				IPL V	Winner Pr	rediction using	Machine Lea	arning Project	Schedule							
	Project Start Date:	February 3, 2021 Professor Mehul Raval				1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
	Faculty:			Display Week:			2 Feb 2021	10 Feb 2021	17 Feb 2021	24 Feb 2021	3 Mar 2021	10 Mar 2021	17 Mar 2021	24 Mar 2021	31 Mar 2021	7 Apr 2021
Teaching Assistant:		Jay Patel, Arpit Patel					3 4 5 6 7 8 9	10 11 12 13 14 15 16 1	7 18 19 20 21 22 23	24 25 26 27 28 1 2	3 4 5 6 7 8 9	10 11 12 13 14 15 1	6 17 18 19 20 21 22 23	24 25 26 27 28 29 30	31 1 2 3 4 5 6	7 8 9 10 11 12 13
Task No [1]	Task Details [2]	Lead [3]	Start Date [4]	End Date [5]	Days [6]	Work Days [7]										
1	Literature review	Vardhan	Wed, Feb 03	Thu, Feb 04	2	2										
1.1	Exploring the field of Sports Analytics in Cricket using Machine Learning	Khushi	Wed, Feb 03	Thu, Feb 04	2	2										
2	Pre-preparation		Wed, Feb 03	Tue, Feb 09	7	5										
2.1	Problem Statement Selection: IPL, ODI, Test-match or T-20?	All	Wed, Feb 03	Thu, Feb 04	2	2										
2.2	Literature Review for the selected problem statement	Harsh	Thu, Feb 04	Tue, Feb 09	6	4										
2.3	Reproduction of Existing Literature Results: Websites, Research-Papers	Kalki , Khushi	Fri, Feb 05	Tue, Feb 09	5	3										
3	Building our Dataset		Tue, Feb 09	Fri, Feb 19	11	9										
3.1	Finalizing authenticated dataset	Harsh	Tue, Feb 09	Thu, Feb 18	10	8										
3.2	Scraping the dataset from ESPN and IPL website (ball-by-ball, match-wise data)	Harsh	Thu, Feb 18	Wed, Feb 24	7	5										
3.3	Dataset Cleaning	Kalki	Wed, Feb 24	Sat, Feb 27	4	3										
3.3.1	Dealing with null values	Vardhan	Wed, Feb 24	Thu, Feb 25	2	2										
3.3.2	Generalizing naming conventions of team-names, venues, etc	Harsh	Tue, Feb 23	Fri, Feb 26	4	4										
3.4	Merging datasets	Kalki	Fri, Feb 26	Mon, Mar 01	4	2										
	Adding column "team1_points", "team2_points" from the scraped	Vardhan	Fri, Feb 12	Fri, Feb 19	8	6										
3.4.1	data Adding column "homeground_advantage" according to the column "venue"	Khushi	Fri, Feb 12	Fri, Feb 19	8	6										
4	Data Analysis & Visualization		Sat, Feb 27	Thu, Mar 11	13	9										
4.1	Impact of venue	Kalki	Tue, Mar 02	Tue, Mar 09	8	6										
4.2	Impact of Toss winner	Khushi	Thu, Mar 04	Thu, Mar 11	8	6										
4.3	Impact of Toss decision	Vardhan	Wed, Mar 03	Wed, Mar 10	8	6										
4.4	Use of <b>multivariate regression</b> to calculate points of each team in the league by finding the coefficients	Kalki ,Khushi	Sat, Mar 06	Sun, Mar 14	9	5				_						
5	Building our Model		Tue, Mar 02	Thu, Apr 08	38	28										
5.1	Feature Engineering	harsh, Vardhan	Tue, Feb 23	Thu, Mar 04	10	8										
5.1.1	. Encoding	Harsh	Fri, Feb 26	Fri, Apr 02	36	26										
5.1.2	. Removing irrelavant features	Kalki	Fri, Feb 26	Thu, Mar 04	7	5										
5.1.3	. Adding new derived features	Khushi	Thu, Feb 25	Fri, Mar 05	9	7										
5.2	Feature Selection	Harsh Harsh	Sun, Mar 07	Fri, Mar 26	20 9	15										
5.2.1	. Pearson Correlation	Harsn Vardhan	Thu, Mar 04 Mon, Mar 15	Fri, Mar 12 Wed, Mar 24	10	7 8										
5.2.2 <b>5.3</b>	. Removing dependent features  Model Implementation	Vardhan Kalki	, -	Wed, Mar 17	9	7										
<b>5.3.</b> 1	Comparision of various models and its accuracy, selecting our model	Kalki,Khushi	Tue, Mar 09	Sat, Mar 20	12	9										
5.3.2	Implementing Logistic Regression	Harsh	Tue, Mar 16	Sat, Apr 10	26	19										
6	Documentation		Tue, Feb 02	Tue, Apr 13	71	51										
6.1	Weekly Reports	All	Wed, Feb 03	Tue, Apr 13	70	10										
6.2	2-page IEEE-style Report	All	Mon, Mar 15	Thu, Mar 18	4	4										
6.3	4-page IEEE-style Report	All	Sat, Apr 10	Sun, Apr 11	2	2										
6.4	Mid Semester Presentation	All	Mon, Mar 15	Thu, Mar 18	4	4										
6.5	End Semester Presentation	All	Fri, Apr 09	Sun, Apr 11	3	3										
6.6	Github Repository Maintainance	Vardhan	Fri, Apr 09	Sun, Apr 11	3	3										

Task Duration