

IDEA SUMMARY

A lots of students lacks knowledge about how many machine related to their fields works due to insufficient or unavailability of resources to provide for it by the management. VIRTUAL MACHINE WORKSHOP is a software that enables the users to maneuver and perform a series of operations with the particular machine so as to enhance their knowledge and to understand more about the machine and how it works

TARGET AUDIENCE

Students

TARGET MARKET

Higher Institution

REQUIRED SKILLSET

Augmented Reality SDK Skills

Programming Language Skills. ...

3D Gaming Engine

Modeling Skills

Virtual reality SDK Skills

REQUIRED SOFTWARE

Autodesk Maya

Substance Painter

Unity3D

Visual Studio

Vuforia

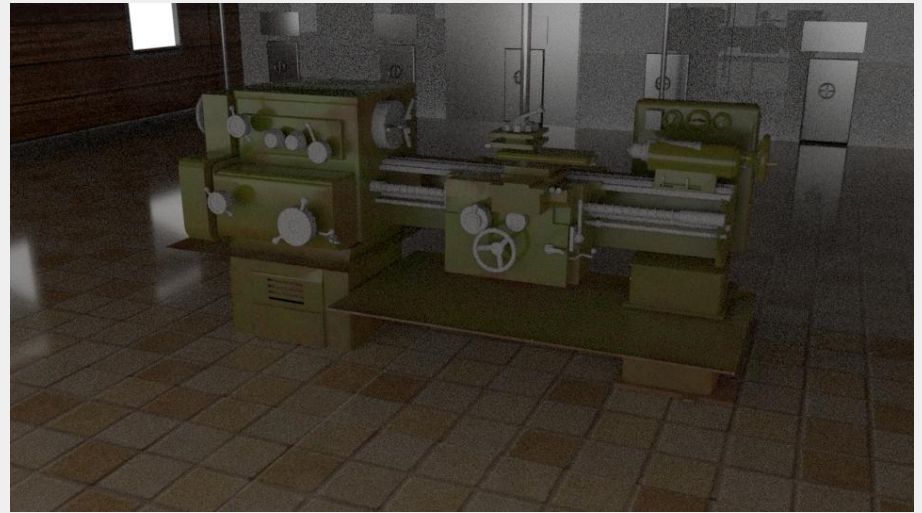
ESTIMATED PROJECT TIMELINE

Three month 20/10/2020 - 20/01/2021

CENTRED LATHE

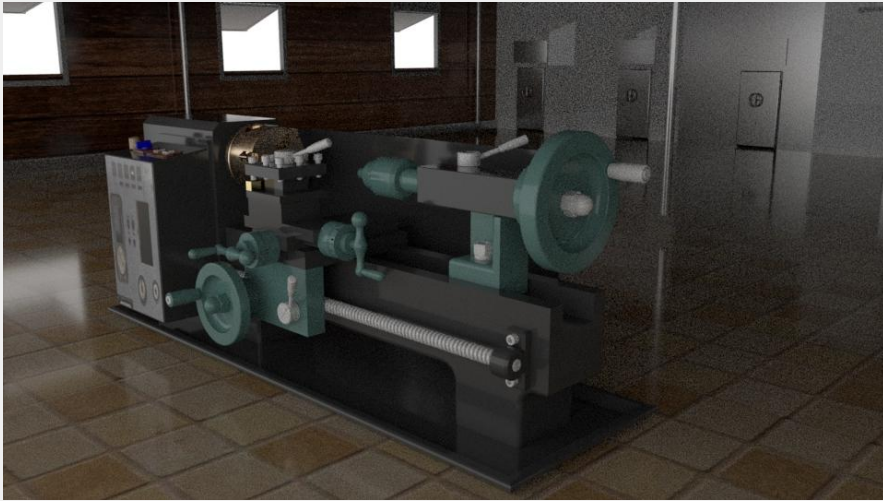
The primary use of a center is to ensure concentric work is produced; this allows the workpiece to be transferred between machining (or inspection) operations without any loss of accuracy.

Other functions include boring, threading, knurling, etc.



SPEED LATHE

Speed lathe (Mach) a power lathe with a rapidly revolving spindle, for turning small objects, for polishing, etc.; a hand lathe. Speed lathe a small lathe which, from its high speed, is adapted for drilling; a hand lathe.



CNC LATHE

CNC Lathes were made to change the current manual production lathes also known as carbide tooling. These lathes considered "CNC Lathes" are controlled by a machine tool paths and programmed by popular languages called CAD.



UNIVERSAL MILLING MACHINE

Universal milling machines are used to process different surfaces of small, low-weight parts, for piece- and serial production. ... 1 / 1. Milling of parts and work pieces on the machines is performed using different milling cutter types, such as cylindrical, disc, end and angular milling cutters.



DRILLING MACHINE

A drill or drilling machine is a tool primarily used for making round holes or driving fasteners. It is fitted with a bit, either a drill or driver, depending on application, secured by a chuck. Some powered drills also include a hammer function. Drills vary widely in speed, power, and size.



ROBOTIC ARM

A robotic arm is a type of mechanical arm, usually programmable, with similar functions to a human arm; the arm may be the sum total of the mechanism or may be part of a more complex robot.

