


































Hazardous Asteroids Prediction

	At Risk	Task Name	Status	Due Date	Assigned To	Meeting Number
1		 Project group formation				
2		Project group formation	Complete	09/26/21		1
3		 Project statement selection				
4		Define Problem Definition	Complete	09/26/21	All	2
5		 Data proposal and outline				
6		Data proposal and outline	Complete	10/10/21	All	3
7		 Project plan and details				
8		List of project task and their details	Complete	11/07/21	All	4
9		 Data Preparation				
10		Upload Data to R programming	Complete	10/24/21	Sravani	
11		Change the column names	Complete	10/24/21	Sravani	
12		Check the data and look for all special cases(case sensitive, null)	Complete	10/27/21	Sravani	
13		Convert datetime columns to date format	Complete	10/27/21	Sravani	
14		 Data Wrangling				
15		Remove duplicates	Complete	10/31/21	Niveditha	
16		Check for null or 'NA' values and convert them	Complete	10/31/21	Niveditha	
17		Detect outliers and anomalies	Complete	11/04/21	Niveditha	
18		Selecting required columns for the model		11/08/21	Kajol	
19		 Data Exploration				
20		Generate summaries of the data		11/08/21	Kajol	
21		Find weak relations between predictors and response and remove which do not effect the response variable		11/08/21	Kajol	
22		Observe the relationship between each feature(linear)		11/08/21	Kajol	
23		 Data Visualization				
24		Graph - Bar charts, Line graph		11/11/21	Pooja	
25		Graph - Histograms and Correlation plots		11/11/21	Pooja	

	At Risk	Task Name	Status	Due Date	Assigned To	Meeting Number
26		Plot graph of different features and the outcome variable to observe the relationship between them		11/11/21	Pooja	
27		Building model - Logistic Regression				
28		Define train and test data		11/18/21	Surya	
29		Build the model		11/18/21	Surya	
30		Fit the model		11/18/21	Surya	
31		Optimize the model		11/18/21	Surya	
32		Evaluate the model		11/18/21	Surya	
33		Building model - Naive Bayes				
34		Define train and test data		11/18/21	Sravani	
35		Build the model		11/18/21	Sravani	
36		Fit the model		11/18/21	Sravani	
37		Optimize the model		11/18/21	Sravani	
38		Evaluate the model		11/18/21	Sravani	
39		Building model - Support Vector Machine				
40		Define train and test data		11/20/21	Niveditha	
41		Build the model		11/20/21	Niveditha	
42		Fit the model		11/20/21	Niveditha	
43		Optimize the model		11/20/21	Niveditha	
44		Evaluate the model		11/20/21	Niveditha	
45		Building model - Decision Tree				
46		Define train and test data		11/20/21	Kajol	
47		Build the model		11/20/21	Kajol	
48		Fit the model		11/20/21	Kajol	
49		Optimize the model		11/20/21	Kajol	
50		Evaluate the model		11/20/21	Kajol	
51		Building model - GBM				
52		Define train and test data		11/22/21	Pooja	
53		Build the model		11/22/21	Pooja	

	At Risk	Task Name	Status	Due Date	Assigned To	Meeting Number
54		Fit the model		11/22/21	Pooja	
55		Optimize the model		11/22/21	Pooja	
56		Evaluate the model		11/22/21	Pooja	
57		Evaluating the model				
58		Use K-fold for validation		11/24/21	Surya	
59		Find the best model among the above 5 models based on the results		11/24/21	Surya	
60		Review and Modifications				
61		Review the code and check if anything was missed or proper logic was used		11/24/21	All	
62		Do modifications if required		11/24/21	Surya	
63		Documentation				
64		Document the model		11/25/21	Pooja	
65		Project report				
66		Collect plots and performance metrics		11/26/21	Niveditha	
67		Project insights and issues faced		11/26/21	Kajol	
68		Model comparison results		11/26/21	Sravani	
69		Write the report		11/27/21	Surya	
70		Prepare proejct video				
71		Prepare a 10 mins video where each member will share their insights on the project tasks		11/29/21	All	
72		Project Presentation				
73		Final project presentation		12/01/21	All	