**PROJECT SYNOPSIS**

**Predicting Defaulter on Credit-Industry Data**

*Submitted towards the partial fulfillment of the criteria for award of Genpact Data Science Prodegree by Imarticus*

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*Course and Batch:*

*Data Science Prodegree - Online*

*DSP-28*

*January-2020*



**Scope & Objective**

**Scope**: The main goal of this Project is to use the data to build a model to predict default in the future. This will help the company in deciding whether or not to pass the loan.

**Objective**: - To build a data model to predict the probability of default, and choose a cut-off based on what you feel is suitable. Alternatively you can also use a modelling technique which gives binary output.

**Business Problem Statement**

This will help the company in deciding whether or not to pass the loan.

**Data Sources**

* Imarticus learning

**Analytics Tools**

* Python
* Jupyter Notebooks
* Scikit-learn
* Random Forest
* XGBoost

**Analytics Approach**

* Data Extraction and Cleaning
* Feature Engineering
* Exploratory Data Analysis
* Fitting Models to Data
* Conclusion