**PROJECT REPORT**

(Project Term AUG-NOV, 2018)

**ATM MANAGEMENT**

**Submitted By**

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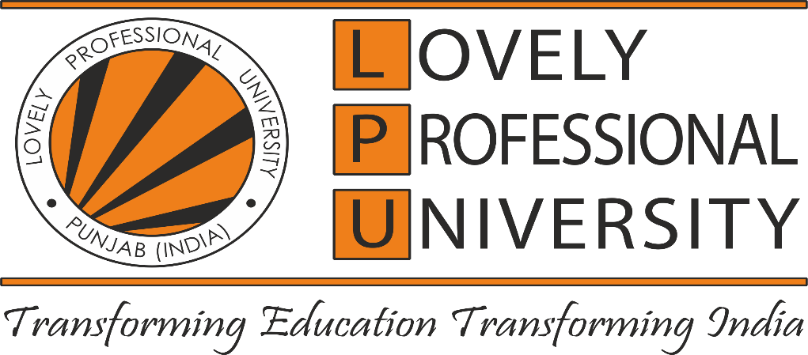
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**INTRODUCTION**

The project is – “ATM Management”. Yo­u're short on cash, so you walk over to the automated teller machine (**ATM**), insert your card into the card reader, respond to the prompts on the screen, and within a minute you walk away with your money and a receipt. These machines can now be found at most supermarkets, convenience stores and travel centers. Have you ever wondered about the process that makes your bank funds available to you at an ATM on the other side of the country?

ATM systems attempt to automate part or all of the machine learning pipeline, from data cleaning to feature .Extraction to model selection and tuning. ATM focuses on the last part of the machine-learning pipeline: model

Selection and hyper parameter tuning. Machine learning algorithms typically have a number of parameters (called hyper parameters) that must be chosen in order to define their behaviour. ATM performs an intelligent search over the space of classification algorithms and hyper parameters in order to find the best model for a given prediction problem. Essentially, you provide a dataset with features and labels, and ATM does the rest.

Nearly every part of ATM is configurable. For example, you can specify which machine-learning algorithms ATM should try, which metrics it computes (such as F1 score and ROC/AUC), and which method it uses to search through the space of hyperparameters (using another HDI Project library, BTB). You can also constrain ATM to find the best model within a limited amount of time or by training a limited amount of total models.

ATM can be used locally or on a cloud-computing cluster with AWS. Currently, ATM only works with classification problems, but the project is under active development. If you like the project and would like to help out, check out our guide to contributing!

**FEASIBILITY STUDY**

The main objective of feasibility study is to test the technical, social and economic feasibility of developing a system. This is done before developing a system. The assessment of this feasibility must be based on an outline design of the system requirement in terms of input, output, programs, procedure and staff. Having identified the outline of the system, the investigation must go on to suggest the type of equipment, required method of developing the system, and the method of running the system .This developing system must be justified by cost and benefit criteria to ensure that effort is concentrated on project which will give best return at the earliest. One of the factors which affect the development of a new system is the cost it would require. Since the system is developed as a part of our study, there is no manual cost to be spent for the proposed system.

**REQUIREMENT OF PROJECT**

**Hardware Requirements:**

* An INTEL Core 2 Duo CPU
* A RAM of 1 GB
* A Hard Disk of 4 GB
* A 105 keys keyboard
* A SVGA Color Display are required.

**Software Requirements:**

* A Front end- Python.
* Operating System – Windows XP, 7, 8, 10.

**BIBILOGRAPHY**

The matter contained in this project has been taken from the given links:-

https://www.smilesforlearning.org/python

https://www.tutorialspoint.com/python

[www.w3resource.com/**python**/**python**-tutorial.php](http://www.w3resource.com/python/python-tutorial.php)

**GAINT CHART**

|  |  |  |  |
| --- | --- | --- | --- |
| Work done | Task Start | Task finish | Done By |
| Frame 1 (Login Page) | 12 Oct | 25 Oct | Arun |
| Frame 2 (Two Buttons) | 14 Oct | 25 Oct | Meghana |
| Frame 2 ( Two Buttons) | 16 Oct | 25 Oct | Sujan |
| Frame 3 (Pin,Database) | 20 Oct | 25 Oct | Abhimanyu |