Explain your method that led to better accuracy, what ideas or observations helped you achieve

better accuracy on the dataset? (Submit by a .txt file or a .word file)

* First, I did some individual research which led me to understand the court better.
* To better understand the game and the importance of the positions I took a survey from people who have played and follow basketball to gain insights on what characteristic each player in the position should have.
* To help with the survey I provided them with the list of all the attributes and it helped me generalize the basic characteristic of each position a player can play.
* Moving ahead I implemented each of the models and tried to remove the maximum accuracy possible.
* I played with the attributes, found out that percentages maybe beneficial in some cases but not in all like say suppose 3 Point percentage if a player played 1 game and got a 3 pointer then his 3-point percentage would be 100%.
* I have not done any preprocessing for this model because I was getting a good accuracy without it.
* I tried to play with weighing each category of the position class, but then later realized that it may not be ideal assigning random values and trying to get a better confusion matrix and accuracy as it would cause overfitting.
* To conclude I tried to get the best feature sets but couldn’t get the percentage more than 53%.
* I have used a SVM Classifier with a linear kernel.