## Software Crisis



There are lots of meaning of Term Software CRISIS.

first of all we go in History and what was the Scenario at that time.

#### Hardware Oriented world



There was more focus on the hardware than Software as people were more focusing on that How instructions can be executed fast. Not on that how bugs should be removed frequently.

## Cost : Hardware Vs Software

Rapid increase in Software Cost and Rapid fall in hardware Cost heed more Resources and well defined and Systemic Medels for Software Development.

#### In experience Developer:

Developer were hardly one year of experienced old so quite difficult for them to full fil cell coding based need.

# failures in Big project \*\*

Big failure Pn project cost gout billions of Dollors like

The Northeast Blackout in 2003 has been major power System failures in the history of North Americauth of involves 100 Power plants. 50 million Customer Faced Problem, \$ 6 billion Financial Loss.

- Stage in processing dates after the year 2000. In 1960-80 When shootened the 4-digit date format like 1972 to a 2 digit format like 72 because of himited Memory. because of that 2000 was shortened to 00. Millions Dollor were spent to handle this problem.
- 3) Arian-5 space Rocket in 1996, developed at cost of \$ 7000 million dollows over aperiod of loyears was destroyed within less than one minute after its Launch as there was Software bugs in Rocket Guidance System.
- 4) In 1996, us banks credited accounts of nearly 800 Customers with \$ 924 Lacs. This problem was due to main programming bug in the banking System.
- defense against Iraqi Scual missiles. However, the Patriot Missiles as a duled to hit the Scual many times which cost life of 28 USA Soldiess. In inquiry it is found that a small by had resulted in Miscalculation of Missile path.
- · User Changing Requirement

As wer changes its Requirement Slightly as world and technology changing Rapidly.

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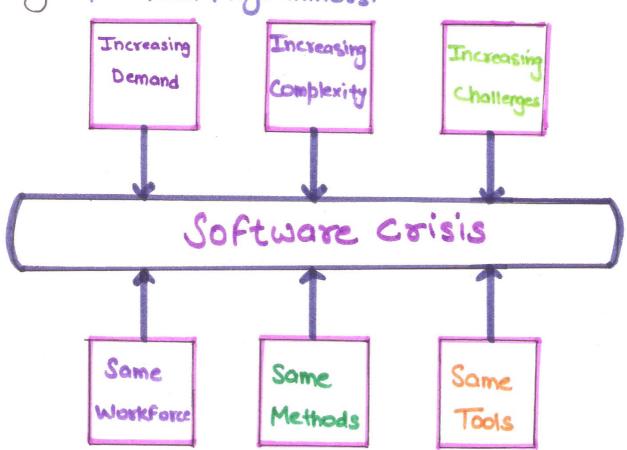
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# So What is Software Crisis?

The difficulty of writing the code for a Computer Program which is Correct and understandable is referred to as Software Crisis.

OR

Software Coisis is also Referred to the Inability to hire enough Qualified Programmers.



That is Beginning of SOFTWARE



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