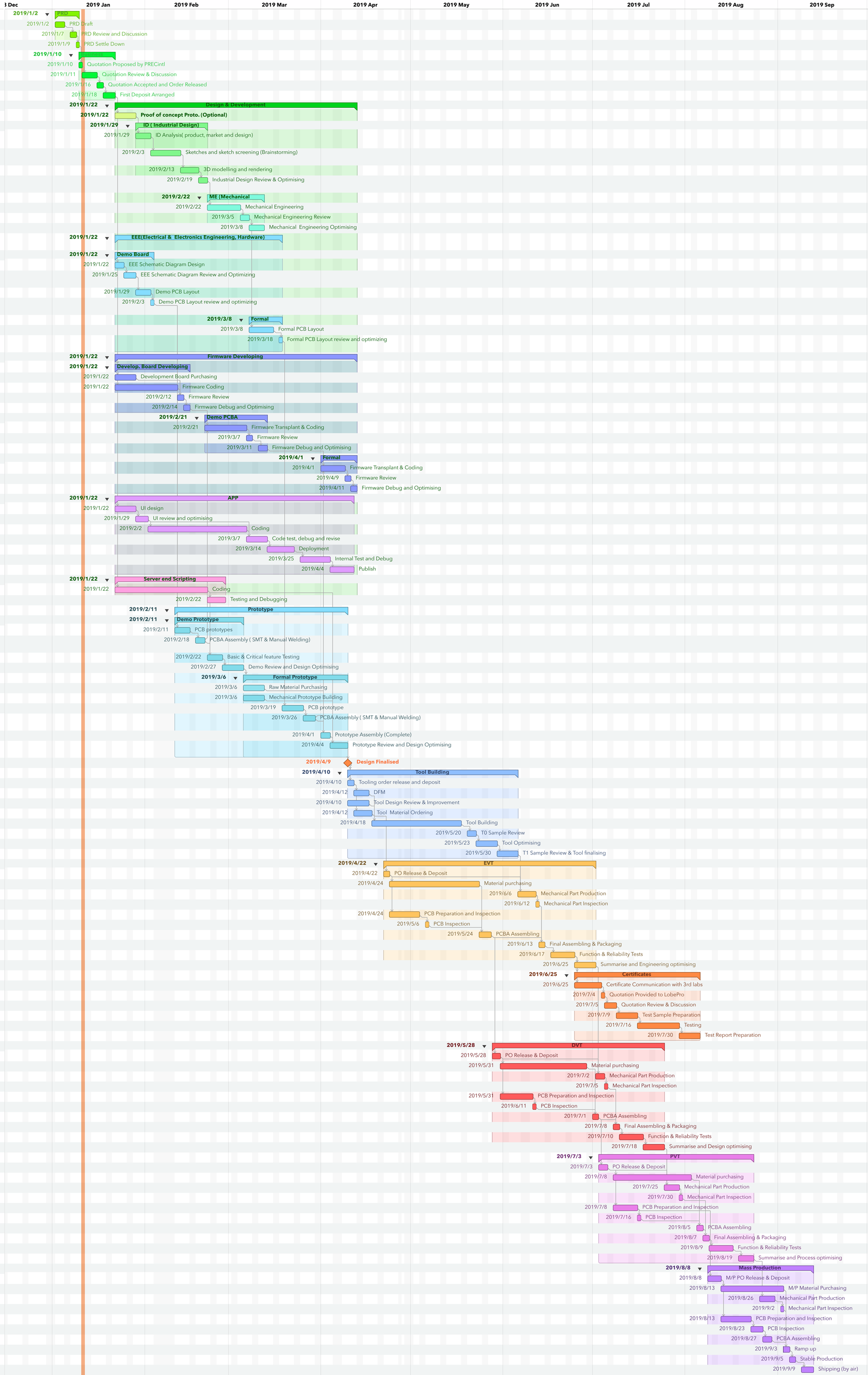Title	Duration	Start	End
1) PRD (Product Requirements Document)	**6d**	**2019/1/2**	**2019/1/9**
1.1) PRD Draft	3d	2019/1/2	2019/1/4
1.2) PRD Review and Discussion	2d	2019/1/7	2019/1/8
1.3) PRD Settle Down	1d	2019/1/9	2019/1/9
2) Business Agreement	**8d**	**2019/1/10**	**2019/1/21**
2.1) Quotation Proposed by PRECintl	1d	2019/1/10	2019/1/10
2.2) Quotation Review & Discussion	3d	2019/1/11	2019/1/15
2.3) Quotation Accepted and Order Released	2d	2019/1/16	2019/1/17
2.4) First Deposit Arranged	2d	2019/1/18	2019/1/21
3) Design & Development	**55.25d**	**2019/1/22**	**2019/4/12**
3.1) Proof of concept Proto. (Optional)	**5d**	**2019/1/22**	**2019/1/28**
3.2) ID (Industrial Design)	**15.25d**	**2019/1/29**	**2019/2/21**
3.2.1) ID Analysis(product, market and design)	5d	2019/1/29	2019/2/2
3.2.2) Sketches and sketch screening (Brainstorming)	3d	2019/2/3	2019/2/12
3.2.3) 3D modelling and rendering	4d	2019/2/13	2019/2/18
3.2.4) Industrial Design Review & Optimising	3d	2019/2/19	2019/2/21
3.3) ME (Mechanical Engineering)	**13d**	**2019/2/22**	**2019/3/12**
3.3.1) Mechanical Engineering	7d	2019/2/22	2019/3/4
3.3.2) Mechanical Engineering Review	3d	2019/3/5	2019/3/7
3.3.3) Mechanical Engineering Optimising	3d	2019/3/8	2019/3/12
3.4) EEE(Electrical & Electronics Engineering, Hardware)	**37.25d**	**2019/1/22**	**2019/3/18**
3.4.1) Demo Board Design	**11.25d**	**2019/1/22**	**2019/2/3**
3.4.1.1) EEE Schematic Diagram Design	3d	2019/1/22	2019/1/24
3.4.1.2) EEE Schematic Diagram Review and Optimizing	2d	2019/1/25	2019/1/28
3.4.1.3) Demo PCB Layout	5d	2019/1/29	2019/2/2
3.4.1.4) Demo PCB Layout review and optimizing	1.125d	2019/2/3	2019/2/3
3.4.2) Formal Board Design	**7d**	**2019/3/8**	**2019/3/18**
3.4.2.1) Formal PCB Layout	6d	2019/3/8	2019/3/15
3.4.2.2) Formal PCB Layout review and optimizing	1d	2019/3/18	2019/3/18
3.5) Firmware Developing	**55.25d**	**2019/1/22**	**2019/4/12**
3.5.1) Develop. Board Developing	**16.25d**	**2019/1/22**	**2019/2/15**
3.5.1.1) Development Board Purchasing	5d	2019/1/22	2019/1/28
3.5.1.2) Firmware Coding	12.25d	2019/1/22	2019/2/11
3.5.1.3) Firmware Review	2d	2019/2/12	2019/2/13
3.5.1.4) Firmware Debug and Optimising	2d	2019/2/14	2019/2/15
3.5.2) Demo PCBA Developing	**15d**	**2019/2/21**	**2019/3/13**
3.5.2.1) Firmware Transplant & Coding	10d	2019/2/21	2019/3/6
