

Department of Computer Science

→ What is a feasibility study?

What to study and conclude?

→ Types of feasibility

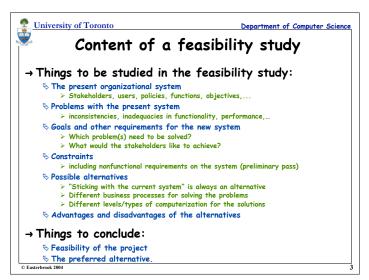
- **७** Technical
- **♥** Economic
- ♦ Schedule
- ♥ Operational

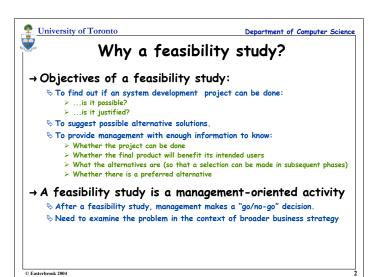
→ Quantifying benefits and costs

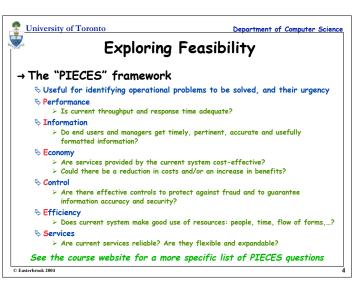
- ♦ Payback analysis
- Net Present Value Analysis
- Seturn on Investment Analysis

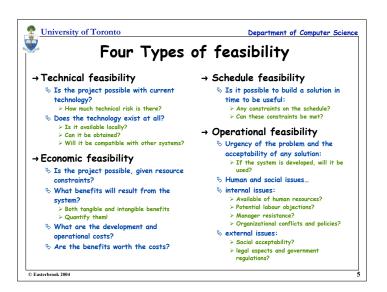
→ Comparing alternatives

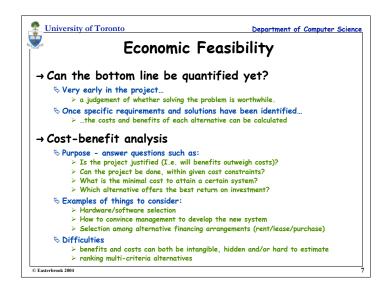
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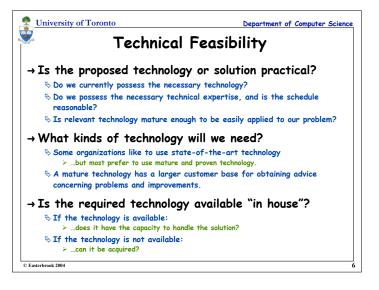


