

ET285

Digital Electronics II

WHAT IS DESIGN?

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ANSWER!

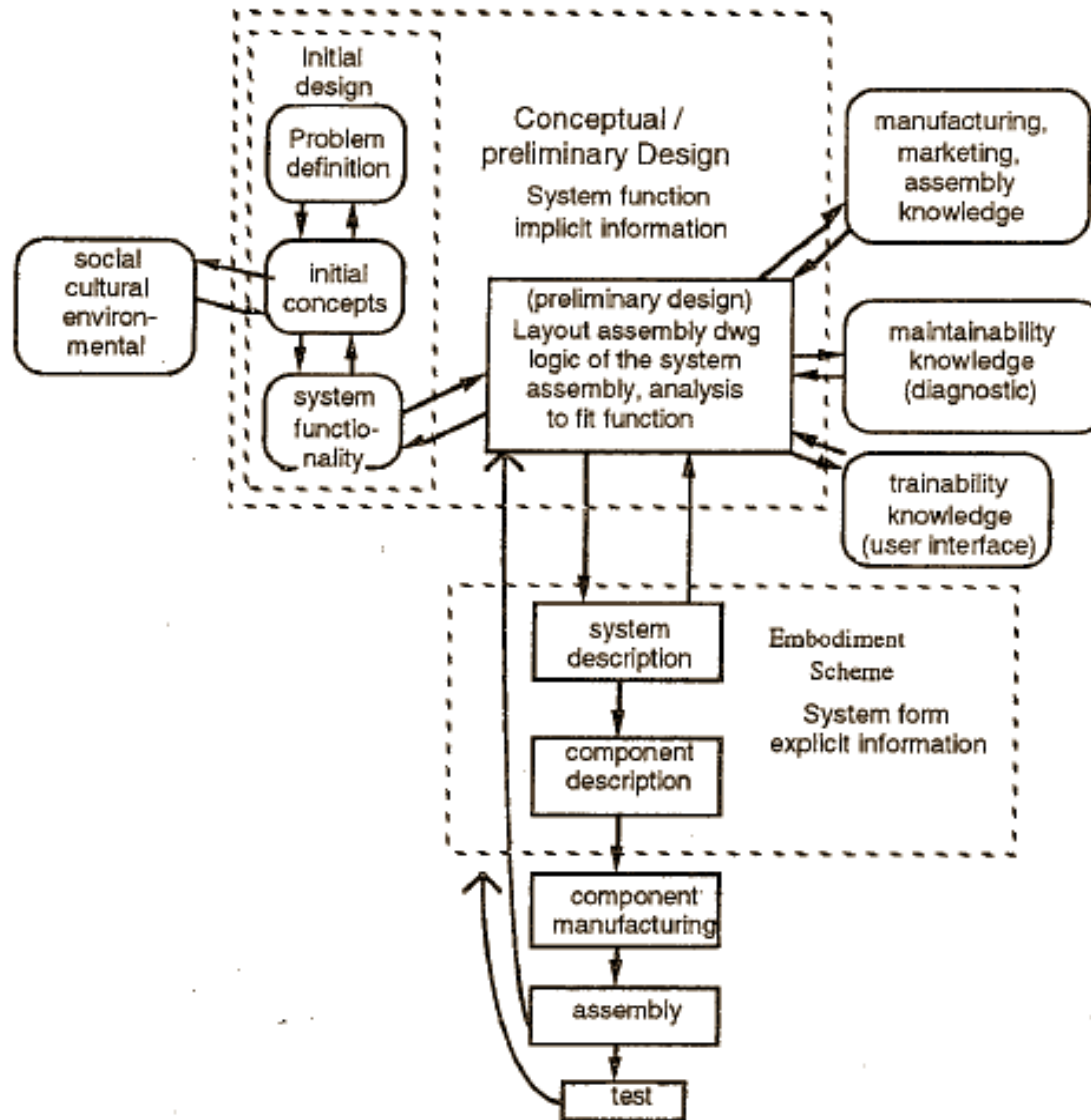
DESIGN -

**IS THE PROCESS OF
ORIGINATING AND
DEVELOPING A PLAN FOR A
PRODUCT**

Source: <http://en.wikipedia.org/wiki/Design>

EXAMPLES OF DESIGN PROCESSES

Functional Model of a Design Process



Source: Mechanical Design (Theory and Methodology),
M.B. Waldron, K.J. Waldron

Embedded System Design Process Model

For ET285 Design Project will focus on these 2 blocks

DESIGN

Concept

Iterate on algorithm or model development with real-world stimulus

PROTOTYPE

Verification/Validation

Quickly implement your design on ready-to-run hardware devices and validate functionality

DEPLOY

Production/Scalability

Target your application to the final hardware device and scale with production test

Source: <http://www.ni.com/embedded>