Chapter-10 Quality Management

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	in many a ratio 1 to 2.
	CMM and have the garden and the state of the
	CMM stands for Capability Maturity Model.
_	CMM is a method to evaluate and measurethe maturity
	of the software development process of an organization.
	- CMM measures the maturity of a software development
	process on a scale of I to s.
a AM	A process is said to be mature if it is well defined,
*	Repeatable Measured Analyzed Improved and effective
	developed for stody of management person management, quality assurance
	Repeatable Measured, Analyzed Improved and effective commissions initially developed for slow development but later it was developed for product management, people management, quality assurance, supplier sourcing etc.
	Capability Maturity Model Integration
,	It was formed to solve the problem of using multiple CMMs
	(MM) is a framework which incorporates my liple
	CMM disciplines such as Software cmm, People cmm,
	Product commetc.
-	It can be applied to product manufacturing, people
	management, software development etc.
	BALLERS , W. F. C. D. A. NORTHER D. MET .
	Currently there are four CMMI disciplines:
(1)	System Engineering
(C)	Software Engineering
(3)	Software Engineering Integrated Product & Process Development
S	Supplier sourcing
<u> </u>	oupplier sourcing,



It is a business driven structured approach

improving processes

-low exing Defects

- Reducing process variability

- Reducing costs

'Increosing customer satisfaction

Increase Profit

The central idea behind six sigma: If we can measure how many 'defects' we have in a process, we can systematically figure out how to eliminate them and get as close to " zero defects" as possible In 60, the expected defect rate is 3.4 per million oppurtunities i.e. 99-3997 > perfect

Benefits:

- · sets a performance goal for everyone.
 · accelerates the rate of improvement
- · Generates sustained sucess.

Six-sigma a standard given to any organization based on quality of produced product.



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_	International Organization of Stundardization
_	It is a body responsible for setting international
	standard composed of representatives from various
	national standards organizations
	Its headquarter is Geneva, Switzerland and currently
	works on 162 countries
,	It promotes worldwide industrial and commercial standard.
	I to the endent and non- any prompt of a contraction
-	It defines standards on various sectors such as
	Cement factory Agricultural product metal industry
	coment factory, Agricultural product, metal industry, software company, food industry etc.
,	U
-	It is based on PDCA cycle and 8 quality Management Principle.
	Plan
	Do (1) Customer focus
	check (2) Leadership
	3 Involvement of People
-	9 Process Approach
	System Approach of Management (6) Continual Improvement
	6 (ontinual Improvement
	(F) tactual approach to decision making
	(7) Factual approach to decision making (8) Mutually benificial supplier relationship.