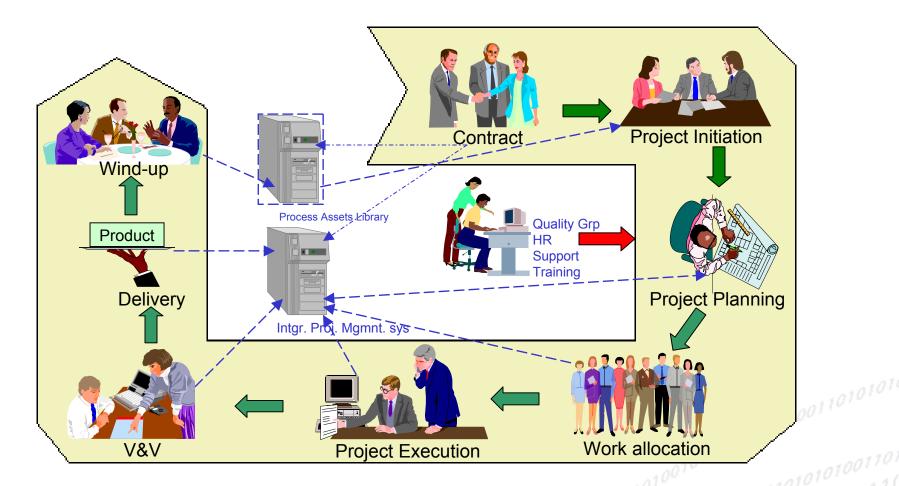


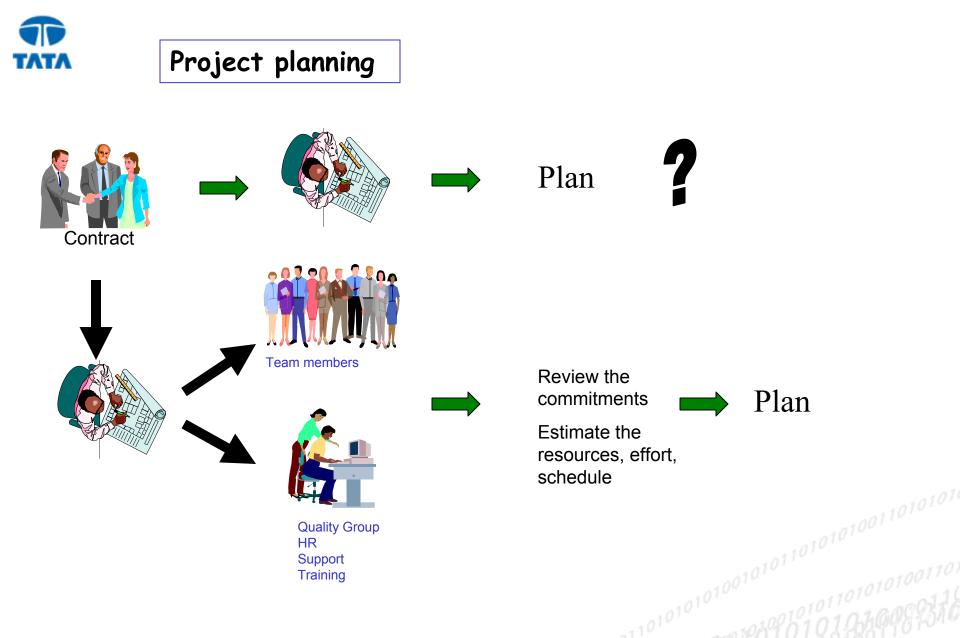
People, Process, Technology synergy - a key to Business Excellence

