## **Course Project – Risk Matrix**

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Management Course.

## Activity – Risk Matrix

## Full project risk assessment matrix:

			L	M	Н			
		100		IVI				
		90			<del>- ( 7 ) -</del>			
		80		(9)	$\overline{}$			
		70	_					
		60	<del></del>	(5)				
		50						
		40			<del>( 8 ) -</del>			
		30		(1)				
		20	<del>-                                    </del>	$\sim$				
				(3)	<del>- (2)</del> -			
		10						
					Risk Impact to			
Number	Risk Name	Full Risk Cost	Dick Drobability	Factored Risk cost	•	Dick Mitigation Dlan	Point of Contact	Expected Risk Retire date
vullinel	NISK INdITIE	i uli Nisk CUSL	Mak Flobability	i actorea mak cost	Project	Risk Mitigation Plan focus on deign planning, document procces, and	1 Sint of Contact	Expected hisk netire date
1	Stakeholder milestone payments fail	\$20,000	30%	\$6,000	М	* ' * ' ' '	PM	First delivery Date
1	Stakeholder Hillestone payments rail	32U,UUU	30/0	<b>,000</b>	IVI	prototyping Plan to hold back 15% of awaard contract amount	L IAI	3 months Before Final
2	Manufacturing Risk (Increase of product order)	\$66,000	10%	\$6,600	Н	to afford extra resources if needed	Manufacturing team	
	ivianuracturing risk (increase or product order)	200,000	1070	,ουυ	n	to arrord extra resources it needed Implements mulitple vendor sources and aviablity,	ivianuracturing team	Delivery date
3	Shortage of material resources	\$180,000	10%	\$18,000	М	' '	Production team	2nd Milestone payment
3	Shortage of Hidterial resources	\$100,000	1070	\$10,000	IVI	delivery schedules tracking Implements failure mode ananlysis with event		Before intial program
4	Project schedule and milestone	\$43,000	200/	¢0 600	L		HR	
4	Froject schedule and fillestone	Ş43,UUU	20%	\$8,600	L	trees ensure kickoff and follow up schedules in project	IIIV	review After initial project
r	Drainet avacution plan	¢500.000	60%	¢200.000	M		Droinet Dlannine	
5	Project execution plan	\$500,000	00%	\$300,000	M	scope impleemnts variations of protoyps with document	Project Planning	review
6	Drainet parformance enceifications	\$200,000	600/	¢120.000		' "	PM	and Drainet Davious
6	Project performance specifications	\$20 <b>0,000</b>	60%	\$120,000	L	ocntrol proccess Collaberate weekly scrum meeting for all		2nd Project Review Before 1st Intial project
7	Project P&D Decign Conflict	\$95,000	90%	\$85,500	Н	, , , , , , , , , , , , , , , , , , ,	R&D	' '
/	Project R&D Design Conflict	232,000	90%	\$65,500	n	departments.	Nαυ	review.
	Dunio ski i sakifi naki na	ć00 000	400/	ć22.000		Develop full use-case for product an dschedule	Danier to an	Defense finet delinem dete
8	Project justification	\$80,000	40%	\$32,000	Н	User test on project review dates	Design team	Before first delivery date
						Source contractors who have biuld Mil-spec radios		
						to purchase and rev engineer or associate cost		Defere 1st Intial project
0	Dadia Madula dasina	¢EC2.000	000/	¢440.000		ananlysis plan to see if pre-biult units would be	000	Before 1st Intial project
9	Radio Module design	\$562,000	80%	\$449,600	M	cheaper then biulding in house.	R&D	review.
						Course contrasteur unha haus hiuld Mil		
						Source contractors who have biuld Mil-spec		
						refrigerator pouches to purchase and rev engineer		Defens to had believed and
40		4040.000	500/	4407.000		or associate cost ananlysis plan to see if pre-biult		Before 1st Intial project
10	Freezer pac design	\$312,000	60%	\$187,200	L	units would be cheaper then biulding in house.	R&D	review.

## Risk Matrix:

	L	M	Ĥ
100			
90		g	
80			
70	$\binom{6}{6}$	("	
60	Ů	1	
50	10		
40		$\int_{1}$	
30			<u>.</u>
20	(-)	$\sqrt{2}$	
10		(1)	

N u m be r	Risk Name	Full Risk Cost	Risk Proba bility	Factor ed Risk cost	Risk Impac t to Projec t	Risk Mitigation Plan	Point of Contact	Expected Risk Retire date
						focus on deign		
	Stakeholder					planning,		First
	milestone	\$20,0				document process,		delivery
1	payments fail	00	30%	\$6,000	M	and prototyping	PM	Date
						Plan to hold back		3 months
						15% of award		Before
	Manufacturing					contract amount to	Manufa	Final
	Risk (Increase of	\$66,0				afford extra	cturing	Delivery
2	product order)	00	10%	\$6,600	Н	resources if needed	team	date
						Implements		
						multiple vendor		2nd
						sources and	Product	Mileston
	Shortage of	\$180,		\$18,00		availability, delivery	ion	е
3	material resources	000	10%	0	M	schedules tracking	team	payment

	Project schedule	\$43,0		4		Implements failure mode analysis with		Before initial program
4	and milestone	00	20%	\$8,600	L	event trees	HR	review After
						ensure kickoff and	Project	initial
	Project execution	\$500,		\$300,0		follow up schedules	Plannin	project
5	plan	000	60%	00	M	in project scope	g	review
						implements variations of		
	Project					prototypes with		2nd
	performance	\$200,		\$120,0		document control		Project
6	specifications	000	60%	00	L	process	PM	Review
						Callabarataaalili.		Before
	Project R&D	\$95,0		\$85,50		Collaborate weekly scrum meeting for		1st Initial project
7	Design Conflict	00	90%	0	Н	all departments.	R&D	review.
						Develop full use-		
						case for product an schedule User test		Before first
	Project	\$80,0		\$32,00		on project review	Design	delivery
8	justification	00	40%	0	Н	dates	team	date
						Source contractors		
						who have build Mil-		
						spec radios to purchase and rev		
						engineer or		
						associate cost		
						analysis plan to see if pre-built units		Before
						would be cheaper		1st Initial
	Radio Module	\$562,		\$449,6		then building in		project
9	design	000	80%	00	M	house.	R&D	review.
						Source contractors		
						who have built Mil- spec refrigerator		
						pouches to		
						purchase and rev		
						engineer or		
						associate cost analysis plan to see		
						if pre-built units		Before
		<b>A</b> c		44		would be cheaper		1st Initial
10	Freezer Dac design	\$312, 000	60%	\$187,2 00		then building in house.	R&D	project
10	Freezer Pac design	UUU	00%	UU	L	nouse.	אט	review.