



**National University**  
of computer and emerging sciences

(KARACHI CAMPUS)  
Department of Computer Science  
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**[Project Proposal for Artificial Intelligence]**

**Project Title:**

# **ATM Cash Predictor**

**[To predict ATM withdrawal patterns in order to calculate the optimal sum currency to be made available thereof]**

**By:**

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## **PROJECT DESCRIPTION:**

One of the main challenges in today's banking industry is to forecast the cash demand of their ATM network. Each ATM must be filled with the right amount so that neither a customer's transaction is rejected because of out-of-cash status, nor the idle cash ruins the opportunity for the bank to earn profit on it. Keeping this problem in mind, we will design a project that can predict cash to be fill in the ATM for the next day on the basis of past history of ATMs.

## **Goals:**

Aim of our project is to predict ATM withdrawal patterns in order to calculate the optimal sum currency to be made available thereof

## **Frontend and Backend Technologies:**

The languages that we are going to use in the development of our website are:

For Backend: Python

For Frontend:

For Compiler we will prefer Jupyter Notebook or VSCode

## **Working Flow or Techniques:**

For Now we have decided to achieve Artificial Intelligence in our project through Machine Learning. Hence, we will use KNN classification for the prediction of cash because we can easily train and test our model in KNN.

Course Instructor: **Nimra Iqbal**

Signature: \_\_\_\_\_