Dr Gargi Keeni SPI Japan, 2007 Toyama, Japan



Project lifecycle





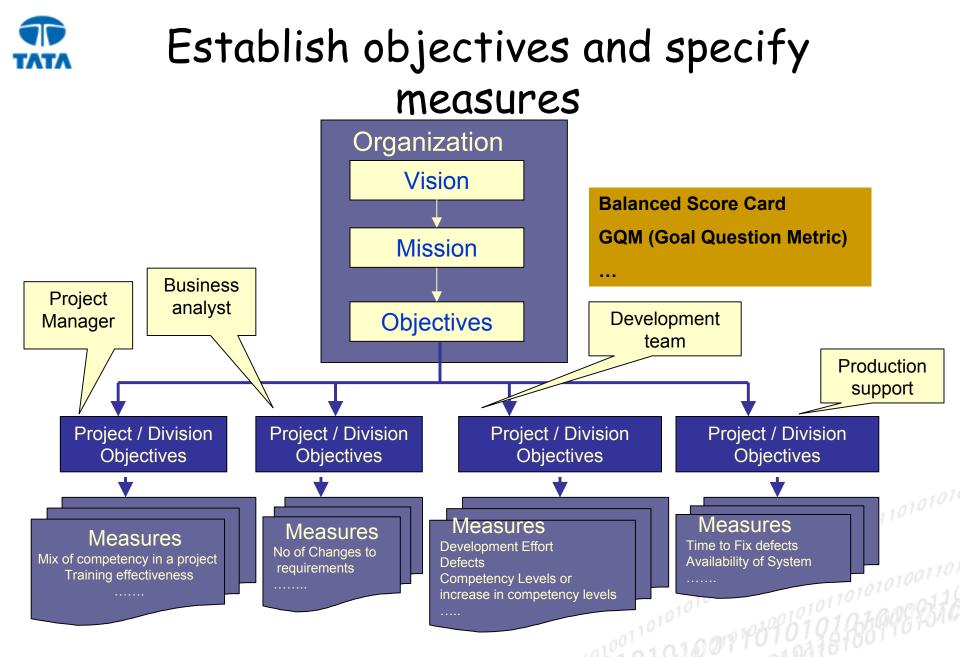
Individuals / groups need to be involved in making decisions that affect their work



- Effective planning =
- Function (well designed processes,

people awareness of their contribution to organization performance,

supporting information and communication technology)





Communicate Objectives

Analysis of time sheet data did not provide any insight

Script to fill time sheet !!! To save Time!!!

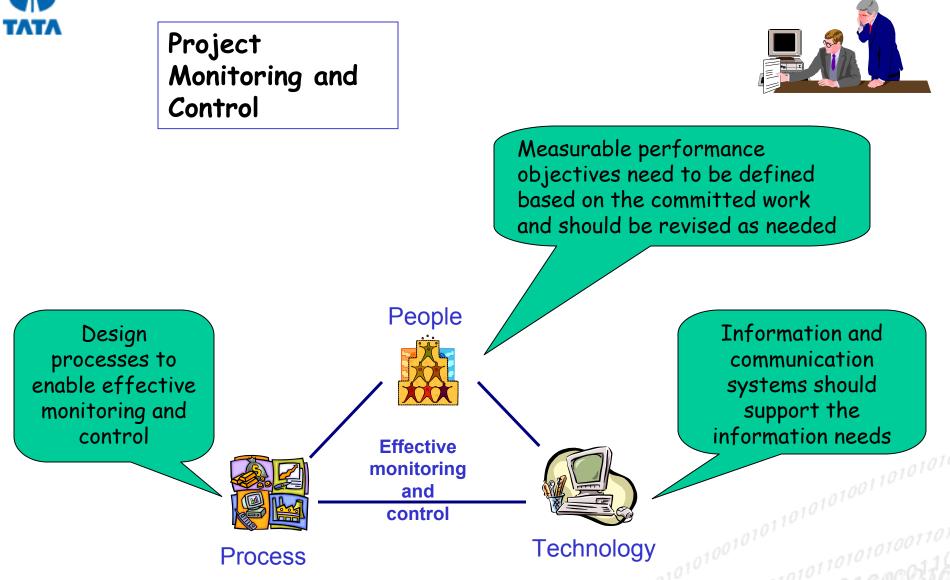
- Practitioners did not know how the data would be used
- Practitioners are required to generate numerous reports, but receive no feedback

Communicate objectives for shared understanding of data usage

- Practitioners need to be trained to use the collected data to make better decisions
- Practitioners need to present the data in a form that highlights issues that need management attention

