

ID	Task Name	Duration	Start	Finish	Resource Names	Baseline Cost	Baseline Estimated Duration	Actual Cost
1	Market Assessment	29.26 days	Wed 21-03-31	Tue 21-05-11		\$32,844.00	25.5 days	\$37,452.80
2	Evaluate market	6.69 days	Wed 21-03-31	Thu 21-04-08	Kurt Zollinger,Yukio Ashida	\$7,728.00	6 days	\$8,563.20
3	Develop Business opportunity	8.06 days	Thu 21-04-08	Tue 21-04-20	Kurt Zollinger,Yukio Ashida	\$9,016.00	7 days	\$10,316.80
4	Customer preference study	12.13 days	Tue 21-04-20	Fri 21-05-07	Kurt Zollinger,Yukio Ashida	\$13,524.00	10.5 days	\$15,526.40
5	Business evaluation (NPV, etc.)	2.38 days	Fri 21-05-07	Tue 21-05-11	Kurt Zollinger,Yukio Ashida	\$2,576.00	2 days	\$3,046.40
6	Procurement	85.58 days	Wed 21-09-01	Wed 21-12-29		\$14,200.00	65.63 days	\$17,978.32
7	Identify vendors	4.5 days	Wed 21-09-01	Tue 21-09-07	George Olmos,Norman Micheal	\$2,800.00	7 days	\$3,528.00
8	Develop and Issue RFQ	3.88 days	Wed 21-09-01	Wed 21-09-15	George Olmos,Norman Micheal	\$2,400.00	6 days	\$3,041.92
9	Issue sample (production equivalent)	7.5 days	Tue 21-09-21	Fri 21-10-01	Jovanna Soto	\$3,000.00	5 days	\$4,500.00
10	Assess RFQ responses and select vendors	6.06 days	Tue 21-12-21	Wed 21-12-29	Jovanna Soto,Tom Bechur	\$6,000.00	10 days	\$6,908.40
11	Supplier Quality	57.14 days	Fri 21-10-01	Tue 21-12-21		\$16,960.00	38 days	\$22,828.20
12	Perform supplier process capability	17.13 days	Fri 21-10-01	Tue 21-10-26	Tom Bechur	\$6,608.00	7 days	\$9,250.20
13	Approve sample parts	10.13 days	Wed 21-10-27	Wed 21-11-10	Jovanna Soto	\$4,352.00	8 days	\$6,078.00
14	Qualify Supplier	12.5 days	Fri 21-12-03	Tue 21-12-21	Jovanna Soto	\$6,000.00	10 days	\$7,500.00
15	Design	54.89 days	Tue 21-05-11	Tue 21-07-27		\$22,344.00	46.5 days	\$34,021.68
16	Design and development plan	3.88 days	Tue 21-05-11	Mon 21-05-17	Kelly Sauseda,Lance Portier	\$2,352.00	3 days	\$3,585.12
17	Design specs.	13.75 days	Mon 21-05-17	Fri 21-06-04	Kelly Sauseda,Lance Portier	\$8,624.00	11 days	\$12,705.00
18	Identify testing requirements	6.25 days	Fri 21-06-04	Mon 21-06-14	Kelly Sauseda,Lance Portier	\$3,920.00	5 days	\$5,775.00
19	Risk analysis	7.06 days	Mon 21-06-14	Wed 21-06-23	Kelly Sauseda,Lance Portier	\$3,920.00	5 days	\$6,523.44
20	Design labeling	3.25 days	Mon 21-07-19	Thu 21-07-22	Kelly Sauseda,Lance Portier	\$1,960.00	2.5 days	\$3,003.00
21	Approve design	2.63 days	Thu 21-07-22	Tue 21-07-27	Kelly Sauseda,Lance Portier	\$1,568.00	2 days	\$2,430.12
22	Engineering	101.02 days	Tue 21-07-27	Wed 21-12-15		\$31,228.00	72.63 days	\$38,626.64
23	Initial engineering specs.	2.88 days	Tue 21-07-27	Fri 21-07-30	Tom Bechur,Darryl Sandefur	\$2,460.00	2.5 days	\$2,828.16
24	Design verification activities	4.19 days	Mon 21-08-09	Fri 21-08-13	Tom Bechur,Darryl Sandefur	\$3,444.00	3.5 days	\$4,114.58
25	Verification design review	2.31 days	Fri 21-08-13	Tue 21-08-17	Tom Bechur,Darryl Sandefur	\$1,968.00	2 days	\$2,268.42
26	Release pre-production specifications	6 days	Tue 21-08-17	Wed 21-08-25	Tom Bechur,Darryl Sandefur	\$4,920.00	5 days	\$5,892.00