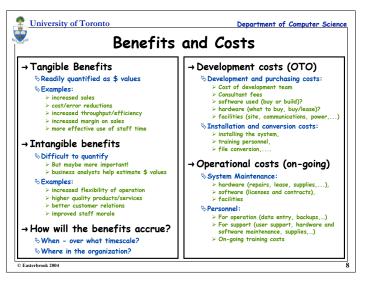


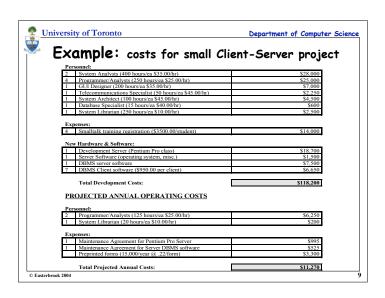


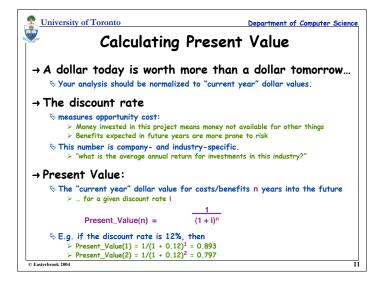


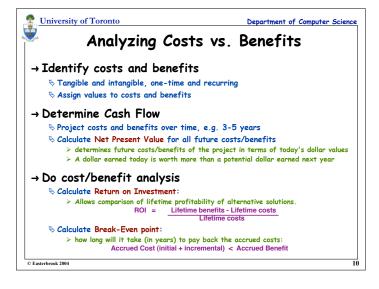


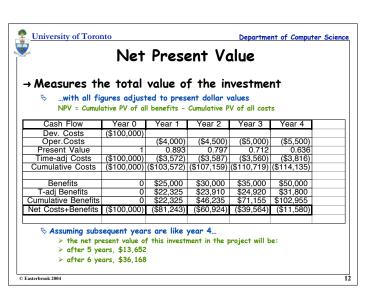


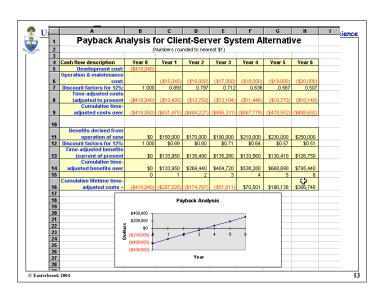


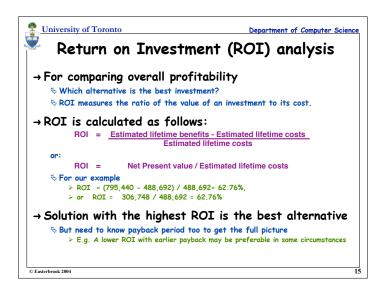


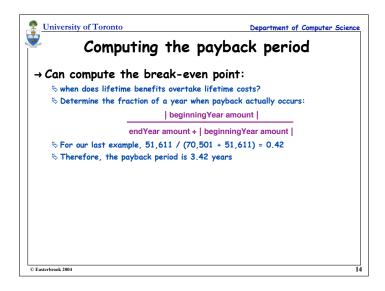


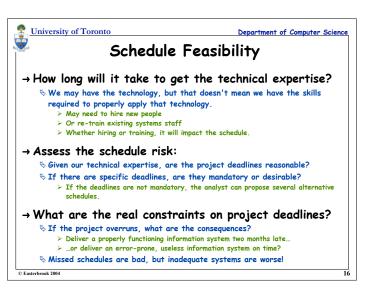


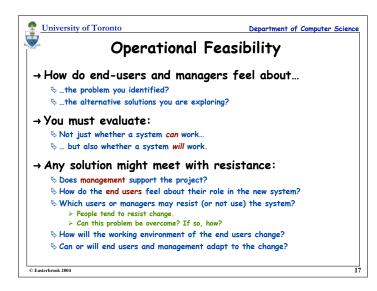


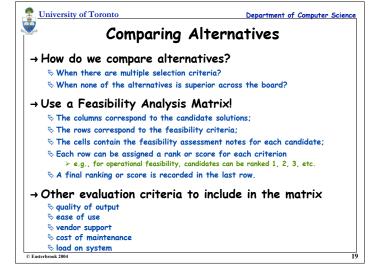


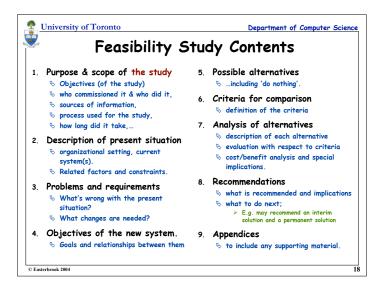












d	Example matrix							
	Candidate 1 Name	Candidate 2 Name	Candidate 3 Name					
Description								
Operational								
Feasibility								
Technical								
Feasibility								
Schedule								
Feasibility								
Economic								
Feasibility								
Ranking								

Feasibility Criteria	Wt.	Candidate 1	Candidate 2	Candidate 3	Candida
Peasibility Criteria Operational Feasibility Functionality. Describes to what degree the alternative would benefit the organization and how well the system would work. Political. A description of how well received this solution would be from both	30%	Only supports Member Services requirements and current business processes would have to be modified to take advantage of software functionality	Fully supports user required functionality.	Same as candidate 2.	
user management, user, and organization perspective.		Score: 60	Score: 100	Score: 100	
Technical Feasibility Technology. An assessment of the maturity, availability (or desirability of the computer technology needed to support this candidate. Expertise. An assessment to the technical expertise needed to to the technical expertise needed to the technical expertis	30%	Current production reclease of Platentian Plus package is version 10 and has only been weeks. Maturity of product is a risk and company charges an additional monthly fee for technical support. Required to hire or train C → expertise to perform modifications for integration requirements.	Although current technical staff has only Powerbuilder experience, the senior experience, the senior experience, the senior experience with the saw the MS Visual Basic demonstration and presentation, has agreed the transition will be simple and finding experiencially the easier than finding experience programmers and at a much cheaper cost. MS Visual Basic 5.0 MS Visual Basic 5.0 is a mature technology based on version number.	Although current technical staff is comfortable with Powerbuilder powerbuilder concerned with recent acquisition of Powerbuilder by Sybase Inc. MS SQL Server is a current company papetes with SyBASE in the Client/Server DBMS market. Because of this we have no guarantee future versions of the paper of the company with the paper of the paper o	
		Score: 50	Score: 95	Score: 60	

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Feasibility Criteria Operational	Wt. 30%	Candidate 1 Score: 60	Candidate 2 Score: 100	Candidate 3 Score: 100	Candida
Feasibility	30 /6	Score. 00	Score. 100	Score. 100	
Technical	30%	Score: 50	Score: 95	Score: 100	
Feasibility					
Economic Feasibility	30%				
Cost to develop:		Approximately	Approximately	Approximately	
•		\$350,000.	\$418,040.	\$400,000.	
Payback period					
(discounted):		Approximately	Approximately 3.5	Approximately 3.3	
		4.5 years.	years.	years.	
Net present value:		Approximately	Approximately	Approximately	
		\$210,000.	\$306,748.	\$325,500.	
Detailed calculations:		See Attachment	See Attachment A	See Attachment A	
		A.			
		Score: 60	Score: 85	Score: 90	
Schedule Feasibility	10%	Less than 3	9-12 months	9 months	
		months.			
An assessment of how					
long the solution will take					
to design and implement.			Score: 80	Score: 85	
	1	Score: 95			