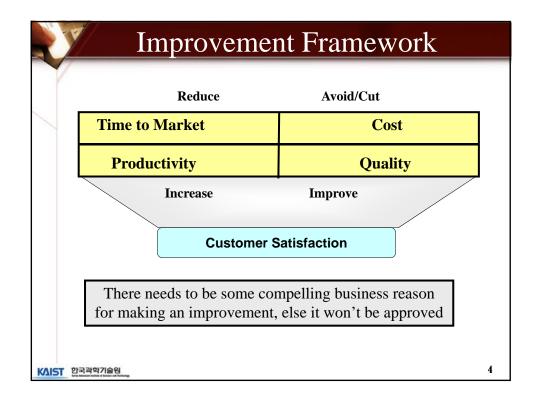
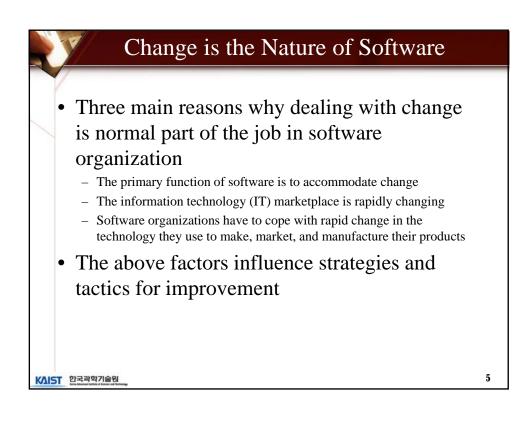
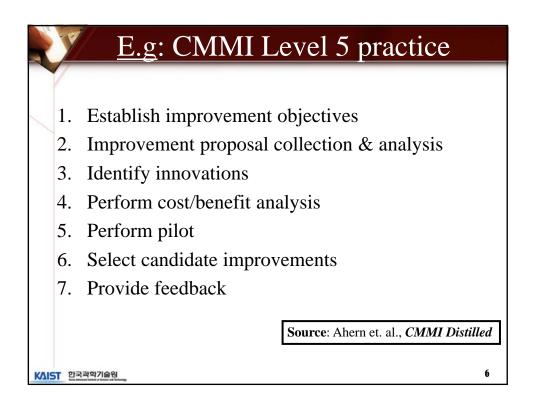


1

View Software as a Business				
Profession	1998	2008	Percentage Change	
Computer Scientist	97,500	212,100	118	
Computer engineers	299,300	622,100	108	
Computer support specialists	429,300	868,700	102	
System analysts	616,900	1,194,200	94	
Database administrators	87,400	154,900	77	
Paralegal personnel	136,000	220,400	62	
Medical assistants	252,200	398,000	58	
Human service workers	268,200	409,900	53	
Residential counselors	189,900	277,800	46	
Engineering managers	326,200	468,000	44	
Medical records technicians	92,400	132,900	44	
Dental assistants	228,900	325,400	42	
		Source: Bureau of	Labor Statistics, 1999	
IST 한국과학기술원			:	

