

- Applications

& consumer Herespures.

A Troumsted Machinery.

\* Automobiles

\* Agriculture

a Pourossing Industrical persons.

A APT Plouves

\* nightal watches.

\* Tigital comeon.

K vouding Machine

\* proble double etc.

UI -> NO USON Dutujare CLOTS

HOW- YOUR

e-routed by shut dry

+ Auto natral System > no human entire escence

& conveyor belt were senson count no of still bottles, desplay on compater some wethout human Interferenced.

+ Elect-secol count:

\* Paraled correct Board

\* Rexistores

\* Capacetors

a Judu do 18

+ THOWPS TOTE,

A DOODES

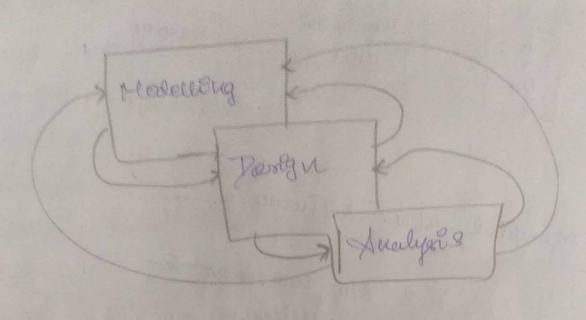
& Dutegrated conceilt

\* LED (Sque Emil Drode)

of LCD. ( Wavid organ officery)

Homark Harolevana nanosy PLAS unet 4 Embedded 8 ystem 8 of twower : E3 8/w compound computer Assent Emulators Leven Debuger,
wompeter (10 101) werrow the charges EDETOR Towns support frame to your provide the - system Proput of the mornifold of the marriage of the state of the s of w Compound components II to the state of t 6 19 19 34stone 6/P.

> Derign TROOPS D ES!



\* undelling: - Through Initation.

& Avalyses: - through DES ection.

\* Tangu: I to allvely neves xmany 3

- s Magon Love to Jerign Process :.

& Sound Roffwage & Hardwage Spece & alsong.

- & formulate anche tecture of system to be perigued
- & Parterouring Handware 4 29tware.
- \* It waster a Apparaish to person Houseware a software.

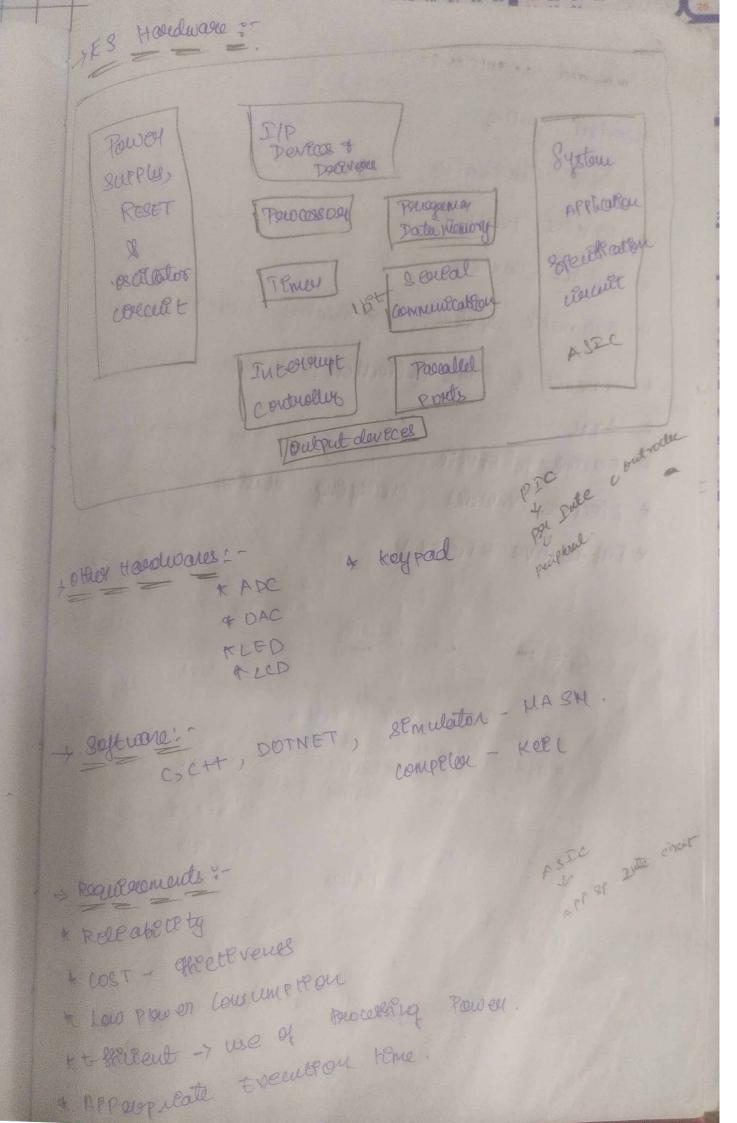
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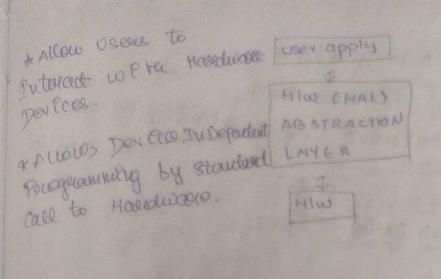
(3) tunckfoul partger In wet think your younge



