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**AMITY SCHOOL OF ENGINEERING & TECHNOLOGY**

**CORPORATE RESOURCE CENTRE**

**Synopsis of Summer Internship Project**

**All the students are required to provide the following information to Academic and CRC Department at the time of registration or within a week of joining their Summer Training in the industry.**

**Student’s Name:** Mrinal Jhamb **Enrol. No.:** A2305214017

**Programme:** B.Tech.(CSE+MBA) **Batch:** 2014-19

**Company’s Name and Address** APLC

**Industry Guide Name:** Dr. Mohit Kumar Goel

**Designation:** Data Scientist

**Contact Number: Ph. (O)**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(R)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mobile:** 9650433809

**Fax:**

**E-mail:** mkg.mohit@gmail.com

**Date of Birth (DD/MM/YY):** 25/07/1996

**Project Information:**

1. **Project Duration : (** 7 **Weeks)**
   1. **Date of Summer Internship commencement (**22**/**05**/ 18)**
   2. **Date of Summer Internship Competition (**30**/**06**/18)**

1. **Topic:** Data Science (Using R)
2. **Project Objective:** Analyse the data from HR department of certain company in order to forecast the attributes of people leaving the job.
3. **Methodology to be adopted:** I went through ISLR book, used online resources which included scholarly articles, tutorials and video lectures to under stand the basics of the language R and from there on I used R-studio to develop the project.

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3. **Brief Summary of the Project ( to be duly certified by the industry guide):** I did my internship under the guidance of Dr.Mohit Kumar Goel, PHD, EPFL, Switzerland. I did it in the field of data science. I was able to cover the basics of the above mentioned field in the allotted time. I was given tasks to be done on regular basis which I was able to complete in time with good understanding of them. My project during the course on internship was on the dataset of certain undisclosed company as provided by my industry guide. Fields that data had are:

* Employee satisfaction level
* Last evaluation
* Number of projects
* Average monthly hours
* Time spent at the company
* Whether they have had a work accident
* Whether they have had a promotion in the last 5 years
* Department
* Salary
* Whether the employee has left

I analyzed and built the classification model for the data to predict the characteristics of the people who left the job. While analyzing I plotted various plots and histograms in order to get the understanding of trend of attributes of people leaving the job. So that I can further use the understanding built to include the attributes in the model. I compared the test and train accuracy of models built to select the best out of the made.

Signature Signature Signature

(Student) (Industry Guide) (Faculty Guide)

**Note:** Please attach company profile and visiting card of industry guide

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