**Progress report 3/4/2018**

What is the project?

The project is to convert an old COLDCHESTER STUDENT 1800 manual lathe into a CNC lathe

The lathe was already striped and some drawings complete and some parts supplied

Our project is to move forward were the last class left off and complete the lathe

Under our class contract

Main areas of focus so far

Checking drawings are correct and will work with parts supplied and if there is inconsistencies correct drawings and modify parts to suit

Identify parts still required. Make selection of the parts. Request purchase of parts

Identify parts made that require modification to be able to work on the lathe and parts that will require manufacture to complete the project

Complete design of parts not complete eg lathe cover X axis motor mount

My part in the project

Otitis and I have been working on the Z axis we have had to modify the drawings of the base plate for mounting the servo motor and bearing block

Along with modifying the motor mount bracket and drawing the second bearing mount plate and main bearing housing the represent an accurate drawing

We have done selections for the VSD for the main motor and the couplings selection for the Z and X axis

We have had the second Z axis bearing mount modified to suit 10mm bolts as existing in the second plate

Where is the project going?

Parts are now being sourced

Drawings are being finalised for manufacture

Assemble all mechanical parts and then look at the electrical and electronic requirement to make the lathe operate

Glenn Lambert 3/4/2018

**Progress report 19/6/2018**

Costing

Working with the material list from the previous class some parts had been purchased and supplied. These were checked to make sure they were correct and fit for purpose

The list was then updated to current requirements and added to for updater drawings to suit modified requirements

Components that were to manufactured in-house and required material were listed for sourcing within the tafe network

Ross will then machine these parts to the component drawings produced for various parts of the lathe

The costings for components were then compiled for Ross to then seek the funds needed to purchase the components required to complete the project. Confirmation of funding has been confirmed and finalisation of the requirements and suppliers is to be forwarded to Gavin for purchase