

Introduction to CMMI consulting

# Capability Maturity Model Integration

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# CMM is and is not

- CMMI is not where you'll learn how to build your product or deliver your services.
- CMMI will not tell you how to operate your business.
- CMMI is not process
  
- CMMI is only helpful if you already know how to do these things and is then used to improve your performance.
- Lifecycles are how you get things done. You choose them and CMMI can help you improve within them.
- Development Lifecycle (waterfall, XP, etc must not be a showstopper).

# Is CMM process force?

There are “no” processes in CMMI. No processes, no procedures, no work instructions

Is existing business practice -  
Mature? Capable? Improvise?

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PAs – Process Areas (say it Business Practices)

# What Models?

- CMMi - Development (CD)
  - “Process areas” are mature enough to develop
- CMMi – Services (CS)
  - “Process areas” are mature enough to services
- CMMi – Acquisition (CA)
  - “Process areas” are mature enough to acquire

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PAs – Process Areas (say it Business Practices) for CD/CS/CA

# Why CMM?

- *Better* development effort
- *Better* services delivery
- *Better* acquisition
  
- With *Better* Business practices (“process areas”)
  - **Mature and Capable**
  - On Generic and Specific Practices
  
- What is Better?
  - Organization know it better, but how?

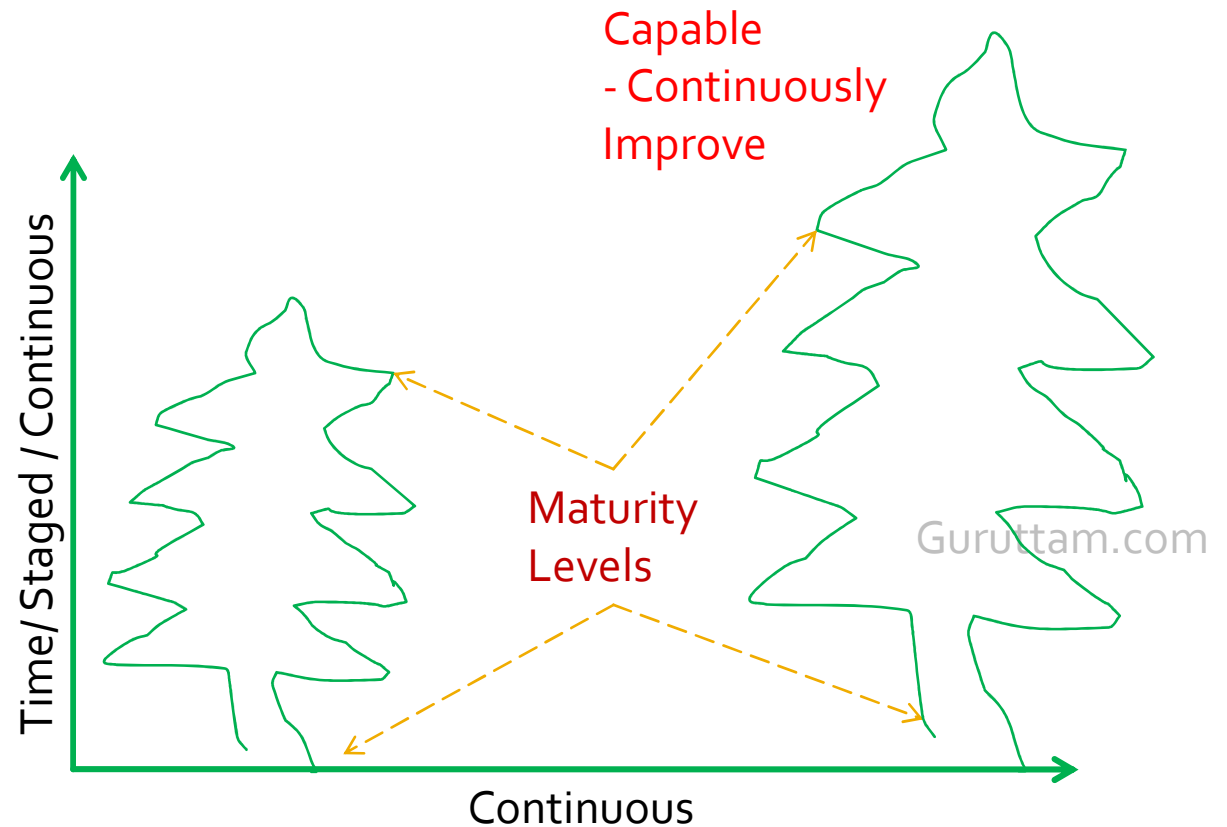
# Explain “Better “?