27	Build functional model	11.25 days	Wed 21-09-01	Thu 21-09-16	Tom Bechur,Darryl Sandefur	\$8,856.00	9 days	\$11,047.50
28	Design validation activities	3.06 days	Tue 21-10-26	Tue 21-11-16	Darryl Sandefur,Jovanna Soto	\$2,200.00	5 days	\$3,188.52
29	Validation design review	4.75 days	Fri 21-11-19	Thu 21-11-25	Tom Bechur	\$1,968.00	2 days	\$2,565.00
30	Approve model design	5.13 days	Thu 21-11-25	Fri 21-12-03	Darryl Sandefur	\$1,968.00	2 days	\$2,267.46
31	Design transfer activities	8.25 days	Fri 21-12-03	Wed 21-12-15	Tom Bechur	\$3,444.00	3.5 days	\$4,455.00
32	Engineering Quality	78.65 days	Wed 21-09-01	Mon 21-12-20		\$21,472.00	53.63 days	\$26,158.40
33	Evaluate design specifications	14.88 days	Wed 21-09-01	Tue 21-09-21	Jovanna Soto	\$6,000.00	10 days	\$8,928.00
34	Develop testing protocol for prototype	10.25 days	Tue 21-09-21	Wed 21-10-06	Darryl Sandefur	\$3,520.00	8 days	\$4,530.50
35	Test prototype	12.75 days	Tue 21-10-26	Fri 21-11-12	Darryl Sandefur	\$6,000.00	10 days	\$5,635.50
36	Evaluate results of tests and identify weaknesses	7.38 days	Fri 21-11-19	Tue 21-11-30	Jovanna Soto	\$3,600.00	6 days	\$4,428.00
37	Product release meetings	3.38 days	Wed 21-12-15	Mon 21-12-20	Yukio Ashida	\$2,352.00	3 days	\$2,636.40
38	Manufacturing	68.52 days	Tue 21-10-26	Mon 22-01-31		\$22,600.00	66.5 days	\$35,153.32
39	Process engineering plan	17.63 days	Tue 21-10-26	Fri 21-11-19	Tom Bechur	\$6,000.00	15 days	\$9,520.20
40	Develop production plan	8.25 days	Fri 21-12-03	Wed 21-12-15	Darryl Sandefur	\$2,400.00	6 days	\$3,646.50
41	Develop production control plan	11.13 days	Tue 21-12-21	Wed 22-01-05	Darryl Sandefur	\$3,400.00	8.5 days	\$4,919.46
42	Approve production parts	3.31 days	Wed 22-01-05	Mon 22-01-10	Darryl Sandefur,Tom Bechur	\$2,000.00	5 days	\$3,250.42
43	Contracting for deliveries	5.13 days	Mon 22-01-10	Tue 22-01-18	Darryl Sandefur,Tom Bechur	\$3,200.00	8 days	\$5,037.66
44	Submit production purchase order	1.31 days	Tue 22-01-18	Wed 22-01-19	Darryl Sandefur,Tom Bechur	\$800.00	2 days	\$1,286.42
45	Production pilot test	3.19 days	Wed 22-01-19	Mon 22-01-24	Tom Bechur,Darryl Sandefur	\$2,000.00	5 days	\$3,132.58
46	Debugging production system	2.44 days	Mon 22-01-24	Thu 22-01-27	Darryl Sandefur,Tom Bechur	\$1,600.00	4 days	\$2,396.08
47	Production release	2 days	Thu 22-01-27	Mon 22-01-31	Darryl Sandefur,Tom Bechur	\$1,200.00	3 days	\$1,964.00
48	Commercialization	194.49 days	Tue 21-05-11	Mon 22-02-07		\$49,784.00	164.13 days	\$56,487.80
49	Develop preliminary marketing plan	2.81 days	Tue 21-05-11	Fri 21-05-14	Kurt Zollinger,Yukio Ashida	\$3,220.00	2.5 days	\$3,596.80
50	Develop marketing program	8.44 days	Fri 21-05-14	Wed 21-05-26	Kurt Zollinger,Yukio Ashida	\$9,660.00	7.5 days	\$10,803.20
51	Train sales team	24.88 days	Fri 21-06-04	Thu 21-07-08	Kurt Zollinger	\$11,088.00	22 days	\$12,440.00
52	Advertising campaign	31.38 days	Fri 21-06-04	Mon 21-07-19	Yukio Ashida	\$21,952.00	28 days	\$24,476.40

ID	Task Name	Duration	Start	Finish	Resource Names	Baseline Cost	Baseline Estimated Duration	Actual Cost
