Name: Ananya Pravad PAGE NO .: Reg No: 20BCE10093 ASSIGNMENT - 2 Differentiate between spiral and incremental mould of software engage INCREMENT AL MODEL SPIRAL MODEL Represented as a series of incremental Represented as a spiral shape that builds that are added to the product passes through several phases, including until it is finished Planning, risk analysis, engineering ard evaluation Each increment builds upon the Each iteration produces a new version of previous one and adds new features software, building upon previous work and incorporating new or improves existing ones requirements Best suited for projects where requirements Best swited for large and complex are not well understood or where projects where requirements are rapidly changing and risk is high I the client needs to see early and frequent results The process involves a repealed cycle The model is a risk driver process Of planning, designing, building and model the combines in clements of both design and prototyping testing the software in stages combines the advantages of top down Allows for changes to be made at any and bottom up concepts I stage of the development process, making it more flexible and adaptable to Changing requirements



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	status, and a revaluation of feedback and allowing for course			
Δ	project goals and plans correction if necessary			
7	with the state of			
- 1	The sprae model provides a more The incremental model provides a			
-	discount and is more swind more flexible approach to sayware			
	development and is more suited development and is more suited for			
	for complex and large projects projects where requirements are not			
	where risks are high and well understood or where the climb			
	requirements are rapidly changing I helds to see early and frequent results			
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2	Explain cost benefit analysis in detail:			
	cost benefit analysis (CBA) is a method used to determine the			
1	feasibility of a project or proposal by comparing the costs incurred			
	and the benefits received.			
7.	laintify cost: All direct and indirect costs incurred in implementing			
	the project or proposal should be identified and estimated			
	Identify benefits: All benefits that can be realistically expected as a result			
	of the project or proposal should be identified and tested			
-	Assign monetary values: It make it easier to compare and evaluate results			
_				
-	Compare cost and benefits: A companion of costs and benefits should be			
	made to determine whether the benefits outweight the costs and by how			
TI	much.			
71-				
1.30	Time frame: CBA should take into account the time frame over which the			

costs the and benefits will be incurred and received.

		DATE:	
		Uncertainity: CBA should consider the level of uncertainty associate	<u>ia</u>
1		with the estimates of cost and benefits	
		senearity and analysis: CBA should be repealed with different assu	mptions
		about costs and benefits to test the senstivity of the results.	
1	x 8	the second secon	
		Opportunity cost: The opportunity cost of implementing a project or pr	pposar
n(e		should be taken into account, which is the cost of the best alter	
- 1	- 11	use of resources.	
		The state of the s	
1	4	Limitations: Difficulty in assigning monetary value to intangiple ben	yits
	9 (	difficulty in predicting future costs and benefits and considering	
	ex	externalities " motor di simpondo impos no moras E	
Jan I.	<u> </u>	Comment of the beating in an exactly the second second	
=1	CEA	A is a useful took for evaluating in feasibility of a project or	- Laradon
	by	comparing costs of benefits but as it has limitations it shows be	roposal
1 :	in	conjuction with other methods	wed
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