

**Title:           Enhancing Pallet Loading Efficiency**

**Sponsor:       Sabert**

Loading pallets onto semi-trailers is a critical aspect of logistics our operations. However, the manual handling of the last pallet, often referred to as the 31st pallet, presents ergonomic challenges and productivity limitations. This project proposal aims to address these challenges by exploring solutions to either automate the loading process or improve the ergonomics of manual handling, enhancing efficiency and reducing physical strain on workers.

#### Objectives

- Evaluate the current pallet loading process, focusing on the manual handling of the last pallet and its impact on worker safety and productivity.
- Investigate alternative loading configurations or equipment solutions that can accommodate the additional pallet without manual intervention.
- Design and implement ergonomic improvements to mitigate the risks associated with manual pallet handling, such as lifting injuries and fatigue.
- Assess the feasibility of automation technologies for pallet loading, considering factors such as cost, space requirements, and integration with existing systems.
- Develop a comprehensive plan for implementing the chosen solution, including timelines, resource allocation, and training for personnel.

**BUDGET:                       \$5000**