Book name: Software requirement and Estimation : A practical approach

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syllabus: chapter 1 to chapter 7.

**FIRST CHAPTER**

Chapter 1:

Software metrics

1. Why do we need software measurement

23% project doesn’t go to delivery.

In 77% only 28% initially budget fill up.

45% budget goes up.

* Software engineer Measurement skills--

->Software development related risk.

-> Activity control/predict.

->Managing the risk.

->Delivery reliability.

* CMMI: Capability Maturity Model Integration
* Maturity Level:

i.Initial

ii.Managed : Project plan. Project monitor/control.

iii.Defined : see internet

Iv.Quantatively managed:

v.Optimizing: Refining the existing project / continuous development.

**SECOND CHAPTER**

**What to measure:**

* Customer of the metric
* What are the goals.
* What will be the metric , and when to collect.
* **G Q M:**
* Indentify Goal for product/ process/resources.
* Indentify the Questions.
* Define the metric.
* Decision maker model:
* Decision change over time.

Present decision

info

data

Project measures

* Standards driven Metrics:
* Software engineering Institute
  + - * System size
      * Project duration
      * Effort
      * Defect
      * Productivity
* CGQMM  
  what to measure a function of
* F(t) = what to measure.