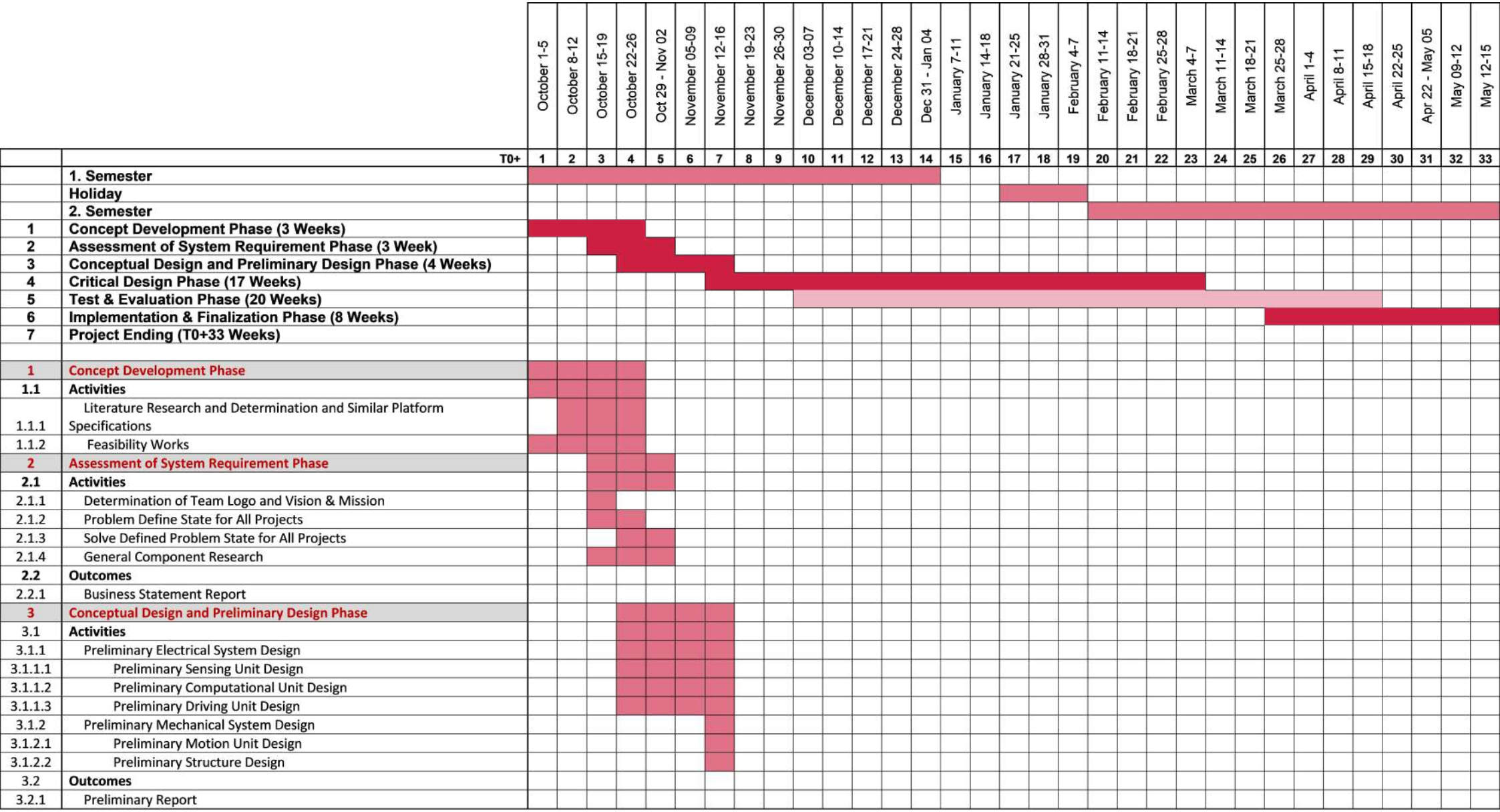

	T0+	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
	1. Semester																																	
	Holiday																																	
	2. Semester																																	
1	**Concept Development Phase (3 Weeks)**																																	
2	**Assessment of System Requirement Phase (3 Week)**																																	
3	**Conceptual Design and Preliminary Design Phase (4 Weeks)**																																	
4	**Critical Design Phase (17 Weeks)**																																	
5	**Test & Evaluation Phase (20 Weeks)**																																	
6	**Implementation & Finalization Phase (8 Weeks)**																																	
7	**Project Ending (T0+33 Weeks)**																																	
1	**Concept Development Phase**																																	
1.1	**Activities**																																	
1.1.1	Literature Research and Determination and Similar Platform Specifications																																	
1.1.2	Feasibility Works																																	
2	**Assessment of System Requirement Phase**																																	
2.1	**Activities**																																	
2.1.1	Determination of Team Logo and Vision & Mission																																	
2.1.2	Problem Define State for All Projects																																	
2.1.3	Solve Defined Problem State for All Projects																																	
2.1.4	General Component Research																																	
2.2	**Outcomes**																																	
2.2.1	Business Statement Report																																	
3	**Conceptual Design and Preliminary Design Phase**																																	
3.1	**Activities**																																	
3.1.1	Preliminary Electrical System Design																																	
3.1.1.1	Preliminary Sensing Unit Design																																	
3.1.1.2	Preliminary Computational Unit Design																																	
3.1.1.3	Preliminary Driving Unit Design																																	
3.1.2	Preliminary Mechanical System Design																																	
3.1.2.1	Preliminary Motion Unit Design																																	
3.1.2.2	Preliminary Structure Design																																	
3.2	**Outcomes**																																	
3.2.1	Preliminary Report																																	

		October 1-5	October 8-12	October 15-19	October 22-26	Oct 29 - Nov 02	November 05-09	November 12-16	November 19-23	November 26-30	December 03-07	December 10-14	December 17-21	December 24-28	Dec 31 - Jan 04	January 7-11	January 14-18	January 21-25	January 28-31	February 4-7	February 11-14	February 18-21	February 25-28	March 4-7	March 11-14	March 18-21	March 25-28	April 1-4	April 8-11	April 15-18	April 22-25	Apr 22 - May 05	May 09-12	May 12-15
	T0+	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**
4	**Critical Design Phase**																																	
4.1	**Subsystem Design Phase**																																	
4.1.1	Sensing System Desing																																	
4.1.1.1	Lane Detection Subsystem Design																																	
4.1.1.2	Vehicle Detection Subsystem Design																																	
4.1.2	Computation System Desing																																	
4.1.2.1	Data Proccesing Subsystem Design																																	
