

Smarajit Ghosh

# Electrical Machines I

ANNA UNIVERSITY



This text is designed for the fundamental Electrical Machines I course offered to undergraduate students of electrical engineering. It specifically covers the syllabi of Anna University, Chennai, Coimbatore and Trichy. The text lays emphasis on physical aspects and working of the machines, and on pedagogical aspects of the subject.

### The coverage includes

- ▶ Detailed discussion of AC and DC machines
- ▶ Explicit and rigorous treatment of transformers—current, potential and welding transformers
- ▶ Auto transformers, three phase transformers, and rotating machines are discussed in detail
- ▶ Covers electromechanical energy conversion

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