- Identify current practices
- Measure current practices
- Identify what is missing
- Improve current practice
  
- Through Process Areas’
  - Generic Goals and Practice
  - Specific Goals and Practice

# A Tree Analogy

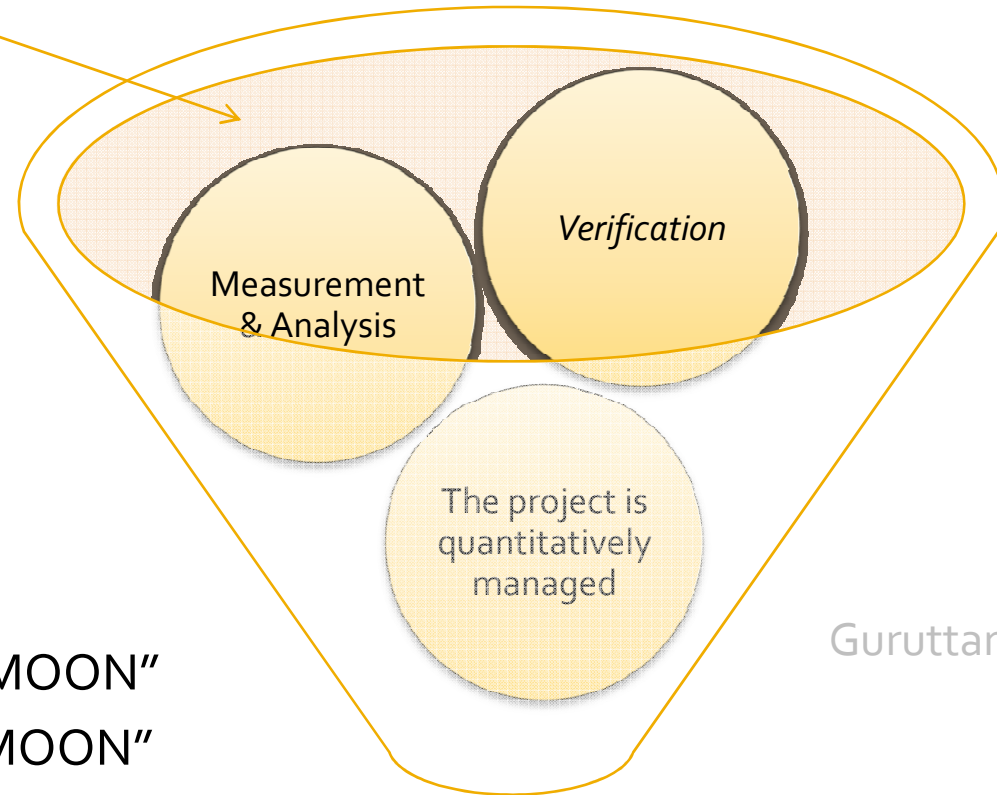
## Stage/Maturity Levels

- L5-Optimizing
- L4-Quantitatively Managed
- L3-Defined
- L2-Managed
- L1- ad hoc/as you like it



Staged : Maturity Levels ~ Growth , Continuous : Capable Levels ~ Improvement

# Process Areas – Example ?



CD e.g. for PROJECT "Develop MOON"

CS e.g. for PROJECT "Service MOON"

CA e.g. for PROJECT "Acquire MOON"

