



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

COIMBATORE-35

Accredited by NBA-AICTE and Accredited by NAAC – UGC with A+ + Grade

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



19EEE305 / EMBEDDED SYSTEMS III YEAR / VI SEMESTER

UNIT-I: INTRODUCTION TO EMBEDDED SYSTEMS

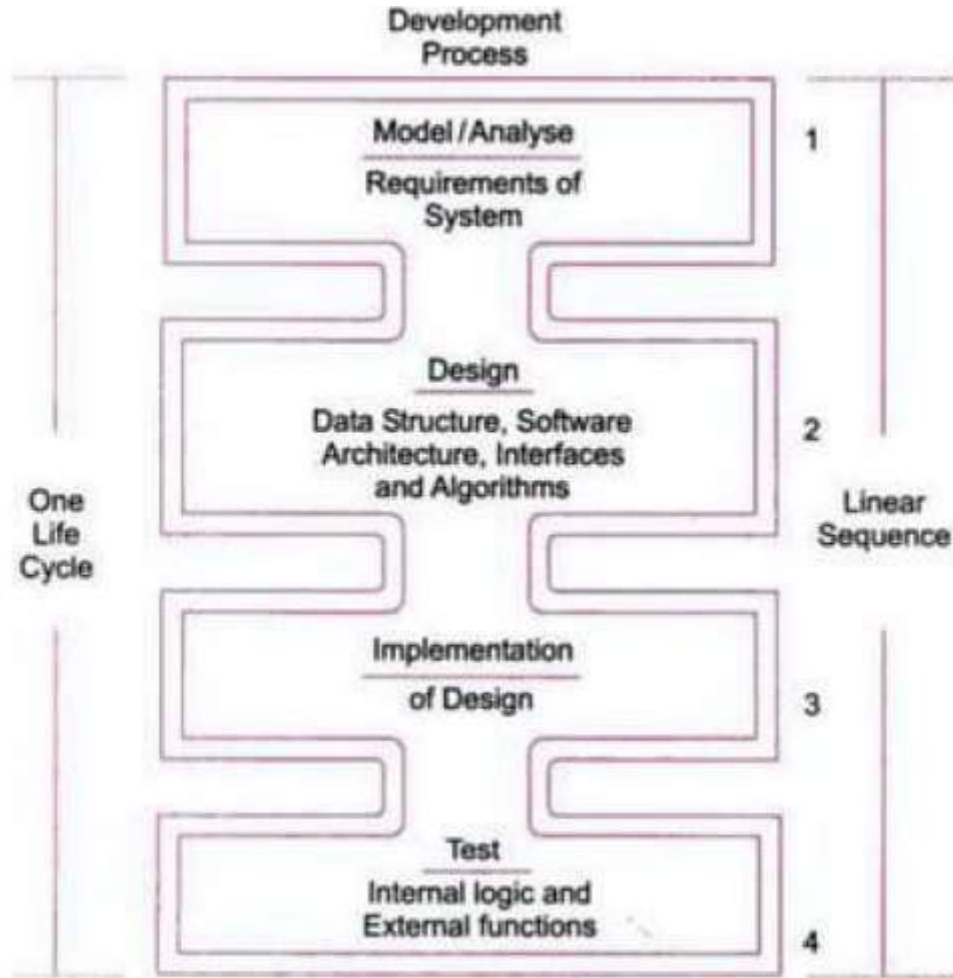
DESIGN PROCESS



Design Process in Embedded System

- *Concepts used during Design process*
 - Abstraction
 - Hardware and Software Architectures
 - Extra Functional Properties
 - System Related family of Designs Modular Design
 - Mapping
 - User Interfaces Design Refinements

Design Process in Embedded System



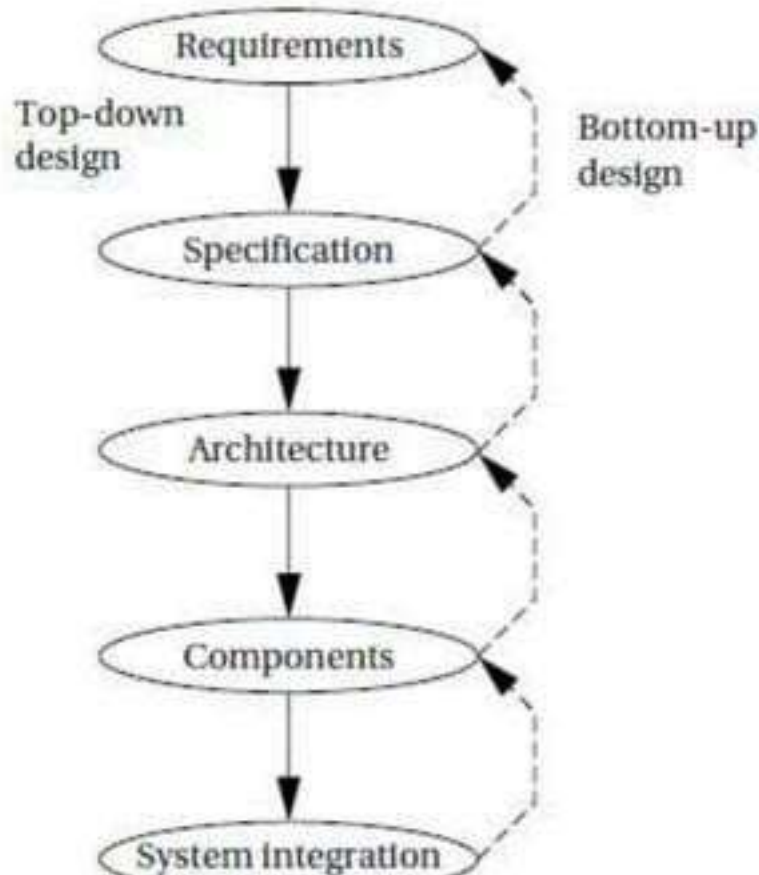


Design Metrics

- Power Dissipation
- Performance
- Process Deadlines
- User Interfaces
- Size
- Engineering Cost
- Manufacturing Cost
- Flexibility
- Prototype Development Time
- Time to Market
- System and User Safety
- Maintenance

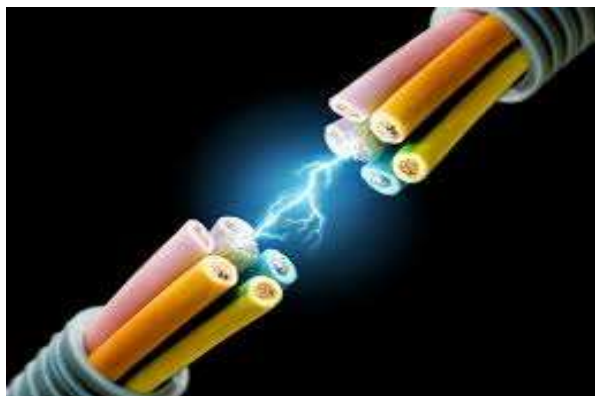
Design Process in Embedded System

Abstraction of Steps in Design Process





RECAP....



...THANK YOU





SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

COIMBATORE-35

Accredited by NBA-AICTE and Accredited by NAAC – UGC with A+ + Grade

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



19EEE305 / EMBEDDED SYSTEMS III YEAR / VI SEMESTER

UNIT-I: INTRODUCTION TO EMBEDDED SYSTEMS

STRUCTURAL UNITS