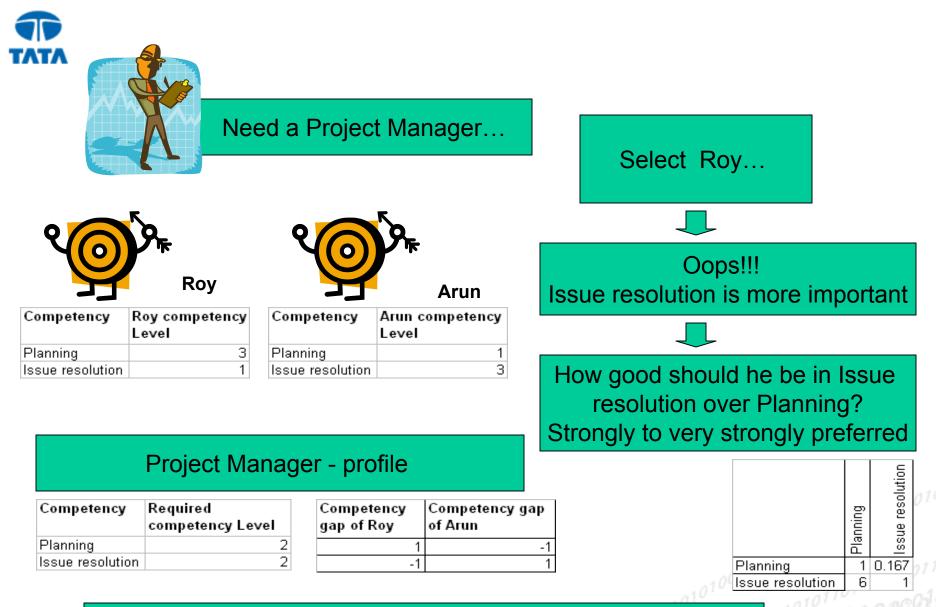






Continuous discussion of performance also focuses on work processes, resources and other issues which can improve the performance

LTANCY SERVICES



Competency level alone is not sufficient

Significance of the competency also needs to be considered!!!

ONSULTANCY SERVICES



Organization perspective...

- Can we go ahead with new offerings/projects
- Are our competencies in-line with business objectives



How to close competency gaps

Analyze and understand the competence profile to optimize the contribution of workforce to the companies strategic objectives



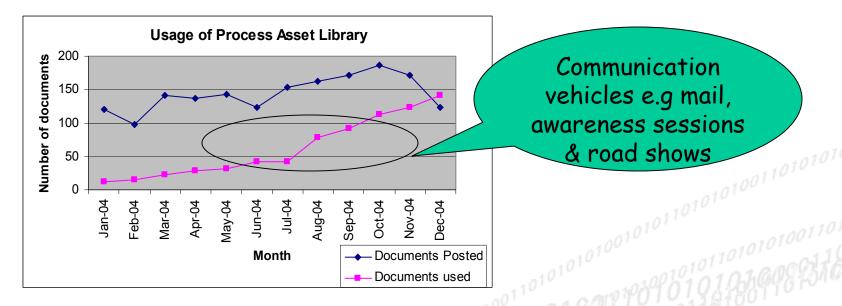
Individuals' perspective...

- Where do I stand in the organization
- What are the various roles in the organization
- What are my competency gaps

"If you're not learning in your work, you're not doing enough"...

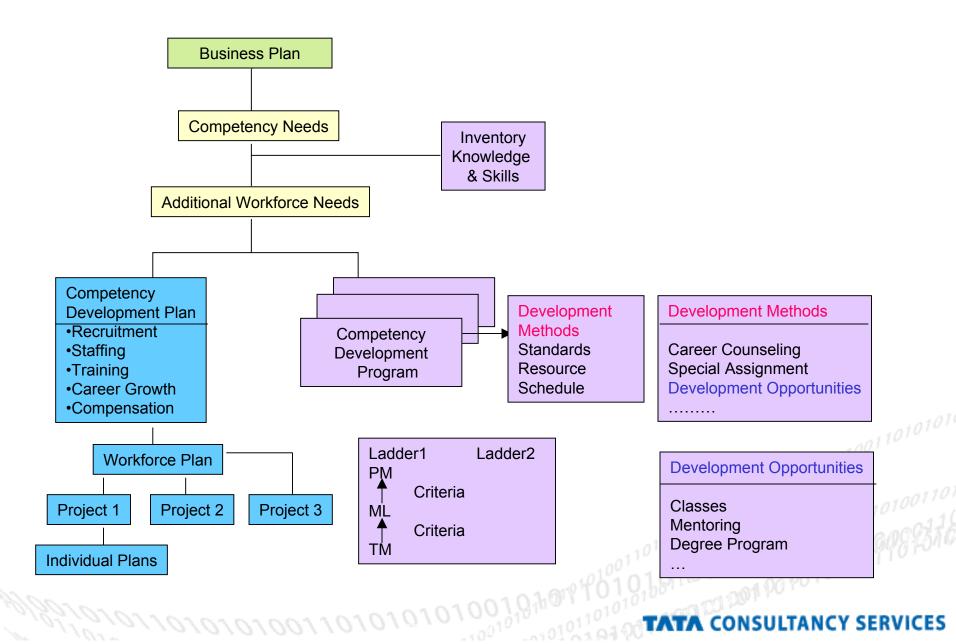


- Organizational process assets support organizational learning and process improvement
 - Mentoring plays a major role is deploying these assets
 - Workforce practices and activities need to encourage and support the development and use of process assets



