

# LECTURE 2

## **3.2 OVERVIEW OF SINGLE PHASE IM**

- Types of  $1\phi$  induction Motor
  - Split Phase Motor
  - Capacitor Start Motors
  - Capacitor Start, Capacitor Run
  - Shaded Pole Induction Motor
  - Universal Motor (ac series motors)

## 3 OVERVIEW OF 3 PHASE IM

- Simple and rugged construction
- Low cost and minimum maintenance
- High reliability and sufficiently high efficiency
- The speed is frequency dependent
  - not easily to control the speed
  - thanks to power  $e$

# 3 OVERVIEW OF SINGLE PHASE IM

- can be part of a pump or fan, or connected to some other form of mechanical equipment such as a winder, conveyor, or mixer.