4.1.2.2	PID Controller Subsystem Design																																	
4.1.3	Communication System Design																																	
4.1.3.1	Internal Communication Subsystem Design																																	
4.1.3.2	External Communication Subsystem Design																																	
4.1.4	Driving System Design																																	
4.1.4.1	Direction Subsystem Design																																	
4.1.4.2	Speed Subsystem Design																																	
4.1.5	Structure System Design																																	
4.1.5.1	Chassis Subsystem Design																																	
4.1.5.2	PCB Subsystem Design																																	
4.1.6	Motion System Design																																	
4.1.6.1	Wheels Subsystem Design																																	
4.1.6.2	Motors Subsystem Design																																	
4.2	**Critical Design Outputs**																																	
4.2.1	Standards Report																																	
4.2.2	Module Test Demo																																	
4.2.3	Conceptual Design Report																																	
4.2.4	Presentations																																	
4.4.1	Critical Design Review Report																																	

		October 1-5	October 8-12	October 15-19	October 22-26	Oct 29 - Nov 02	November 05-09	November 12-16	November 19-23	November 26-30	December 03-07	December 10-14	December 17-21	December 24-28	Dec 31 - Jan 04	January 7-11	January 14-18	January 21-25	January 28-31	February 4-7	February 11-14	February 18-21	February 25-28	March 4-7	March 11-14	March 18-21	March 25-28	April 1-4	April 8-11	April 15-18	April 22-25	Apr 22 - May 05	May 09-12	May 12-15
5	**Test & Evalution Phase**																																	
5.1	**Subsystem Test Phase**																																	
5.1.1	Sensing System Testing																																	
5.1.1.1	Lane Detection Subsystem Testing																																	
5.1.1.2	Vehicle Detection Subsystem Testing																																	
5.1.2	Computation System Testing																																	
5.1.2.1	Data Proccesing Subsystem Testing																																	
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5.1.4	Driving System Testing																																	
5.1.4.1	Direction Subsystem Testing																																	
5.1.4.2	Speed Subsystem Design																																	
5.1.5	Structure System Testing																																	
5.1.5.1	Chassis Subsystem Testing																																	
5.1.5.2	PCB Subsystem Testing																																	
5.1.6	Motion System Testing																																	
5.1.6.1	Wheels Subsystem Testing																																	
5.1.6.2	Motors Subsystem Testing																																	
6	**Finalization Phase**																																	
6.1	**Activities**																																	
6.1.1	Finalization of the Vision Algorithm																																	
6.1.2	Finalization of the PID parameters																																	
6.1.3	Finalization of the Chassis																																	
6.1.4	Finalization of the Vehicle																																	
6.2	**Outcomes**																																	
6.2.1	Finalized Product																																	
6.2.2	Final Report																																	
6.2.3	Final Demo																																	
7	**Project Ending**																																	