1. Power supply

Supply of electricity is receivery to operate

any system.

2. Processor

* Core Component of any embedded system is.

Processors.

* Smaller applications require fewer bit

Processors.

* Three different processor types - 8 bits 16 bits 32 bit CPU.

catégorier of processors available are,

- * General Purpose processor
- * Digital signal procession
- * Media Processos
- * Application specific procusion
- * Microprocessor & primarily used
 - * Embedded processor
 - * Application specific instruction processor.

3: Timers and Countries direct expectable to In embedded system, times are deployed Lo court the occurrence of things and Carryou actions as regular intervals. Times primary Lark is to Guale wowe form with specific delays. 2. Pro ws 03 There are Several types of System memory Internal mornary at pic * RAM at Soc or External RAM * Internal cache at µc * External RAM Chips * ROM | PROM * Flash EEPROMOSESSON TO MATORIAL MC isself Contains RAM and ROM (Non-volatile) (volatile) 2. Communication bost These are interfaces through which System Can Communicate with other System.

Various interfaces are available

Thermer

Thermer

Rs-232 > Rs-423 > Rs-485

SPI > I2C > USB

serial port sead mont about dimensors of best to

- * Used for Serial Communication
- * Dala is transferred one bit at a time
 - * Serial Protocols are VART, SPI, SCI,

Parallel port

- a Used for peripheral Connections
- * Transmits Several bits of data simultaneous

In comparison to modern serial ports, the Parallel ports have more datalines and require longer cables and port connectors.

6) Input and output

- * Input may come from user or sensor
- * Fixed number of I/o Ports can be.

used on his under the user's need.