Course Project – Risk Matrix

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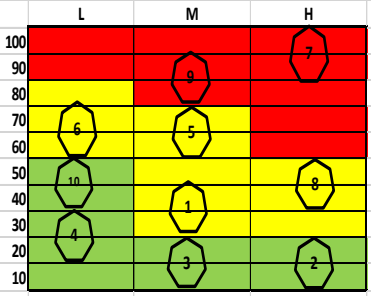
This research is submitted on the date September 4, 2020 Dr. Ashley Cobb Business Project Management Course.

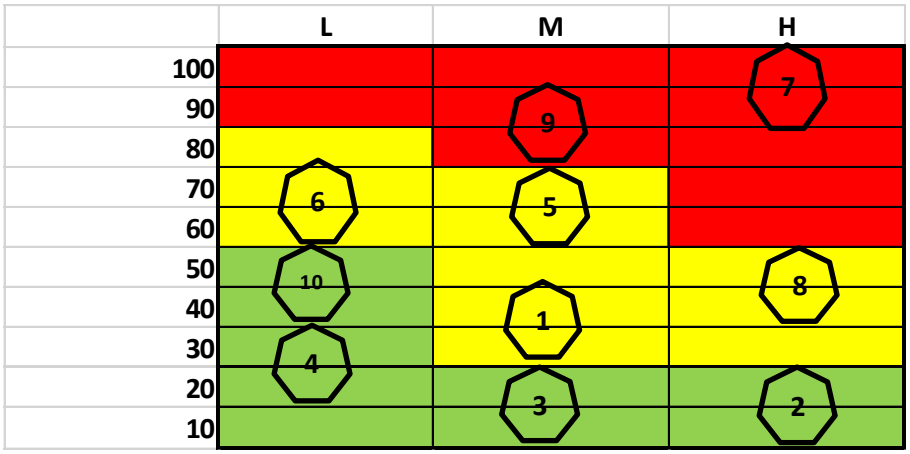
Activity – Risk Matrix

Full project risk assessment matrix:



Number	Risk Name	Full Risk Cost	Risk Probability	Factored Risk cost	Risk Impact to Project	Risk Mitigation Plan	Point of Contact	Expected Risk Retire date
1	Stakeholder milestone payments fail	$20,000	30%	$6,000	M	focus on deign planning, document procces, and prototyping	PM	First delivery Date
2	Manufacturing Risk (Increase of product order)	$66,000	10%	$6,600	H	Plan to hold back 15% of awaard contract amount to afford extra resources if needed	Manufacturing team	3 months Before Final Delivery date
3	Shortage of material resources	$180,000	10%	$18,000	M	Implements mulitple vendor sources and aviablity, delivery schedules tracking	Production team	2nd Milestone payment
4	Project schedule and milestone	$43,000	20%	$8,600	L	Implements failure mode ananlysis with event trees	HR	Before intial program review
5	Project execution plan	$500,000	60%	$300,000	M	ensure kickoff and follow up schedules in project scope	Project Planning	After initial project review
6	Project performance specifications	$200,000	60%	$120,000	L	impleemnts variations of protoyps with document ocntrol proccess	PM	2nd Project Review
7	Project R&D Design Conflict	$95,000	90%	$85,500	H	Collaberate weekly scrum meeting for all departments.	R&D	Before 1st Intial project review.
8	Project justification	$80,000	40%	$32,000	H	Develop full use-case for product an dschedule User test on project review dates	Design team	Before first delivery date
9	Radio Module design	$562,000	80%	$449,600	M	Source contractors who have biuld Mil-spec radios to purchase and rev engineer or associate cost ananlysis plan to see if pre-biult units would be cheaper then biulding in house.	R&D	Before 1st Intial project review.
10	Freezer pac design	$312,000	60%	$187,200	L	Source contractors who have biuld Mil-spec refrigerator pouches to purchase and rev engineer or associate cost ananlysis plan to see if pre-biult units would be cheaper then biulding in house.	R&D	Before 1st Intial project review.

Risk Matrix:



Number	Risk Name	Full Risk Cost	Risk Probability	Factored Risk cost	Risk Impact to Project	Risk Mitigation Plan	Point of Contact	Expected Risk Retire date
1	Stakeholder milestone payments fail	$20,000	30%	$6,000	M	focus on deign planning, document process, and prototyping	PM	First delivery Date
2	Manufacturing Risk (Increase of product order)	$66,000	10%	$6,600	H	Plan to hold back 15% of award contract amount to afford extra resources if needed	Manufacturing team	3 months Before Final Delivery date
3	Shortage of material resources	$180,000	10%	$18,000	M	Implements multiple vendor sources and availability, delivery schedules tracking	Production team	2nd Milestone payment

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