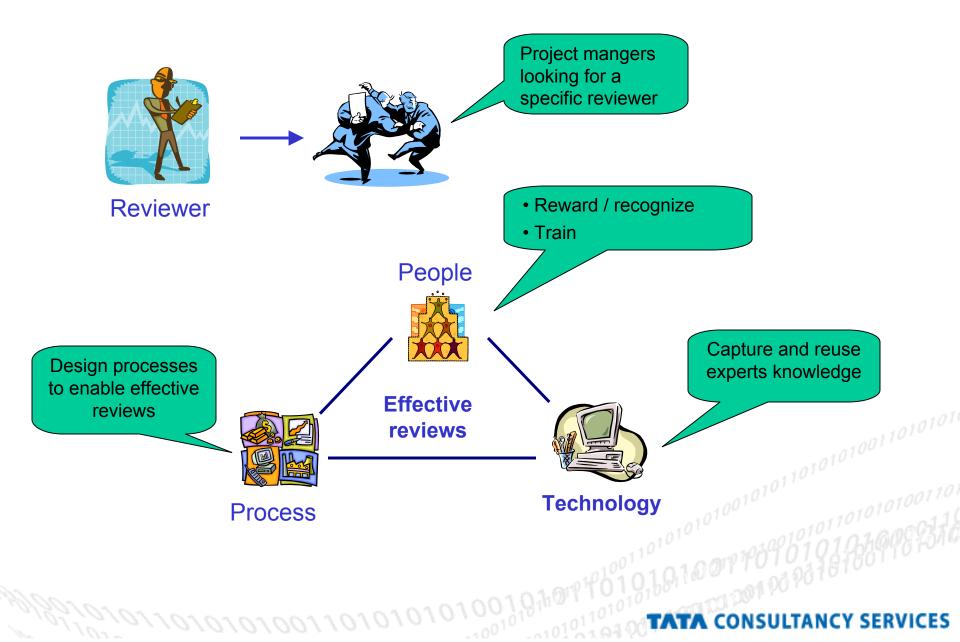


Competency Development





Synergy - Effective reviews





Analysis of process defects - Example

Number of process defects for projects analyzed wrt.

- PM's total experience
- PM's total experience in the organization
- Whether the PM is an auditor
- Whether the PM is a first time PM

Average # process defects where PM is not an auditor Average # process defects where PM is an auditor	4.0 2.3	010
Average # process defects where PM is not a CSQA Average # process defects where PM is a CSQA	3.6 2.9	101

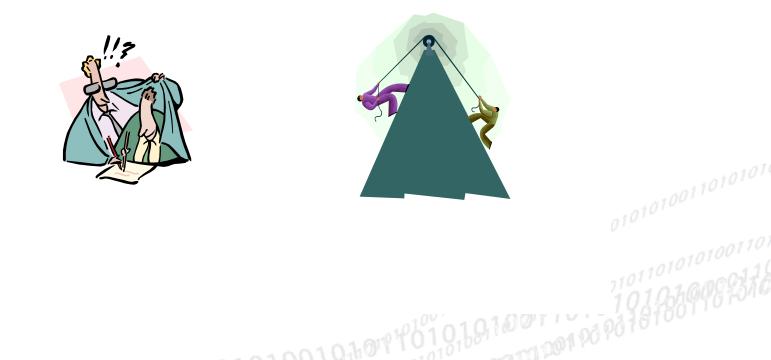


- Training PMs as auditors
- Audit and Project management reviews for mentoring
- Rotation of PMs between quality and delivery
- Motivating auditors and reviewers through incentives and recognition

