• Chapter 1	Suction analysis and dosing (SAD) - Process for developing available TS
Introduction	System analysis and design (SAD) - Process for developing quality IS.  System analyst (SA) role? - Plan/Devl Maintain Info 8 Manage project /Write Docs./ Report/memo.
	Information System (IS) - 5 components puts into the system task & business for to achieve specific result.  Set of related component Hardware / Software / Data / Process / People
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	Controls hardware System Software  Application Software
	> Horizontal System - adapted for use in many types of comp
	Vertical System - designed to met the unique requirement
	Legacy System + Older System.
	Internet Business Strategies - The Internet Model + UI creates comm, blw OBMS & web servers.
	-B2C: customers can do basic customer stuff.
	-B2B: carry out why EDI / using SCM to manage inventory / suppliers etc.
	Business Into mation System - Current method: Office productivity systems
	4 Operational require decision support / Systems defined by fr & features
	- Enterprise Computing: Supports Company-wide operation & data management regs.
	4 Enlerprise Resource Plansing (ERP)
	- Transaction Processing (TP) system: generated by day-to-day ops.
	- Business Support Systems: Job-related info. support e.g. MIS   RFID
	- Knowledge Management : use knowledge base & inference rules.
	4 find into using keywords 4 data pattern & relat.
	- User Productivity System: e.g. Troupware / improve productivity
	Digital assistants: comb. of knowledge management & user productivity
	- System Integration: comb. of TP/ business support/knowledge/user prod.
	Organization Information Models Organizational Level
	- Top manager: Develop tong-term Strategy
	-Middle manager: provide direction/resource/feedback
	to supervisor & Team leaders
	- knowledge workers: support org's basic for
	- Supervisors & Team leaders: Overse employee & carry day-to-day 12
	- Employee: rely on TP to do data ops. / Mandle tasks assigned by Eupervisors.
	System Development. • Structured analysis: Use SDLC/use a set of process models to visualize a system
	Waterfall   Li Plan - Analyze - Design - Implement - Support Li DFD
	System Graphical reps., show its stores, process, & transform data
	Object-oriented analysis: data & process as objects: member of a class
	: 4 characteristics = properties  can inherits from its class or possess its own
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factors Affecting System Projects · Internal: Strategic Plan/Top Manager/User Request/IT Dept./ Existing System and Data / Company finances. · External: Tech. / Govt. / Econ. / Competitors / Customers / Suppliers Processing Systems Request System review committee/Computer resource committee - use combined judiment & experience of several analyst to evaluate system projects. :--> Broder viewpoints -> established priorities -> person's bias is less affected -> actions must wait /favor their ow System request forms. - streamline the request & ensure consistency - foolproof/indicale required docs. System request tool: manage workflow Request Feasibility Assessment. -can be simple or exhaustive, depends on nature of requests. Initial fact-findings: study orgz. chart/interviews/review docs./observing ops./survey users. -Operational sys. will be used effectively? can be influenced by oyrs. culture. feasibility difficult to measure w/ precision, but must study carefully - Questions: supported by marragement & user ? / workforce reduction? / legal & ethical issue? : Projected benefits of sys. > estimated cost (TCO: total cost of ownership) -Economic feasibility TCO requires cost analysis (ppl/hardwame/software/training/license/consultiny/idiliny cost) cost: tangible cost (in currency/benefit result from revenues) intangible cost (IP/affects orga. performance/important to company) : Technical resources needed to develop and operate the system. - Technical feasibility Questions: Have necessary bardware, soft ware, network resource? / technical expertise? Subficient capacity for future needs? / required prototype? / reliability? : Project can be implemented in a given acceptable time frame. (Time & Cost) - Schedule feasibility Issues: can control factors affect schedule? firm time table established? what conditions must be satisfied? posed any risk? management technique? Priorities Setting - dynamic priorities: priority can change due to changes & various factors. · factors: reduced cost? / increase revenue?/more info or better result? / benefit customers & oggz.?/ implemented in time? / necessary resource available? · Projects: Discretionary (Management Bas Choice in implementation) Nondiscretionary (-n - no choice / Predictable e.g. payroll update / tax / quarter chappes) Preliminary Investigation - conduct to study the systems request & recommend specific action. - after obtained authorization, proceed to interacts w/ users, managers, & stake holders. · Planning the investigation. - meet the key ppl. to describe project, explain responsibility, ansuer greation, invite comments.

- focus on improvement not problems.

