



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

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COIMBATORE-641 035, TAMIL NADU



19MEE404 - Product Life Cycle Management (PLM)

UNIT 4: PRODUCT LIFE CYCLE MANAGEMENT SYSTEM

3. Information Models and Product Structure

- **Information Models:**

- **Definition:** These models define the structure and relationships of product data within the PLM system.
- **Components:**
 - **Product Information Data Model (PIDM):** Manages data such as geometry, material specifications, and configuration rules.
 - **Product Model:** Represents both the physical and functional aspects of the product.

- **Product Structure:**

- **Definition:** A hierarchical breakdown of the product into assemblies, sub-assemblies, and parts.
- **Example:**
 - In the context of a laptop, the product structure might include:

Level	Component	Description
1	Laptop	Complete product
2	Motherboard	Major sub-assembly
3	Processor	Component within the motherboard
4	Heat Sink	Part attached to the processor