3.5.2.2) Firmware Review	2d	2019/3/7	2019/3/8
3.5.2.3) Firmware Debug and Optimising	3d	2019/3/11	2019/3/13
3.5.3) Formal PCBA Developing	**9d**	**2019/4/1**	**2019/4/12**
3.5.3.1) Firmware Transplant & Coding	5d	2019/4/1	2019/4/8
3.5.3.2) Firmware Review	2d	2019/4/9	2019/4/10
3.5.3.3) Firmware Debug and Optimising	2d	2019/4/11	2019/4/12
3.6) APP	**54.25d**	**2019/1/22**	**2019/4/11**
3.6.1) UI design	5d	2019/1/22	2019/1/28
3.6.2) UI review and optimising	4d	2019/1/29	2019/2/1
3.6.3) Coding	20d	2019/2/2	2019/3/6
3.6.4) Code test, debug and revise	5d	2019/3/7	2019/3/13
3.6.5) Deployment	7d	2019/3/14	2019/3/22
3.6.6) Internal Test and Debug	8d	2019/3/25	2019/4/3
3.6.7) Publish	5d	2019/4/4	2019/4/11
3.7) Server end Scripting	**24.25d**	**2019/1/22**	**2019/2/27**
3.7.1) Coding	20d	2019/1/22	2019/2/21
3.7.2) Testing and Debugging	4d	2019/2/22	2019/2/27
4) Prototype	**41d**	**2019/2/11**	**2019/4/9**
4.1) Demo Prototype (Optional)	**17d**	**2019/2/11**	**2019/3/5**
4.1.1) PCB prototypes	5d	2019/2/11	2019/2/15
4.1.2) PCBA Assembly (SMT & Manual Welding)	3d	2019/2/18	2019/2/20
4.1.3) Basic & Critical feature Testing	3d	2019/2/22	2019/2/26
4.1.4) Demo Review and Design Optimising	5d	2019/2/27	2019/3/5
4.2) Formal Prototype	**24d**	**2019/3/6**	**2019/4/9**
4.2.1) Raw Material Purchasing	5d	2019/3/6	2019/3/12
4.2.2) Mechanical Prototype Building	5d	2019/3/6	2019/3/12
4.2.3) PCB prototype	5d	2019/3/19	2019/3/25
4.2.4) PCBA Assembly (SMT & Manual Welding)	4d	2019/3/26	2019/3/29
4.2.5) Prototype Assembly (Complete)	3d	2019/4/1	2019/4/3
4.2.6) Prototype Review and Design Optimising	3d	2019/4/4	2019/4/9
5) Design Finalised		**2019/4/9**	**2019/4/9**
6) Tool Building	**39.125d**	**2019/4/10**	**2019/6/5**
6.1) Tooling order release and deposit	2d	2019/4/10	2019/4/11
6.2) DFM	3d	2019/4/12	2019/4/16
6.3) Tool Design Review & Improvement	5d	2019/4/10	2019/4/16
6.4) Tool Material Ordering	4d	2019/4/12	2019/4/17
6.5) Tool Building	20d	2019/4/18	2019/5/17
6.6) T0 Sample Review	3d	2019/5/20	2019/5/22
6.7) Tool Optimising	5d	2019/5/23	2019/5/29
6.8) T1 Sample Review & Tool finalising	5d	2019/5/30	2019/6/5
7) EVT	**48.125d**	**2019/4/22**	**2019/7/1**
7.1) PO Release & Deposit	2d	2019/4/22	2019/4/23
7.2) Material purchasing	20d	2019/4/24	2019/5/23
7.3) Mechanical Part Production	3d	2019/6/6	2019/6/11
7.4) Mechanical Part Inspection	1d	2019/6/12	2019/6/12
