17 Single functioned - An embedded system usually executes a Specific program superatedly. - Example: A pager is always a pager. - An desktop system executes a variety of programs like spreadshells, word processors, video games with new programs added frequently. - There are enceptions. -S'AN CIPE SAU is where an embedded system's

1/ Consumer Electronics

· Cell phones

· Pagers

· Digetal cameras

. Camcolders

· Video cassette

Recorders

- Portable Video games

· Calculators

· Personal digital assistants

3). Office Automation

SANTHOSHAKUMAR R

2) Home Sippliances

· Microwave Ovens

· Answering machines

· Thermostats

· Home Security System

· Washing machines

· Lighting Systems

H) Business Equipment

· Cash Registers

Custing check-in

- Portable Video games
- · Calculators
- . Personal digital assistants
- 3). Office Automation
  - Fan machines
  - · Copiess
  - · Printers
  - · Scanners

- H) Business Equipment
  - · Cash Registers
  - · Curbside Check-in
  - · Alalm Systems
  - · Cord Readers
  - \* Product Scanners
  - · Sutomated telles machine

Scanned by CamScanner

## Embedded System Overview - Computing Systems are Everywhere. Most of us think of desktop computers like PC's, Laptope, Mainframes, Seevers. But there's another type of computing system called as Embedded Computing System. - Embedded computing systems are Computing systems embedded within electronic devices. - Any Computing system other than a desktop computer. - Embedded Systems are found in a variety of common electronic devices such as 2) Home Appliances SAMINA OSNIA E MARARCA

## 57. Automobiles

- · Transmission Control
- . Quise Control
- · Fuel injection
- · Antilock blakes
- · Active Suspension.
- The list of Embedded System goes on.
- By Seeing this we can say that any device that suns on electricity either already has or will soon

have a computing System embedded within it.

Andrew Cost for less than desktop

Characteristics of Embedded Systems

Let us see few Common Characteristics of Embedded System that can be distinguished from Embedded Systems other Computing Systems 1) Single - functioned 24 Tightly contrained 37 Reactive & real time

- Commonly used metrics include. NRE cost (non recursing engineering cost): - The one-time monetary cost of designing the System. Imancial and a loss of models System. - Once the System is designed, any number of units can be manufactured without incurring any additional design cost, hence the term nonrecurring. er Unit Cost: manufactuling each copy

