CAPSTONE PROJECT AIDI 2005-02

PROJECT PLAN

SUBMITTED TO:

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**PROJECT NAME**: ARTIFICIAL INTELLIGENT LOGISTIC MANAGEMENT SYSTEM

**PROJECT DESCRIPTION**: THIS PRODUCT WORKS IN TWO WAYS (STORE OWNERS AND CUSTOMERS), THIS PROJECTS GOAL IS TO HAVE A MOBILE PHONE-BASED IMAGE CLASSIFICATION USING DEEP LEARNING. STORE MANAGERS USES THIS APPLICATION TO UPDATE THEIR STOCK INVENTORY BY TAKING A PICTURE EVERYTIME THEY WANT TO UPDATE A NEW PRODUCT, WHEN THEY TOOK THE PICTURE FROM OUR APP THE AI BEHIND THE APP WILL PROCESS THE IMAGE AND ADDS IN TO THE CLOUD BASED STRORE INVENTORY DATABASE, SIMULTANEOUSLY WHEN CUSTOMERS PICKING THEIR PRODUCTS THEY WILL TAKE A PICTURE AND THE AI BEHIND THE APP IS GOING TO RECOGNISE THE PRODUCT AND ADD THE PRODUCT TO THE CART AND ALSO REMOVES THE SAME PRODUCT FROM THE STORE’S PRODUCT INVENOTRY DATABASE AT THE SAME TIME. THIS GIVES THE BENEFIT OF EASY INVENTORY MANAGEMENT TO STORE OWNERS AS WELL AS EASY CHECKOUT FOR THE CUSTOMERS.

**VISUAL REPRESENTATION**:

UPDATED CHECKOUT

UPDATED DATABSE

NOW AI IN BACKGROUNG RECOGNISES THE PRODUCT AND SENT IT TO THE DATA BASE TO UPDATE

MANAGER OR CUSTOMER USES THE PHONE TO TAKE PICTURE OF THE PRODUCT TO ADD IT TO THEIR INVENTORY AND CHECKOUT FOR THE CUSTOMER

**WHERE IS AI IN THE SOLUTION**

THERE IS IMAGE CLASSIFICATION USING DEEP LEARNING. ONCE A IMAGE IS CAPTURED, ALGORITHM WILL CLASSIFY THE OBJECT AND UPDATE THE USER CART WITH QUANTITY BASED PRICE.

**WHAT IS BUSINESS BENEFIT**

THE QUANTITY GETS UPDATED IN OVERALL STOCK DATABASE OF BUSINESS OWNER. SO THE BUSINESS OWNER WILL TAKE CARE OF LOGISTICS WITH EASE.