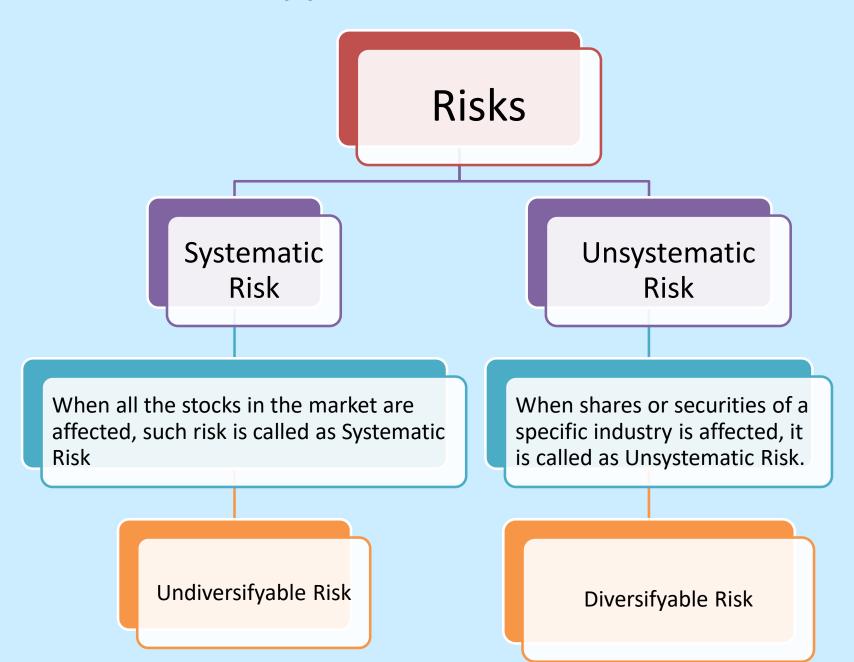
### Chapter 2: Risk Management

- To minimise the risk, define the risk.
  - Uncover the "known" risk
  - Making the known risks easy VaR (Value at Risk)
  - Understand and uncover unknown risk
- Diversification
  - More basket, more eggs (Long term investment)
  - Variety always brings spice
  - Safety in numbers
  - No portfolio is too small

## Types of Risks



#### Risk Measurement Techniques

- Sharpe's Ratio/Formula
- Trenor's Ratio / Formula
- Jensen's Alpha Ratio
- Computation of Beta

# Sharpe's Ratio

- Sharpe's ratio calculates the <u>excess return</u> per unit of <u>total risk</u>
- Total risk includes Systematic risk and unsystematic risk
- Sharpe's ratio cannot be used individually.
- Sharpe's ratio must be compared with other relevant sharpe ratio's to arrive at a conclusion.
- While comparing, higher the sharpe, better is the position.

#### Trenor's Ratio

Trenor's ratio calculates the <u>excess return</u> per unit of <u>Systematic risk</u>

Trenor's ratio cannot be used individually.

Trenor's ratio must be compared with other relevant Trenor's ratio's to arrive at a conclusion.

While comparing, higher the Trenor, better is the position.