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| Name Of The Student | Vaishnavi G |
| Internship Project Topic | Build a Classification Model for Drug Trials Dataset |
| Name of the Organization | Accenture |
| Name of the Industry Mentor | Paranthaman (paranthaman.gp@accenture.com) |
| Name of the Institute | SRM Institute of Science and Technology |

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| Date | Day # | Hours Spent |
| 15/10/2022 | 4 | 3hours |
| Activities done during the day:  Learned about the abstract of the project in detail  For a pharmaceutical agency its very important to keep track of their drugs and their effectiveness and to tabulate all drugs that they have sold and account for each drug's effectiveness. This data has been collected over the years and it contains data points such as the drug's name, reviews by customers, popularity , use cases of the drug, and most importantly the side effects contributed by the drug. Numerous medicines that had already been approved for usage had to be taken off the market due to unforeseen side effects.  The objective of this project is to build a classification model that classifies the side effects of a particular drug by age, gender and race which will help to identify potential side effects and minimizing risks during the drug research process.  Drug data which was gathered by academics and compiled in open databases, computational approaches for side effect forecasting will be used to create a model that classifies the trial data of a drug based on their age, gender and race.  I.We will be utilizing a data set consisting of 4,00,000 patients containing the following details for each patient: Name, Age , Gender , Race , Side effects .  II.Clean and Sanitize the dataset .  III.Preprocess the data to perform data partitioning and handle missing values.  IV.Create training and testing sets.  V.Build a classifier and fit the data to the model.  VI.Check the accuracy of the model and measure its effectiveness.  Read through available drugs trial dataset : <https://www.fda.gov/drugs/information-consumers-and-patients-drugs/fdas-drug-review-process-ensuring-drugs-are-safe-and-effective> | | |