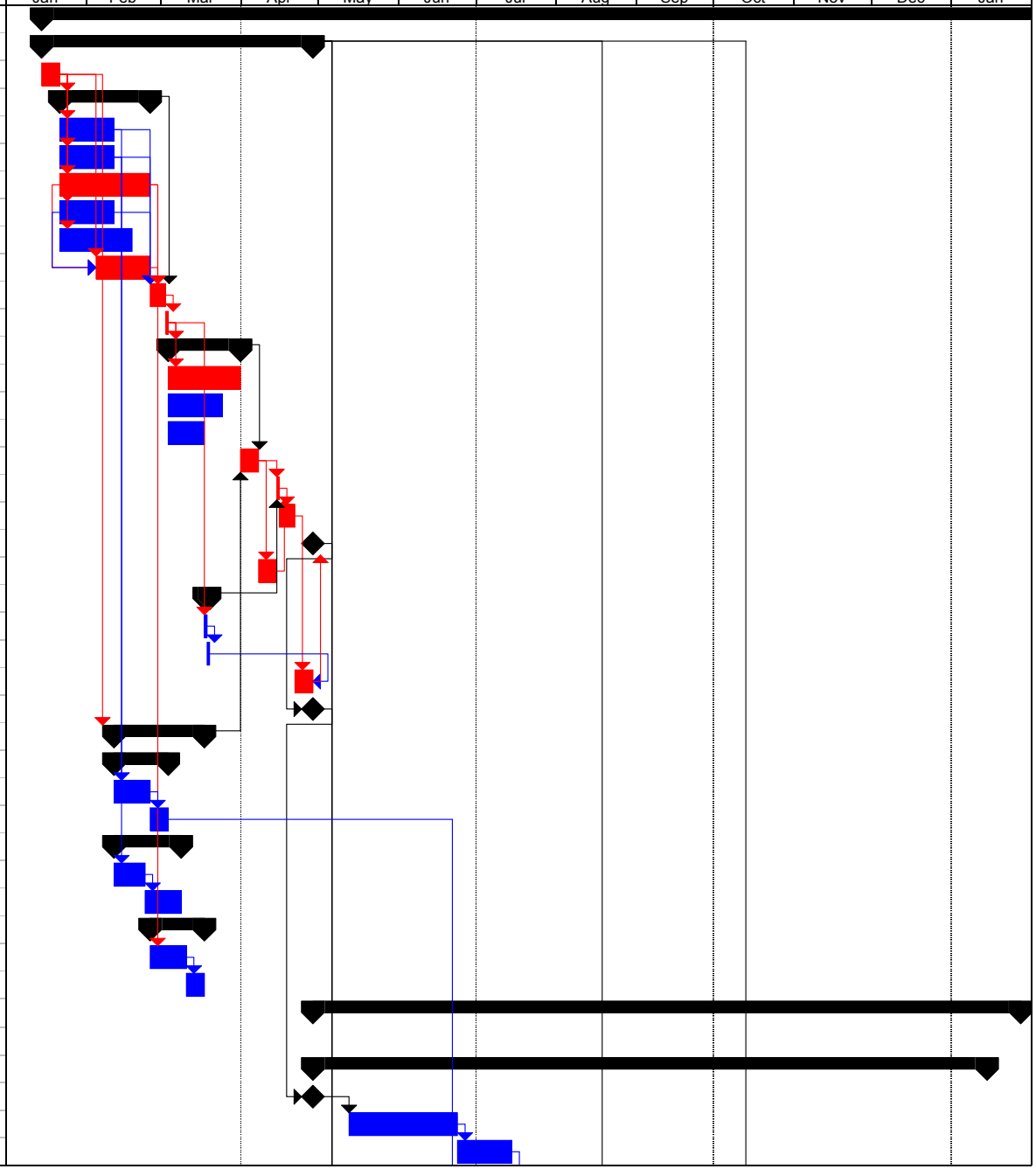
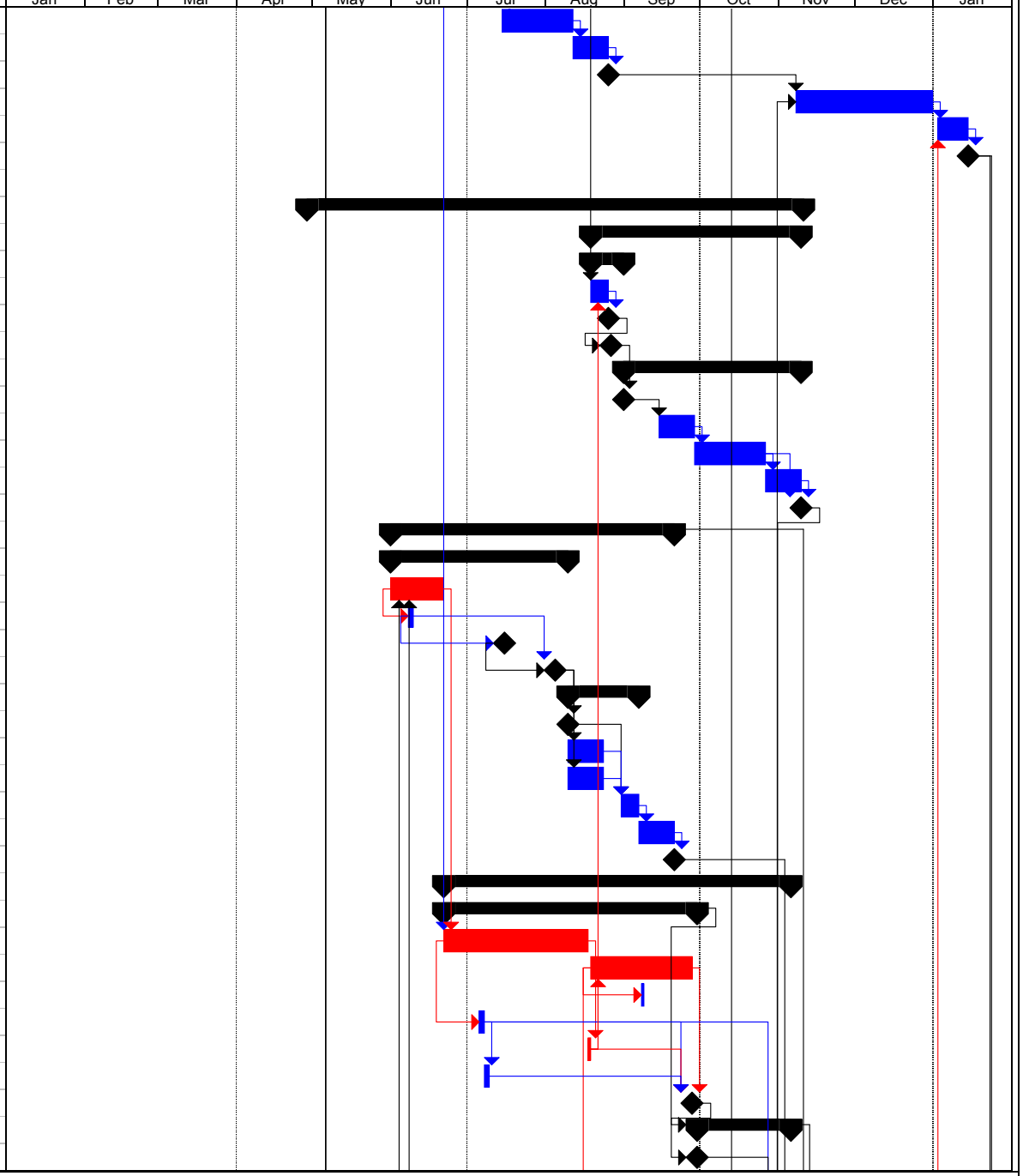
This is only a partial excerpt. The full 6-page file contains engineering activities for hardware and software design, prototyping, and integration, as well as cross-functional activities such as user manual and training development. You can download the complete file from http://www.projectconnections.com/knowhow/templates/wbs-electromechanical-systems-project.html with a ProjectConnections registration.

