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| Internship Project Title | Rank Features of a Smartphone - Build a Python Application to Classify and Rank Dataset |
| Name of the Company | TCSiON |
| Name of the Industry Mentor | Debashis Roy |
| Name of the Institute | ICT ACADEMY KERALA |

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| Start Date | End Date | | Total Effort (hrs.) | | Project Environment | Tools used |
| 12/11/2022 | 12/12/2022 | | 125 | | Jupitor | Python |
| Milestone # | 1 | Milestone: | | Classify the dataset into software and hardware requests | | |

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**ACKNOWLEDGEMENTS**

I am conveying my sincere gratitude towards my industry mentor, Debashis Roy, and academic mentor for helping me throughout this project and providing me this wonderful platform to complete this project. I also want to thank all my friends who helped me with valuable suggestions during this project.

**OBJECTIVE**

The objective of this project is to Rank Features of a Smartphone - Build a Python Application to Classify and Rank Dataset.

**INTRODUCTION**

From the first 5 days of my project, I have collected the dataset,cleaned and sanitized the dataset. Classifed the dataset into hardware and software requests.

**INTERNSHIP ACTIVITIES**

* Watched the welcome kit videos.
* Done preparations for RIO – pre-assessment.
* Attended the RIO – pre-assessment test.
* Went through the day-wise plan.
* Read the project reference material.
* Read the industry project material.
* Watched webinar 1.
* Watched webinar 2.
* Watched webinar 3.
* Gone through all posts in the digital discussion room.
* I went through Machine learning videos in YouTube.
* Watched the lectures provided and other videos for further understanding.
* Searched for proper dataset for this project.
* Wrote daily activity reports.
* Checked and clarified the dataset whether it has enough data for the project.
* Read the dataset intpython environment.
* Cleaned the data set.
* Sanitized the data set.
* Done Exploratory Data Analysis(EDA)

**APPROACH / METHODOLOGY**

The approach I took for completing the 1st milestone is firstly understanding the concepts of the requirements. Reading articles and watching videos helped in gaining knowledge about the requirements. Jupitor notebook has been used for doing the programming.GitHub account has been used for publishing the codes.

**OUTCOME**

After the 1st milestone of this internship project, I have learned about new functions in python.I have classified datasets into hardware and software.

**LINK TO CODE AND EXECUTABLE FILE**