

CASE Computer Aided Software Engineering

TOOL

Automatic development of software

Used ~~by~~ for business & industrial application

Benefits of CASE TOOL

- ✓ Quick development
- ✓ Reduced testing time
- ✓ Enriched in GUI
- ✓ Created documentation & its manipulation easily & uniformly
- ✓ Efficient information transfer
- ✓ Improved accuracy
- ✓ Reduced maintenance cost
- ✓ Flexible in use
- ✓ Complex ~~models~~ code from already generated code.
- ✓ Improved portability

Drawbacks of CASE TOOL

- ✓ Expensive
- ✓ Difficult to use with existing system

✓ Types of CASE TOOL

- ✓ Upper CASE TOOL — Analysis, Design
 - ✓ Lower CASE TOOL — Coding, Configuration management
 - ✓ Integrated CASE TOOL — Analysis, Design, Coding
- I-CASE

Six sigma
(6 σ)

Technique for improving quality of product

A. DMAIC

Define — What issues we are facing — Opportunities for improvement

Measure — How the process is performing currently

Analyze — What is the reason of defect or variation

Improve — Make changes to manufacturing process

Control — Adjustment to change in improvement

B. DMADV creating new product from scratch

Define — Requirements from customer

Measure — Requirements with measurement

Analyze — If there is a better way to get result

Design — Design product

Verify — If end result meets customer's requirements

Used in

Petrochemical

Healthcare

Banking

Government