Need to achieve behavioral changes that drive continuous improvement

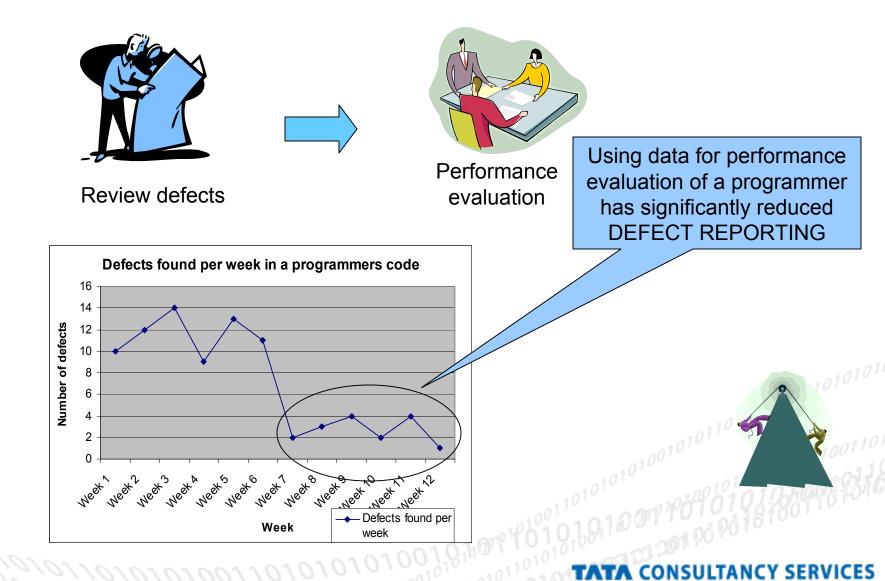


 Using number of process defects to evaluate the performance of Project Manager



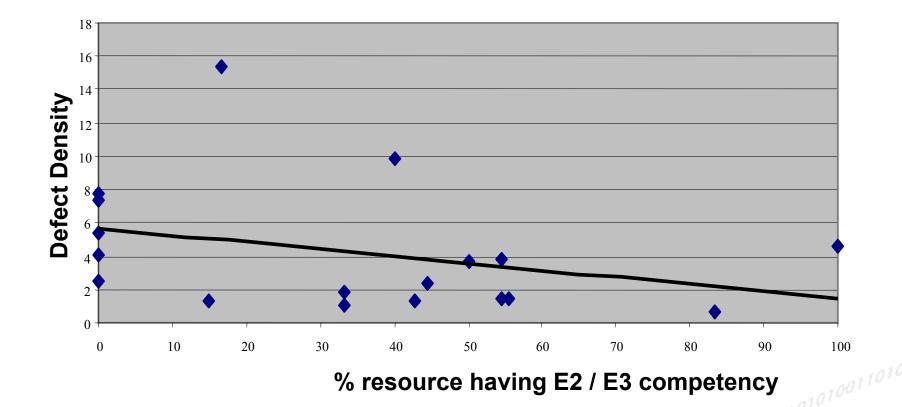


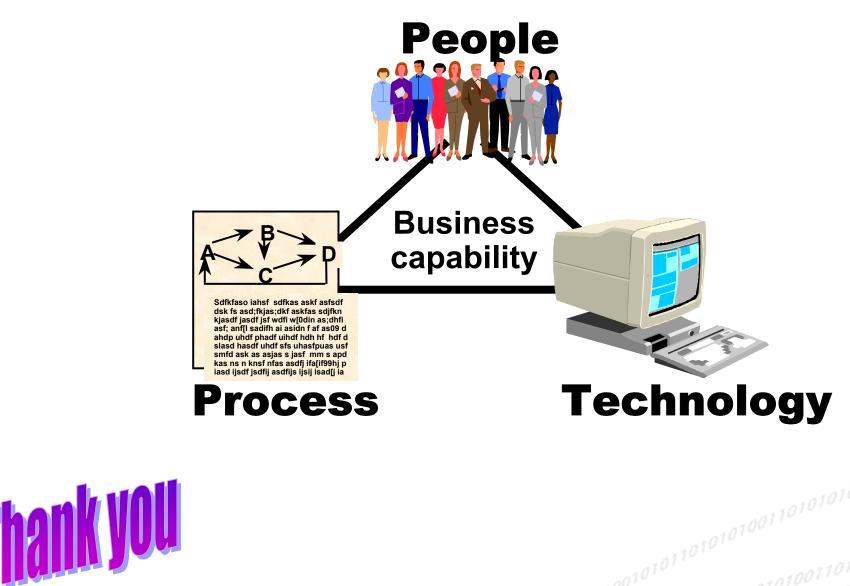
Using Metrics data to evaluate individuals





Competency and defect density analysis - Example





gargi@ieee.org

ТАТА