Decided PAs that earn  
maturity & capability

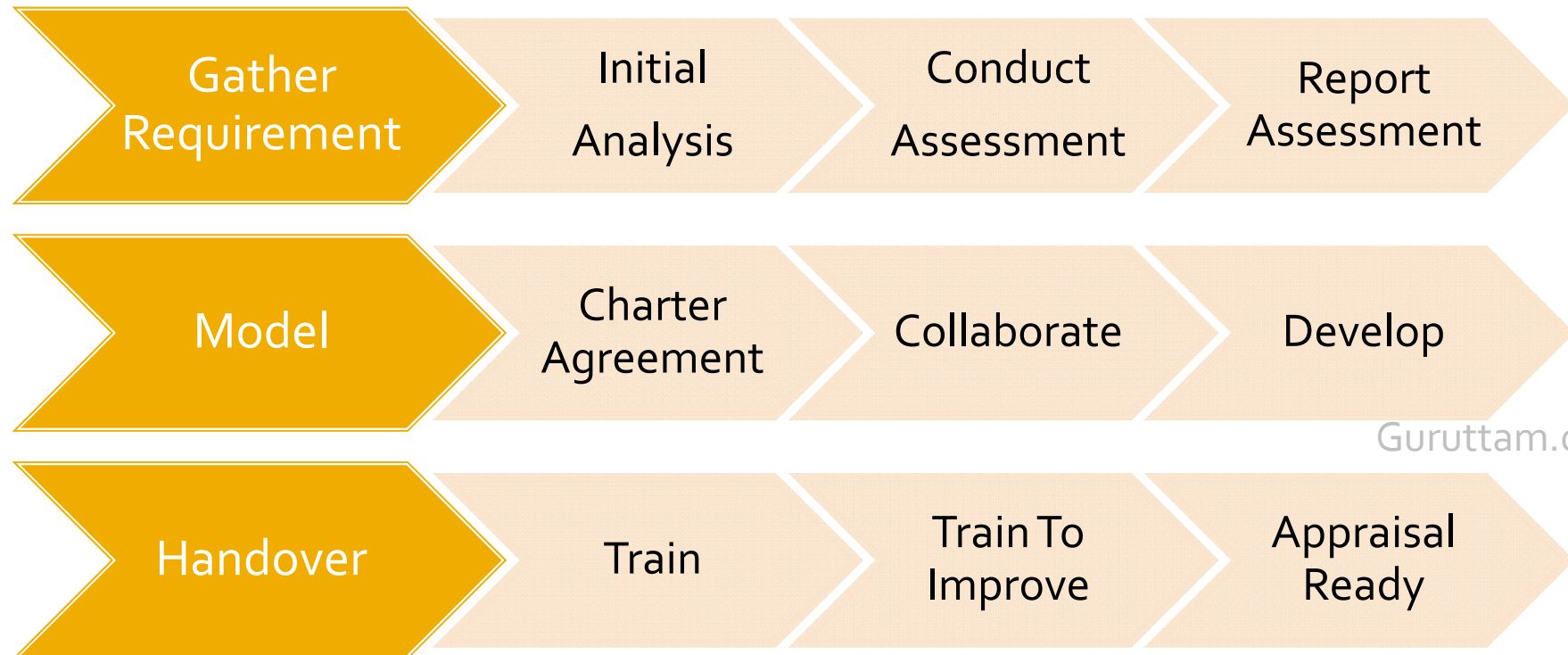
# How long will it take?

- Existing business practice (prelim study)
- Model to go – Decision Time
- Implementation Time
- Projects Lifecycle Timeline
  - to showcase project made through
- “busy now” vs. “progressive now”
- Nevertheless commitment to changes
- Appraisal Time , result is CMMI rating.

# Rated

- nothing called “CMMi certified”
- It is about Rating upon successful appraisal
- Three (3) years re-appraisal
- Go through earlier ratings when seeking higher levels

# Guruttam Role Definition



# Queries

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