



# Mechanical Experiments and Workshop Practice

By G S Sawhney

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**Mechanical Experiments and Workshop Practice** By G S Sawhney

**The book is meant for first year BE/B.Tech. students and addresses the course curriculum in Mechanical Experiments and Workshop Practice. The book explains theory and methodology of performing experiments about:**

- " Mechanics
- " Strength of Materials
- " Materials Science

**The book also includes:**

- " IC Engines
- " Steam Engines
- " Boilers
- " Steam Turbines
- " Water Turbines and Pumps

**Manufacturing processes and workshop experiments are included in workshop practice which cover:**

- " Machining
- " Welding
- " Metal forming
- " Casting
- " Carpentry and Plumbing

**Key Features:**

- " It provides a large number of diagrams for easy understanding of tools and equipment.
- " A large number of viva and objective type questions are also given.

The concepts and principles of working of various common mechanical machinery such as bi-cycle, motorcycle, lift, escalator, hovercraft, aircraft, helicopter, jet engine and rocket have been explained. Similarly the constructional details and principles of working of commonly used household appliances such as desert cooler, air conditioner, refrigerator, washing machine, ceiling fan, tubelight and iron box have been included.

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