ID	Task Name
1	**Project Name**
2	**PHASE 1**
3	Initial Vision draft- prep and team kickoff meeting
4	**High level requirements and design work**
5	Subsystem 1 alternatives
6	Subsystem 2
7	Subsystem 3
8	Subsystem 4
9	Subsystem 5
10	Overall layout
11	PDR (Preliminary Design Review) prep
12	PDR 1 meeting
13	**Next iteration high level design work**
14	Subsystem 1
15	Subsystem 2
16	Subsystem 3
17	PDR2 prep
18	PDR2 meeting
19	**Final design and tradeoff work**
20	**Vision document finalized**
21	Final design and tradeoff work
22	**Safety Certification Early Kickoff**
23	Kick-off meeting UL Rep.
24	Investigate CE certification procedure
25	**Phase 1 planning deliverables completion**
26	**Phase 1 complete**
27	**Chicken (Risky Innovations) Testing**
28	**Subsystem 1 early proto testing**
29	Subsystem 1 proto Build
30	Subsystem 1 proto Test
31	**Subsystem 2 early proto testing**
32	Subsystem 2 prototype build
33	Subsystem 2 drum test
34	**Subsystem 3 early proto testing**
35	Subsystem 3 Build
36	Subsystem 3 Test
37	**PHASE 2**
38	
39	**Early User Manual Planning and Drafting**
40	Identify user manual creation resources
41	Interview outside tech pubs contractors
42	Hire outside tech pubs contractors



ID	Task Name
43	Create outlines all manuals
44	Review and update outlines
45	User manual design complete
46	Write draft chapters
47	Review and revise chapters based on FDR
48	Draft user manual chapters ready for Alpha
49	
50	**Subsystem Detailed Design and Proto**
51	**Control Software**
52	**Detailed Design control software**
53	Design/Detail control software
54	DDR control software
55	Update Control software design
56	**Code/ Test control software**
57	Code user interfaces
58	Code diagnostics
59	Code sync algorithm
60	Test control software
61	Control software ready for integration
62	**Main Frame**
63	**Detailed Design Main Frame**
64	Design / Detail Main Frame
65	Draft assy instructions Main Frame
66	DDR Main Frame
67	Release frame
68	**Procure/prototype main frame**
69	Procure main frame proto
70	Machine other parts
71	Draft assy drawings
72	Assemble proto main frame
73	Machining updates and release
74	Main frame proto ready for integration
75	**Detail Design/Proto Subsystem 1**
76	**Detailed design Subsystem 1**
77	Design Subsystem 1
78	Detail design update Subsystem 1
79	Final DDR Subsystem 1
80	Draft Assembly Instr Subsystem 1
81	Mid-course DDR (Detailed design review)
82	Identify UL / CE issues
83	Release subsystem 1
84	**Procure/prototype Subsystem 1**
85	Procure subsystem 1



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