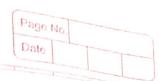
CHI Introduction to Software Testing * Testing is the process of executing software or program or system with intent of finding euross * Advantages 1) Ensures that software is being according to client requirements. @ Removes envoy that leads to failure @ Improves quality of product * Testing roles D Test Lead Test Architect Test Designer N Software Tester * Main pumpose/goal of software testing is to find everors or bugs as early as possible and to fix bugs and to make sure that software is bug-free Immediate Goals * Bug discovery Bug prevention Softmare Long-Term Goals Testing Reliability Quality customer scatisfaction Risk Management Post Implementation Groats Reduced maintenance cost Improved testing process



			Date
D	Bugs All sorts of syntax errors in programming code System design incorrect	Faults Non-working of programs System does not perform its functions	Failures. Failures Failure during Software installation End-user implementation failure.
		as per requirements	8
(†1)	Inforret documentation	operating instructions for the software one not mentioned	usens not able to operate
		propuly in manua	1 systems correctly
©	Poor Security	System vulnerable to threads from	system not fully
		outside	se cured.

*	Principles	
	D Testing shows Prese	nce of Defects
6	m resting shows the	
	(11) Testing is context	Dependent.
	in leafing is context	ccording
	W lesting should be a	
	to Wien Requirer	in small and
	Testing should Begin	ind "inlarge".
	Otesting should Begin Progress towards test	
		Debugging
48	Testing	Ofix bugs found in
0) sdentify	
	defects	system
		60 maggi in La lind
11)	Purpose is	Purpose is to find
	to show	those bugs and
	that an	try to fix them.
	enior/prd	· · · · · · · · · · · · · · · · · · ·
	is present	
(111	i) Testing can	(11) Always manual.
	be manual	
	or automated	
(V	Deroves programmers failure	1 Programmer
	Salure	Vindication.
	8	
	22. 10	
	No.	
100		



- * Verification
- O means " are me building the product suight?"

- validation.
- O means" are we building the reduct?"

Does not involve executing the code.

involves executing the code

(ii) Human - bosod Checking of downents and files (i) practive based execution of program.

- (atchewors that validation cannot
- (v) catch evers that resification cannot (atch.
- (v) 10W-level exercise
- Dhigh-level exercise
- (VI) comes before validation
- vertication.

