



Shri. GopinathMahadeoVedakPratishthan's
G. M. Vedak Institute of Technology, Tala
ACADEMIC YEAR-2019-20 (Second Half 2019)
Department of Mechanical Engineering

A Report on Lathe Machine Dismantling and Assembly Workshop

(Organized by Department Of Mechanical Engineering & MESA)
(20th and 21th July 2019)

Date and Venue

Two days workshop on “Lathe Machine Dismantling and Assembly” took place on 20th July 2019 at the seminar hall, Building I and Machine Shop, G.M. Vedak Institute of Technology, Tala. The workshop was organized by Mechanical Engineering Student Association (MESA)

About Workshop:

“Lathe Machine Dismantling and Assembly” workshop was organized to give the detailed introduction of lathe machine and its parts and to give the hands on experience of lathe machine dismantling and assembly to the students.

This workshop turned out to be very much useful for the students. After successfully completing this workshop students understood all lathe machine parts, their working, and their functions theoretically as well as practically. Students got the hands on experience of how to assemble and dismantle lathe machine. Also demonstration of different operations performed on lathe machine was given by the experts which resulted in improvement in students machine operating skill.

.Objectives of the Workshop:

- Dismantling and assembling of lathe machine
- Demonstrate how to do the maintenance of lathe machine
- Demonstrate the working of lathe machine
- Demonstrate the different operations performed on lathe machine
- Hands on experience to the students of lathe machine dismantling and assembly



Outcomes:

- After completion of the workshop students got the hands on experience for dismantling and assembly of lathe machine
- Also the experts demonstrated the operations performed on lathe machine, this helped students to improve their lathe machine handling skill

About Expert:

Name: Mr. Ganesh Gopal Sohoni

Educational Qualification:

- ITI exam passed in June 1976
- NCTVT exam passed in October 1977
- National Production Council for supervision (NPC) exam passed in December 1981

Experience:

- 1 Year apprenticeship in Garlick Engineering, Ambarnath
- 1 Year service in Time Star Engineering, Thane
- 1 Year service in Crompton Greaves Ltd at Kanjur Marg
- 6 Moths service in Afco Ltd at Kanjur Marg
- 36 Years service in K J Somaiya Polytechnic , Vidyavihar

Course Structure

- Lecture Session - 4 hrs
- Demonstration of lathe machine dismantling and assembly= 4 hrs
- Hands-on Session - 8 hrs
- Certificate Distribution - 1 hr



Topics Covered:

1. Session -1:

The first session of workshop started after inauguration by Dr. D. N. Jaiswal, Principal, G. M. Vedak Institute of Technology Tala and Mr. Ganesh Gopal Sohoni expert for the workshop. In the first session theoretical information about the lathe machine was given to the students. The topics covered in first session-

- Introduction to lathe machine
- Lathe machine classification
- Operations performed on lathe machines
- Application of lathe machine in different industries

2. Session 2:

In second session expert demonstrated how to dismantle and assemble lathe machine

3. Session -3& 4:

In session 3 &4 hands on experience was given to the students. Students were divided in groups of 5-6 students per group and the task of dismantling and assembly of lathe machine was given to groups. This was interactive session. Students learnt lot of practical knowledge while doing the assembly.

- Dismantling of the engine into individual components
- Analyzing all the components first hand
- Live demonstration of the internal engine mechanisms
- Re-assembly of the engine

Workshop Participants

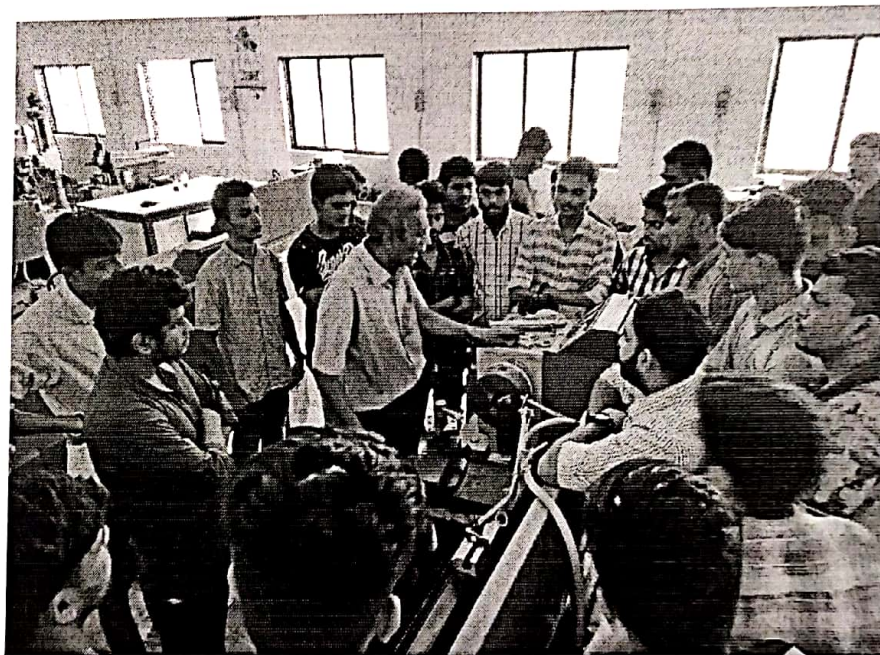
Registration for this workshop was open for all the classes of mechanical department. Total 60 students participated in this workshop from the department of mechanical engineering.



Workshop photographs



Photograph of theoretical session

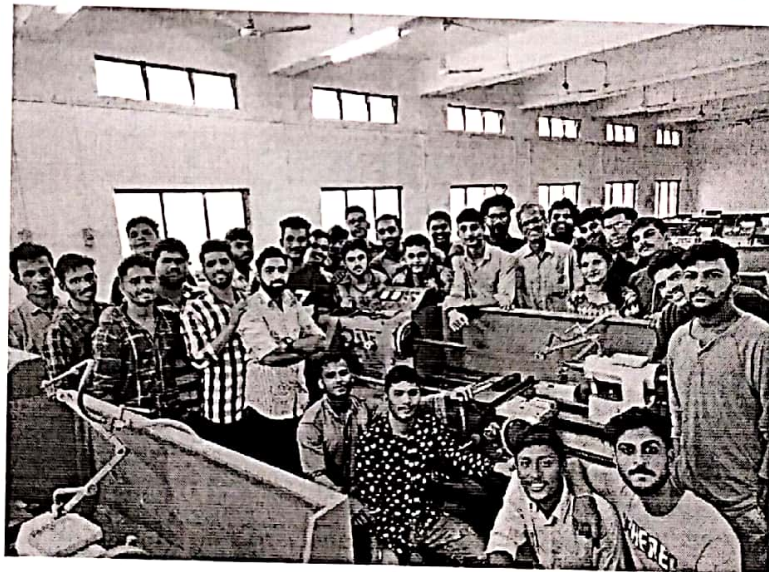


Demonstration of lathe machine by expert during second session





Demonstration and hands on experience of lathe machine dismantling and assembly



Workshop participants and expert of lathe machine dismantling and assembly workshop

A. A. Khot

Prof. A. A. Khot
Faculty coordinator



A. R. Ghadge

Prof. A. R. Ghadge
Head
Mechanical Engineering Department