+ Embedded Examples :of central heating 4 Octobal Formoung system \* FET WORS Troackers. \* Hedlal Joveces or Automatic system (cock breaking system) \* Transmit & Fame collection Leveryour up, Auto water Machine ATH (withdraw course) Factory Robotic (Mech Pobs, Semons etc) \* Electric vehicles charging station casembly the w reding) : ouve alteret mour recursos \* Interactive K FOS ts charley, charren is et . Prinable resperience a Inter. webley Hacking \$ 08 ers free -> hompar

+ En boaded Programming Languages: 12m 6 7 13 1 10 (2 17 ) or derva \*C & ELPKER. 4 Ax dumo \* VHDL 4 C++ \* FORTH \*(# \* Embeddele & TCL & vertices & py teron & En Long 13 20 \* LABYLEW \* LOOKBUY LUGGE & RUST 27 \* LUA -) C++ -) Hemory space is possible

devecos, ( Haveder asso Abstraction: 30/6/22 H & extraction APPlication o Percultug system Hace Abstraction layor Havedencina Devece Degrees CPU bus Regesters Hasedwases Hacidwall function



a No wood to underer and Physical Integral

Julie Paretation:

\* qualitie: semantice of a language & Instructions reache to panagrounner and Implemented

by low level Processon, which Interpret Paloquam vegeble Instructions.

> Tr austation :

\* Easy gorn of abstraction. \* RTL (Register transfer Level)

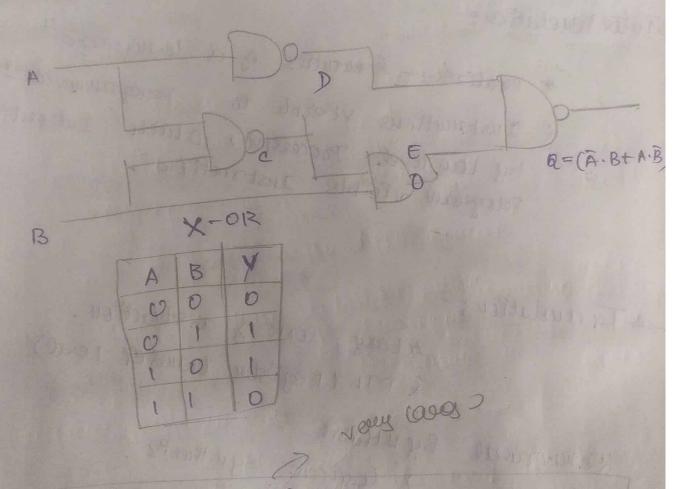
Synthoss . -> Logecal synthosis. Be haveoural

> Extension :-

\* Defene New Datestypes.

\* system > Havedwave Guel. Implement by extension of c++.

## -> MOR USENG NAND GRATE! -



-> Interpredation - VLIW

-) 79/aus lateou - RTL - Dérecti to Logre gate.

> Expensed > HAL > CH

-> PESC rete Event Semulation: \* used to readel deal would system that an be disposed Ento set of Loghardy Separate processors that outs males by program through the. \* Each event occur on a specific process A assigned a Logical Temesterne. Bogen) peclast ug & Pult Pall 2849 vacillables A Array Checkend 8to P and the out Det dimene gest well Next & vent semulation Rosult System state change END SEM Water ON Check update collect States rece

