Lab 02: Introduction to lathe Machine perform straight turning and calculate machining time.

Graphs required:

1. Plot a relationship between RPMs and Cutting speed.
2. Plot a relationship between RPMs and Feed.
3. Plot a relationship between RPMs and Machining time.
4. Plot a relationship between RPMs and Actual time.
5. Plot a relationship between machining time and actual time.

Lab 04: Perform facing operation on MS rod to calculate machining time and material removal rate (MRR).

Graphs required:

1. Plot a relationship between RPMs and cutting speed.
2. Plot a relationship between RPMs and feed.
3. Plot a relationship between RPMs and machining time.
4. Plot a relationship between RPMs and actual machining time.
5. Pot a relationship between machining time and actual machining time.
6. Plot a relationship between RPMs and material removal rate.

Lab 07: Perform facing operation on shape machine to calculate machining time.

Graphs required:

1. Plot a relationship between feed and cutting speed.
2. Plot a relationship between cutting speed and theoretical machining time.
3. Plot a relationship between cutting speed and actual machining time.
4. Plot a relationship between actual and theoretical machining time.

Lab 09: Introduction to milling machine and perform face milling to calculate machining time.

Graphs required:

1. Plot a relationship between RPM and cutting speed.
2. Plot a relationship between RPM and feed rate.
3. Plot a relationship between cutting speed and feed rate.
4. Plot a relationship between actual and theoretical machining time.
5. Plot a relationship between theoretical machining time and feed rate.
6. Plot a relationship between actual machining time and feed rate.