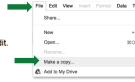


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HDMADY Six Sigma Pugh Matrix Template – Example

HDMADY stands for the phases of the Design for Six Sigma (DFSS) methodology, which is a variation of Six Sigma focused on designing new products or processes.

H	Hypothesize	Formulate initial hypotheses or ideas for potential solutions.
D	Define	Clearly define the problem, objectives, and customer requirements.
M	Measure	Measure and collect data on current processes and capabilities.
A	Analyze	Analyze the data to identify root causes and potential solutions.
D	Design	Design the new process, product, or solution based on the analysis.
V	Verify	Confirm that defined objectives are met.

1	Better
0	Same
-1	Worse

Design Options

Critical to Quality (CTQ) Items	WEIGHT (Scale of 1 to 10)	Design Options										
		Concept A	Concept B	Concept C	Concept D	Proposal 1	Proposal 2	Proposal 3	Alternative A	Alternative B	Alternative C	
Performance Reliability	8	1	1	1	1	-1	-1	0	1	0	0	
Operational Efficiency	9	-1	-1	1	0	-1	-1	0	1	1	0	
Customer Satisfaction	5	0	0	1	1	-1	0	0	1	0	0	
Cost Optimization	2	0	1	0	0	-1	1	0	1	0	-1	
Ease of Implementation	3	0	1	0	1	0	-1	0	1	-1	-1	
Scalability Potential	7	0	1	-1	1	0	0	0	1	-1	0	
Innovation Level	8	0	1	-1	0	0	1	1	1	0	0	
Sustainability Impact	3	1	1	-1	-1	0	0	1	1	-1	1	
Regulatory Compliance	2	1	0	-1	0	1	0	0	1	-1	1	
Market Competitiveness	5	1	0	-1	0	0	0	1	1	0	1	
Maintenance Requirements	2	-1	-1	0	1	1	0	1	1	-1	1	
Energy Efficiency	1	-1	-1	1	1	0	0	0	0	-1	1	
Other	7	0	-1	1	1	1	1	-1	0	-1	1	
Other	1	1	-1	1	1	0	1	0	-1	0	1	
Number of 1		5	6	6	8	3	4	4	11	1	7	
Number of 0		6	3	3	5	7	7	9	2	6	5	
Number of -1		3	5	5	1	4	3	1	1	7	2	
Non-Weighted Solution Scores		2	1	1	7	-1	1	3	10	-6	5	
Weighted Solution Scores		7	11	6	31	-13	-2	11	53	-16	16	

Dropdown Key

1	Better
0	Same
-1	Worse

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