

# Process Flow Chart

## Start

- Initialising all components to their starting positions
- Closing both the valves

Moving the spout to the target location for release of fluid

Opening the valve of the desired fluid container

Pumping the fluid for a fixed duration (calibrated through several testing)

Displaying the load cell reading

Pumping the fluid very briefly

Checking the weight of the fluid dispensed

- Repeating the pumping if the weight is less than desired
- Else proceeding forward

Running the pump in the reverse direction to remove any fluid remaining in the tubes

Closing the open valve

Check if 5 cycles are completed

NO

YES

END

Team Id: TW-LAM-630