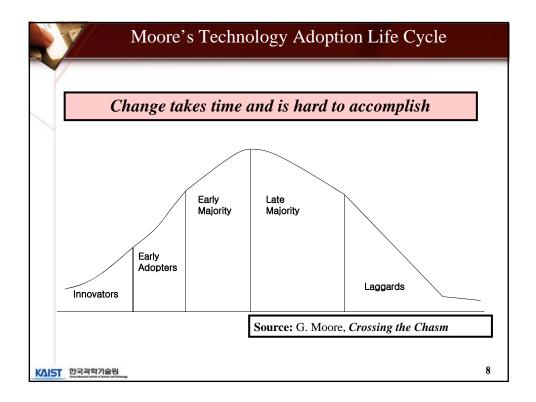


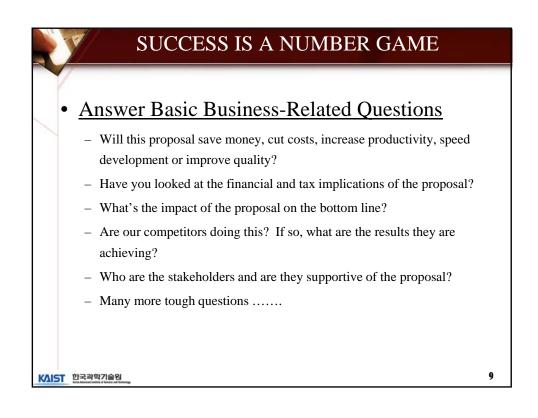


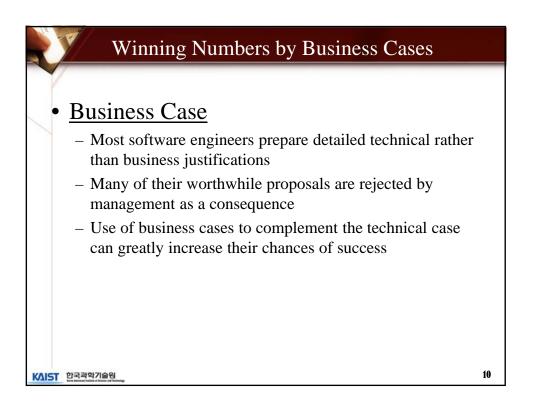


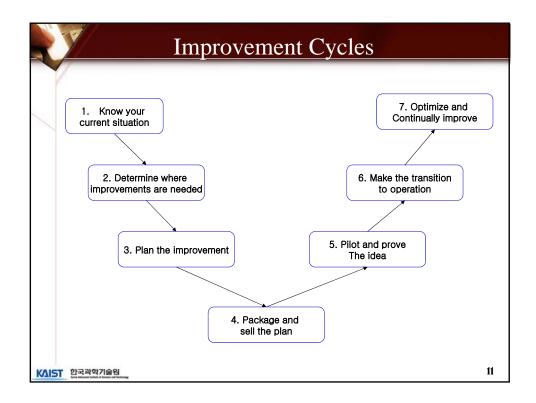
Challenges for Organizational Change

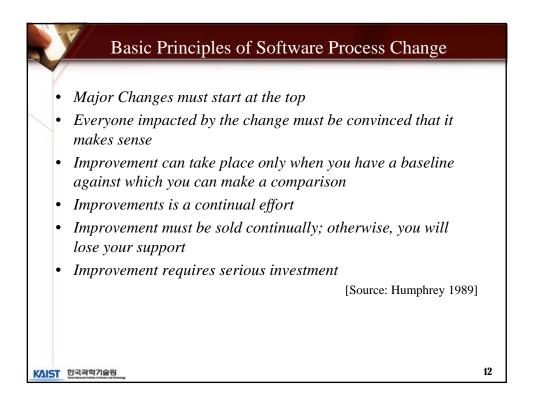
Challenges	Explanation
Lack of Incentives	The reward system must be changed to show that management is 100 percent behind the initiative
Good of the firm versus	The reward system needs to be changed to emphasize "Good of the firm"
Good of the project	
Infrastructure shortfall	Policies, processes and decision making structure changes
Few meaningful metrics	Collect data to quantify the impact of changes
Limited cash available	To get funded, make compelling business case











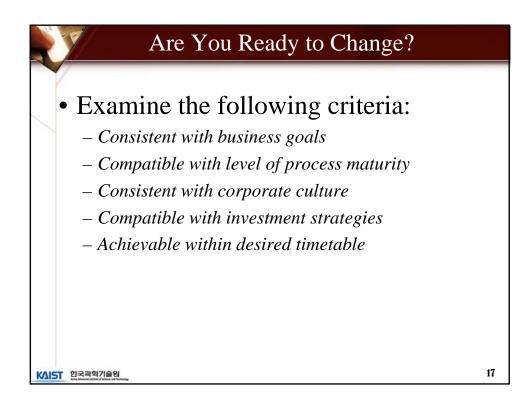
Factors (5 is best)	<u>Java</u>	<u>C/C++</u>
Core language features	2	4
- Degree of standardization & portability	3	4
- Object-oriented support	3	5
- Reuse facilities (library, browser, etc.)	3	4
- Web programming support	5	2
- Optimizing compilers available	4	5
- Bindings available	5	5
- Rich libraries available	4	4
- Compiler support tools available	4	5
- Inexpensive visual tools available	5	3
- Oriented toward your products	<u>5</u>	<u>3</u>
Score	43	44

Factors (5 is best)	<u>Java</u>	<u>C++</u>
- Popularity - improve resumes	5	5
- Training opportunities available		4
- Literature and books available		5
 Consultants & subcontractors available with language skills 	5	5
- Staff maintains competency in language/tools		4
- Retooling and retraining costs		5
- Transition costs associated with learning curve (bring staff up to speed)	1	5
Subtotal	24	33
Combined Score	67	77

7







Entropropourial Cultura	Old-Fashioned Culture
Entrepreneurial Culture	Old-Fashioned Culture
 Seeks opportunity for 	- Prefers the status quo
improvement	- Avoids change and risk
- Action-oriented and willing to	- Territorial by nature
take risks	- Rewards followers, not
- Team-oriented	innovators
 Rewards innovation 	- Penalizes failure
-Learns from failure	- Persistent, authoritative and
- Creative, imaginative, pliant	rigid
and flexible	

