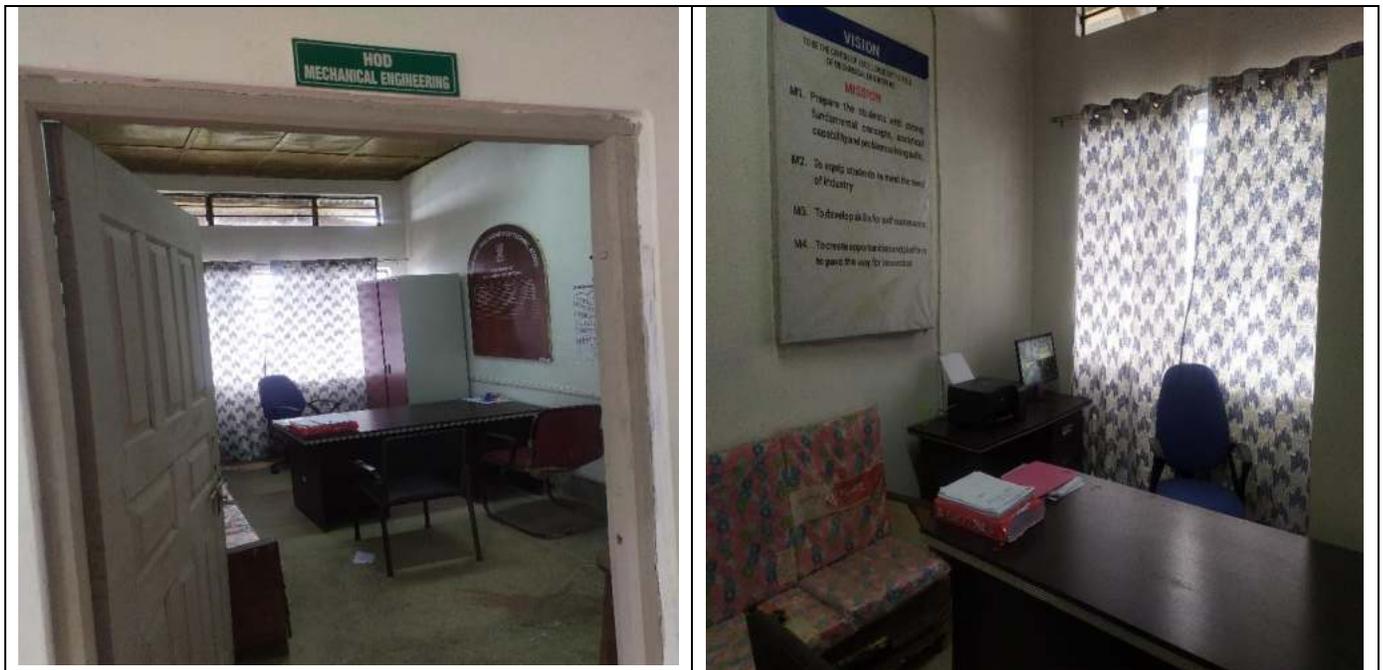


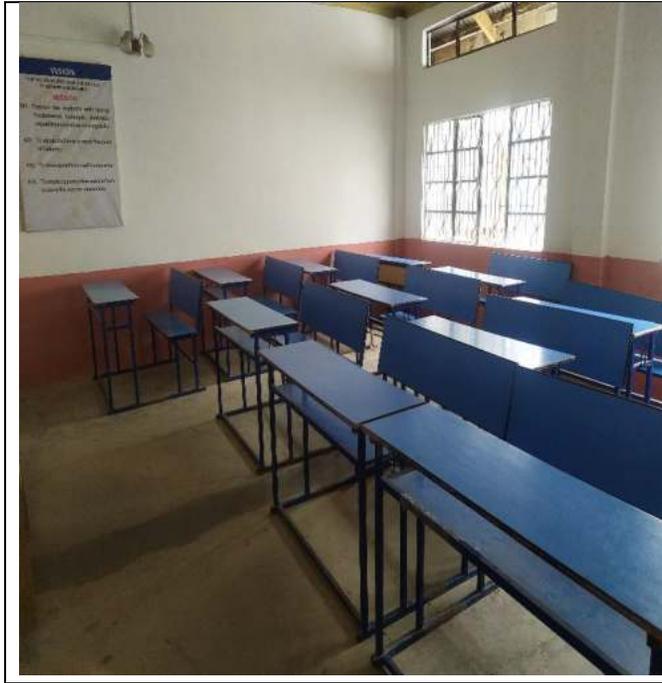
KHELHOSHE POLYTECHNIC ATOIZU
Department of Mechanical Engineering

List of facilities available under Department of Mechanical Engineering:

Sl. No	Facilities/Items name	Quantity
1	Department Room	1
2	Cubical	3
3	Executive Table	2
4	Executive chairs	5
5	Sofa (three-seater)	1
6	Book Racks	2
7	Class room	2
8	Laboratory/Shops	11
9	Printers	2
10	Desk	12
11	Bench	12
12	Interactive Display/ Smart board	1



Department HOD Room



Class Rooms



CAD/CAM Lab

Black Smithy Shop



Black Smithy Shop

The students learn about the importance of various forging operations and are able to make different shapes from a circular bar to an octagonal bar or a square bar. The students are also acquainted with the different safety precautions that need to be followed during forging.

Welding Shop



Welding Shop

This shop lets the students do various welding joints and also learn about the different methods of welding that needs to be employed for different materials. The students are also educated on the different safety precautions that need to be followed when doing the welding operations

Plumbing Shop



Plumbing Shop

The important thing that the students learn to do in this shop is pipe threading on different types of materials. They also learn how to perform pipe bending at different angles. They are also versed in the different safety precautions that need to be followed in the shop.

Machine Shop



Machine Shop A



Machine Shop B



Machine Shop C

In this shop, the availability of the Lathe allows the students to learn and perform various operations like turning, taper turning, step turning and knurling. The students also learn about the different types of cutting tools, cutting tool materials, cutting tool nomenclature, coolants and lubricants. They also learn about the various safety precautions that need to be followed when handling the machines.

Fitting Shop



Fitting Shop

The students learn about the various metal fitting methods. They also practice drilling operations on metal plates. The students also learn about various safety precautions that need to be taken when performing various fitting operations and handling different drill bits and tools.

Carpentry Shop



Carpentry Shop

In the wood working shop, the students learn how to do various types of wooden joints. They are also taught on how to identify different types of timber and also identify the various defects on timber.

Foundry Shop



Foundry Shop

In this shop, students can learn about the different types of moulds that can be used for casting and also learn about the different types of patterns. They are also taught about the different types of materials that can make up the mould.