





## 1 (120) esite and assistant disadvan tages · response might be wrong if KB contain wrong info · like human, it cannot produce weather output for diff scenance · maintenance & development cost 1. · tenovoledge acquestition for designing is diff. · for each domain, we reequire a specific Es · Es cannot learn from itself, hence requirer manual updator (maintenance cost 1) · Even in case of &mergeney, we need to follow all the intial steps to get output /reesponse nt of time consuming, seequive team of secure 4 Stages of development casidons primilistas 2 Widentification 7 and one protong of the describe with as much as precision as possible, the problem that system is intended to solve determine exact nature of problem, state the pre sise goals indicate how we expect system to contribute to solution - focused on underes tandely 2) Conceptualizations -Niomoboni ositogas se analyze the problem Knowledge engineer freequently creater diagram of problem to depict graphically the relationships blue objeds of processes in problem domain. edo 10 10 10 10 10 10 1000

problem = subproblems y find scalationships

bloothem

3) Formalization toward on proposed solution by analysing relationships depicted in prevising valationships depicted in prevising various technique of Knowledge respueses tation, heuristic search, expert tools. . . . . Should be lono won to Knowledge Engineer.

Dimplementation

formalized concepts are programmed onto computer.

using pre determined techniques of tools to implement "fixtare program proto type of experts ys tem.

first prototype. "Horow-away" Bystem of we ful for evaluation progress

Experts y stem 4

(S) Testing)

perovides opportunities to identify weakness instructured

implementation of system of to make appropriate corrections

Roles of Expert systems or applications

- · In designing & manufacturing domain boroadly used for designing of manufacturing physical devices such as camera denses of automobiles
- · Icnowledge domain

  wed for publishing relevant knowledge to users

  two popular Es used for this domain advisor.

  tax advisor
- finance domain

  used to detect type of possible fraud, suspicious activity

  advice bankers. that if they should provide loans for

  business or not.

  In diagnosis & trouble shooting of devices
- · planning & Scheduling of some particular task for achieven goal of