Stream Map and improved efficiency	
Brief Project Description	
<p>Unimotor assembles approximately 90,000 DC motors per year into module assemblies. These module assemblies vary in design and complexity, requiring different processes and build flow. They are all built on the same production line with extra operations added along the line based on the need of the specific product.</p> <p>The goal of this project would be to optimize the module line for all different product categories with a target cycle time of 30s.</p>	
Desired Project Deliverables	
<p>Deliver a process flow that will improve labor efficiency and increase cycle time across the product lines that run through modules while at the same time staying in the foot print that is currently available.</p> <p>To include recommendations on new equipment or tooling to achieve the goal.</p>	