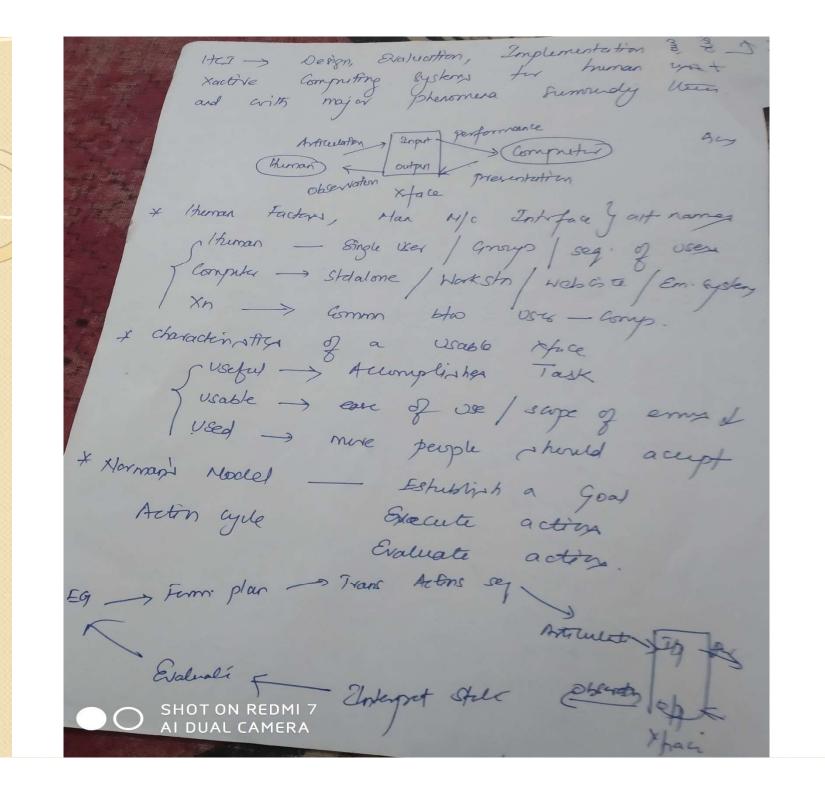
Strondowing system -> Multithreaded dialog (3) Great Editing / File management in mustiple windows Concurrent Muiti threading -> Beep when editing file (Arrival of New Message in Introx) Beep "Interleaves" Edit operations (3) Task Nigratamility: - Transfer of Control for execution of tasks the system and wer Ly Transfer of control across hoth L> spell cheeking -> system / user control L> safety critical Applications -> " " } Essential -> Matter of life / death. (4) substitutivity -> Alternate forms for Seguntes 4 Margin setting in ms word / Muttiple ways · Rymesenlation Multiplicity -> Flexibility for slate rendering + temperature graph -> / Digital thermometry (Values) ( trends) Equal appearently - input / output levels ( )" system/user Not premptive" Excell - Spreadsheet > Firmula.

(5) customizativity: - modificativity of user int Is Automated modifications of system based on knowledge (level) of user @ Aclogramity Adaptining @ O -> usern Attity to adjust the form of input / output -> mostling of soft metting erry -> limited in operation. " structure of xaction undanged" @ Adaptinity -> Automatte Customization of user interface my the system. La Based on user Expertise 6 knadledge of HCI pattern / Behavier history (\*) ROBUSTNESS: - features that Repport successful achievement and assessment of goals by features to Compare current observed state (1) observability -> Evaluate Internal date of the eystern by means of perceivable representation @ viterface. 6 5 principles. in Browsahilly > Explore current slate via einisted view @ citerforce Lano side Effects by passive wirt

auths - Error Mestertion Mechanism is refined within system/ acquired during industrien La statte 1 Dynamic Defaults before during the sossion ( ) Adapting Defaut Values based on Ber Behavier. (iii) Reachability > Possibility of Navigation though the observable system states (iv) Persistence -> Duvatton of Effect of a Communication act and the atributy of war to make use of that effect. Ly Beep on Receipt of Mails - Reminder during other interfeaved operations (v) operation visitify -> Honest / Immediate Fyects of Action sequences @ Reloverability > Ability to reach a desired goal after relignation of some error. in a previous interaction. - Backward > Undo Effects; Back to Earlier Cond and regotiation from that slate to a desired Ly 12/ curdo butten in word processor > Principle of "Commensurate Effort" -> worst case as many actings on it took to reach smr slate

@ Regions Neness - Rate of Communication The system and the user La Response time -> Duration of time Mexical by the system to engress state charges to the user. " Short Duration; Instartaneous Response times are desirable" " Feedback during intensive Computations" \* stability of Response time is also intell (A) Task Confirmance > Task Completeness addresses Coverage; task adequacy - usery cerdinstanding of the task. Standards / Guidelines:-La Principles -> Abstract Design Rules coils "high generality of low authority". 4> standards -> specific Design Rules "High on Authority and low on Application" 4 Guidelines -> Low in Authority and High in Application". \* standards for xactive system Design are uniany set by National / Inkinational brodies to ensure Compliance with a set of dinn mes

Heman Computer Interaction \* Word Processor - Some / Delete option y - File level operations - adjacent in menu - mouse based access -> Inadvertent delete instead of some Gronf. bassed delete - But also for sauce \* VCR - Relording a television programme \* Car vodio deisgness - Tune vadeo features diverti attention from road \* Mac OJ - Task Bar (dock) - + side bust launch pad for apply) mash can Dock i am Constructly move - accidental error Grush can keigs mining - copy Poto Trush folder Ly Derignis don't get better Ly user's get better S/W -> No longer pretty x faces 6 suited for task 4 eary to use 6 feedback on performance 5 display into in a fromat pace adapted to the antim to S/D Ergonomia



target hit some - for of tranget distance to be mused La Sometation diff, ozed circles /dext agos 1 30 of dist 1 time I dies } - i comic (is near) - persistence of echoic (aunus) - repeat outs > Shin term Coonky (35×3)(3) > 712 digita Colignt spring xolunus

State for Automatic agrige.
Car style I fixed digit 1 2 3 4 Stp - of changes -> Visual / Auditory / Huptre show term / long term / sensony (Inf. Iwed) (worker of) sensory organs / cap -> signi / hear /truch / smen / trusts Key in HET 4 seer ofp -> signt / inion () Emp -> Beep feedback Distunce from focus point Bottom & be noticed - flooring messages - edges morenes ( nods sensitive to outer La Capitales difficult read tailure for tentile Burning industy /ost -> Hay feeling