7.5) PCB Preparation and Inspection	6d	2019/4/24	2019/5/3
7.6) PCB Inspection	1d	2019/5/6	2019/5/6
7.7) PCBA Assembling	2d	2019/5/24	2019/5/27
7.8) Final Assembling & Packaging	2d	2019/6/13	2019/6/14
7.9) Function & Reliability Tests	6d	2019/6/17	2019/6/24
7.10) Summarise and Engineering optimising	5d	2019/6/25	2019/7/1
8) Certificates	**30d**	**2019/6/25**	**2019/8/5**
8.1) Certificate Communication with 3rd labs	7d	2019/6/25	2019/7/3
8.2) Quotation Provided to LobePro	1d	2019/7/4	2019/7/4
8.3) Quotation Review & Discussion	2d	2019/7/5	2019/7/8
8.4) Test Sample Preparation	5d	2019/7/9	2019/7/15
8.5) Testing	10d	2019/7/16	2019/7/29
8.6) Test Report Preparation	5d	2019/7/30	2019/8/5
9) DVT	**40.562d**	**2019/5/28**	**2019/7/24**
9.1) PO Release & Deposit	2d	2019/5/28	2019/5/30
9.2) Material purchasing	20d	2019/5/31	2019/6/28
9.3) Mechanical Part Production	3d	2019/7/2	2019/7/4
9.4) Mechanical Part Inspection	1d	2019/7/5	2019/7/5
9.5) PCB Preparation and Inspection	6d	2019/5/31	2019/6/10
9.6) PCB Inspection	1d	2019/6/11	2019/6/11
9.7) PCBA Assembling	2d	2019/7/1	2019/7/2
9.8) Final Assembling & Packaging	2d	2019/7/8	2019/7/9
9.9) Function & Reliability Tests	6d	2019/7/10	2019/7/17
9.10) Summarise and Design optimising	5d	2019/7/18	2019/7/24
10) PVT	**37.875d**	**2019/7/3**	**2019/8/23**
10.1) PO Release & Deposit	2d	2019/7/3	2019/7/5
10.2) Material purchasing	20d	2019/7/8	2019/8/2
10.3) Mechanical Part Production	3d	2019/7/25	2019/7/29
10.4) Mechanical Part Inspection	1d	2019/7/30	2019/7/30
10.5) PCB Preparation and Inspection	6d	2019/7/8	2019/7/15
10.6) PCB Inspection	1d	2019/7/16	2019/7/16
10.7) PCBA Assembling	2d	2019/8/5	2019/8/6
10.8) Final Assembling & Packaging	2d	2019/8/7	2019/8/8
10.9) Function & Reliability Tests	6d	2019/8/9	2019/8/16
10.10) Summarise and Process optimising	5d	2019/8/19	2019/8/23
11) Mass Production	**25.438d**	**2019/8/8**	**2019/9/12**
11.1) M/P PO Release & Deposit	2d	2019/8/8	2019/8/12
11.2) M/P Material Purchasing	15d	2019/8/13	2019/9/2
11.3) Mechanical Part Production	5d	2019/8/26	2019/8/30
11.4) Mechanical Part Inspection	1d	2019/9/2	2019/9/2
11.5) PCB Preparation and Inspection	8d	2019/8/13	2019/8/22
11.6) PCB Inspection	2d	2019/8/23	2019/8/26
11.7) PCBA Assembling	3d	2019/8/27	2019/8/29
11.8) Ramp up	2d	2019/9/3	2019/9/4
11.9) Stable Production	2d	2019/9/5	2019/9/6
11.10) Shipping (by air)	4d	2019/9/9	2019/9/12