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EXPERIMENT NO – 1

PROBLEM STATEMENT

Computer Manufacturing Company
In a computer manufacturing company software is developed. Assembler uses different combinations of hardware components to create different models of the computer system. Each hardware component (motherboard, processor, etc). can have its own manufacturer and attributes (like speed, memory etc). After assembly, Quality Assurance Engineer tests the system by loading variety of test benches to give benchmarking results. If the system fails, errors are logged by Quality Assurance Engineer and finally rectified by trouble-shooter. Trouble shooting action may contain error due to software installation or due to component failure. Failure components are replaced by trouble-shooter and these actions are registered in the system.

PROCESS MODEL – PROTOTYPING MODEL

EXPLANATION

The 5 stages of prototyping are a follows

1. Communication
2. Quick plan
3. Quick implementation
4. Prototype construction
5. Delivery and feedback

Since each component are assembled and then the quality assurance engineer tests the system this result into prototype construction and if there are any rectification to be made then feedback is given which is the last stage of prototyping model.