Title: INTI International University and College, Subang's Final Year Student's Projects with Auto Global Parts Industries Sdn Bhd

A collaborative effort between INTI International University and College, Subang ("INTI") and Auto Global Parts Industries Sdn Bhd has resulted in the undertaking of three projects in the Plastic Division. These projects, namely **"Plastic Roll Alert System", "Enhancing Oven Trolley for Spraying Process", and "Line Balancing to Reduce Machine Idle Time",** recently reached their conclusion with a final presentation by the students on September 26th, 2023.

1. **Plastic Roll Alert System**

During their presentation, the first team who worked behind the Plastic Roll Alert System project introduced a working prototype and detailed calculations on real-time monitoring of plastic rolls. The audience was particularly impressed by the estimates, which demonstrated the potential to reduce downtime and material wastage while simultaneously cutting costs.

2. **Enhancing Oven Trolley for Spraying Process**

The second team then presented the enhanced oven trolley for the spraying process. On top of a more efficient design, they highlighted the smart features integrated into the oven trolley to improve temperature control and safety. They also provided calculations for their project, which focused on optimising the oven trolley's dimensions and size in order to increase efficiency and cost-effectiveness.

3. **Line Balancing to Reduce Machine Idle Time**

The last team showcased their findings on line balancing to reduce machine idle time and optimise the production line. They provided detailed calculations that emphasized efficient resource allocation to eliminate bottlenecks, improve productivity and reduce production costs.

In conclusion, the collaboration between INTI Subang and AG proved the potential for improving efficiency, reducing costs, improving production quality and optimising the manufacturing process of the Plastic Division. It sets a positive precedent for future endeavours in process improvement and efficiency.

We extend our heartfelt gratitude to the students, Evelyn Wan, Chee Hao, Chee Eason, Samuel Ray, Siong Hee, Chen Wei, and Yun Han, whose dedication, ideas, and hard work were instrumental in the success of these projects. We would also like to express our appreciation to their esteemed lecturers, Mr. Hsien Loong Teow and Mr. Mohd Hafis Zakaria, for their unwavering support and guidance throughout this collaborative endeavour. With the fruitful outcomes of these projects as an inspiring framework, we enthusiastically anticipate the possibility of more similar collaborations in the near future.