53	Show functional model at trade show	3.25 days	Mon 21-11-01	Thu 21-11-04	Yukio Ashida	\$2,352.00	3 days	\$2,535.00
54	Product launch	3.38 days	Wed 22-02-02	Mon 22-02-07	Yukio Ashida	\$1,512.00	3 days	\$2,636.40
55	Project Management	220.37 days	Wed 21-03-31	Wed 22-02-02		\$83,236.00	182.63 days	\$110,998.50
56	Project Management Period 1	18.06 days	Wed 21-03-31	Mon 21-04-26	Tom Bechur,Darryl Sandefur	\$12,300.00	12.5 days	\$17,734.92
57	Project Management Period 2	10.06 days	Tue 21-05-11	Tue 21-05-25	Tom Bechur,Darryl Sandefur	\$6,888.00	7 days	\$9,878.92
58	Project Management Period 3	10.13 days	Fri 21-06-04	Fri 21-06-18	Tom Bechur,Darryl Sandefur	\$6,888.00	7 days	\$9,947.66
59	Project Management Period 4	14.63 days	Mon 21-07-19	Mon 21-08-09	Yukio Ashida	\$10,192.00	13 days	\$11,411.40
60	Project Management Period 5	17 days	Mon 21-08-09	Wed 21-09-01	Yukio Ashida	\$11,760.00	15 days	\$13,260.00
61	Project Management Period 6	10.25 days	Wed 21-09-01	Wed 21-09-15	Yukio Ashida	\$7,056.00	9 days	\$7,995.00
62	Project Management Period 7	12.5 days	Tue 21-09-21	Fri 21-10-08	Yukio Ashida	\$8,624.00	11 days	\$9,750.00
63	Project Management Period 8	3.38 days	Tue 21-10-26	Fri 21-10-29	Yukio Ashida	\$2,352.00	3 days	\$2,636.40
64	Project Management Period 9	4.63 days	Fri 21-11-19	Thu 21-11-25	Yukio Ashida	\$3,136.00	4 days	\$3,611.40
65	Project Management Period 10	5.63 days	Fri 21-12-03	Fri 21-12-10	Yukio Ashida	\$3,920.00	5 days	\$4,391.40
66	Project Management Period 11	14.75 days	Tue 21-12-21	Tue 22-01-11	Yukio Ashida	\$5,720.00	13 days	\$11,505.00
67	Project Management Period 12	11.38 days	Tue 22-01-18	Wed 22-02-02	Yukio Ashida	\$4,400.00	10 days	\$8,876.40
68	Milestones	194.49 days	Tue 21-05-11	Mon 22-02-07		\$0.00	164.13 days	\$15,421.75
69	Milestone 1	0 days	Tue 21-05-11	Tue 21-05-11	Period 1 Managerial Action Cos	\$0.00	0 days	\$40.00
70	Milestone 2	0 days	Fri 21-06-04	Fri 21-06-04	Period 2 Managerial Action Cos	\$0.00	0 days	\$360.00
71	Milestone 3	0 days	Mon 21-07-19	Mon 21-07-19	Period 3 Managerial Action Cos	\$0.00	0 days	\$60.00
72	Milestone 4	0 days	Mon 21-08-09	Mon 21-08-09	Period 4 Managerial Action Cos	\$0.00	0 days	\$663.75
73	Milestone 5	0 days	Wed 21-09-01	Wed 21-09-01	Period 5 Managerial Action Cos	\$0.00	0 days	\$4,851.00
74	Milestone 6	0 days	Tue 21-09-21	Tue 21-09-21	Period 6 Managerial Action Cos	\$0.00	0 days	\$4,638.00
75	Milestone 7	0 days	Tue 21-10-26	Tue 21-10-26	Period 7 Managerial Action Cos	\$0.00	0 days	\$4,449.00
76	Milestone 8	0 days	Fri 21-11-19	Fri 21-11-19	Period 8 Managerial Action Cos	\$0.00	0 days	\$40.00
77	Milestone 9	0 days	Fri 21-12-03	Fri 21-12-03	Period 9 Managerial Action Cos	\$0.00	0 days	\$240.00
78	Milestone 10	0 days	Tue 21-12-21	Tue 21-12-21	Period 10 Managerial Action Co	\$0.00	0 days	\$40.00
79	Milestone 11	0 days	Tue 22-01-18	Tue 22-01-18	Period 11 Managerial Action Co	\$0.00	0 days	\$40.00
80	Milestone 12	0 days	Mon 22-02-07	Mon 22-02-07	Period 12 Managerial Action Co	\$0.00	0 days	\$0.00