

## Class 12

### 1. Requirements

#### a. Usability

- a. Qualitative - desired usability goals
- b. Quantitative - specific measures
- c. Concepts
  - i. Learnability
  - ii. Throughput
  - iii. Flexibility
  - iv. Attitude
  - v. 22 Criteria
  - vi. ISO 9241
  - vii. ISO 13407

#### b. Modern Day view of visibility

- a. Contrast with original views
- b. The five E's
  - i. Effective
  - ii. Efficient
  - iii. Engaging
  - iv. Error Tolerant
  - v. Easy to learn

#### c. Nonfunctional requirements

- a. Cost/budgets/timescales
- b. Technical Constraints
- c. Trade-offs

#### d. Problems with requirements gathering

- a. Not enough stakeholder environment
- b. Lack of requirements management
- c. Activities not carried out
- d. Communication problems with stakeholders
- e. Capturing the relevant application domain
- f. People do not understand the problem
- g. Organizational and Political factors
- h. Not knowing what you want
- i. Changing economic and business environments