TEXTILE MANAGEMENT SYSTEM

ITP2020_S2_05_G7

INTRODUCTION

- **INTRODUCE CLIENT**

Our client is owner of Dammika TEX.
It is unisex clothing and toys store located in Mirigama.

- **PROBLEM STATEMENT AND DIFFICULTIES, THEY FACE**

THEY KEEP ALL THEIR INFORMATION IN THE BOOKS. THEY ALSO ISSUE BILLS TO THEIR CUSTOMERS THROUGH BILL BOOKS.

WHEN THEY NEEDED TO FIND SOME INFORMATION, THEY HAD TO SPEND PLENTY OF TIME ON THE TURNING BOOKS AND RECORDING TRANSACTIONS.

SO, THERE WAS SOME DIFFICULTY IN THE DAY TO DAY ACTIVITIES.
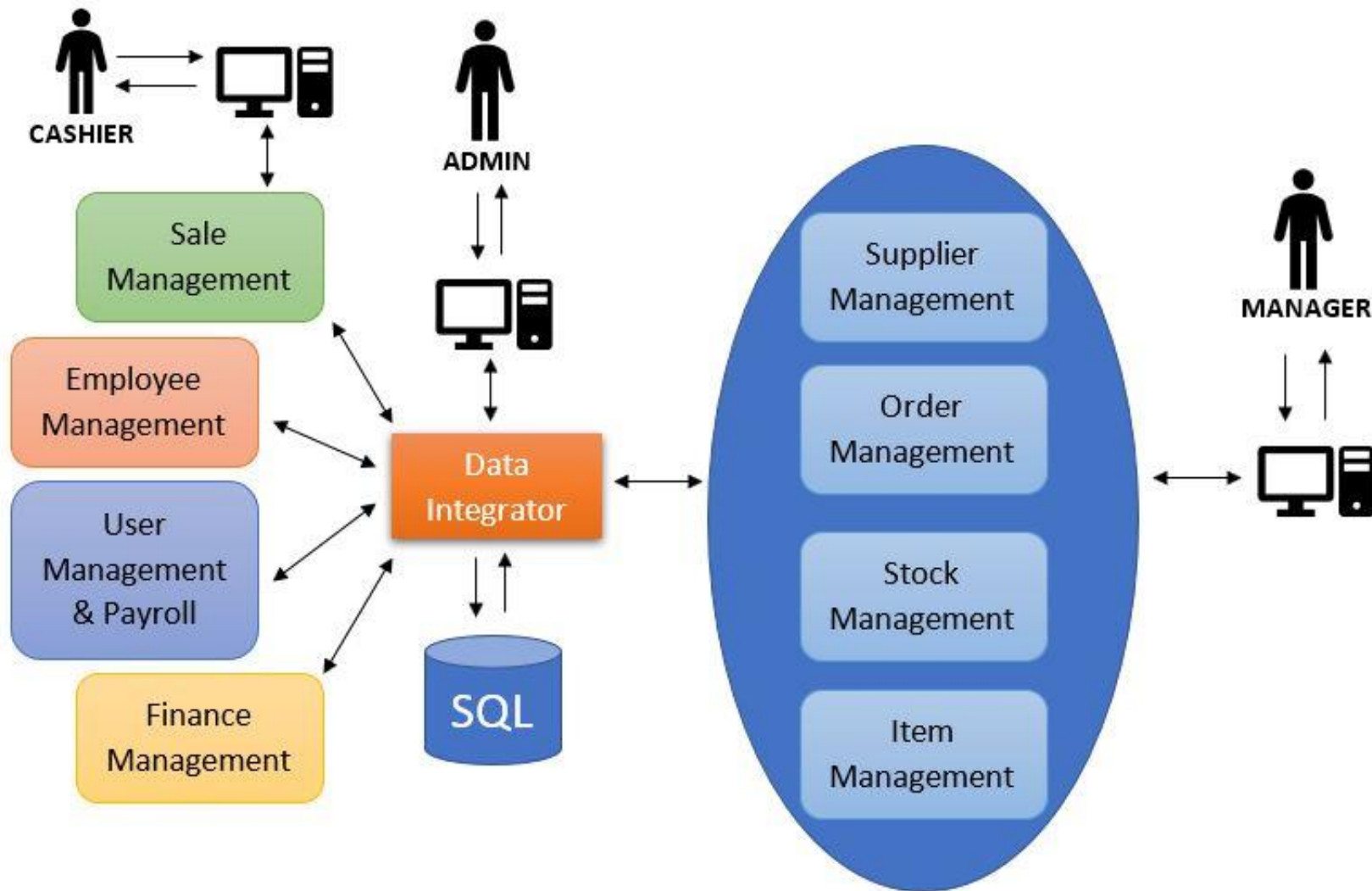
- **SOLUTION**

INTRODUCE TEXTILE MANAGEMENT SYSTEM

- **BENEFITS**

THIS SYSTEM MAKES THE DAY TO DAY OPERATIONS EASIER AND FASTER.

THEN SHOP MANAGEMENT BECOME EASY THAN BEFORE
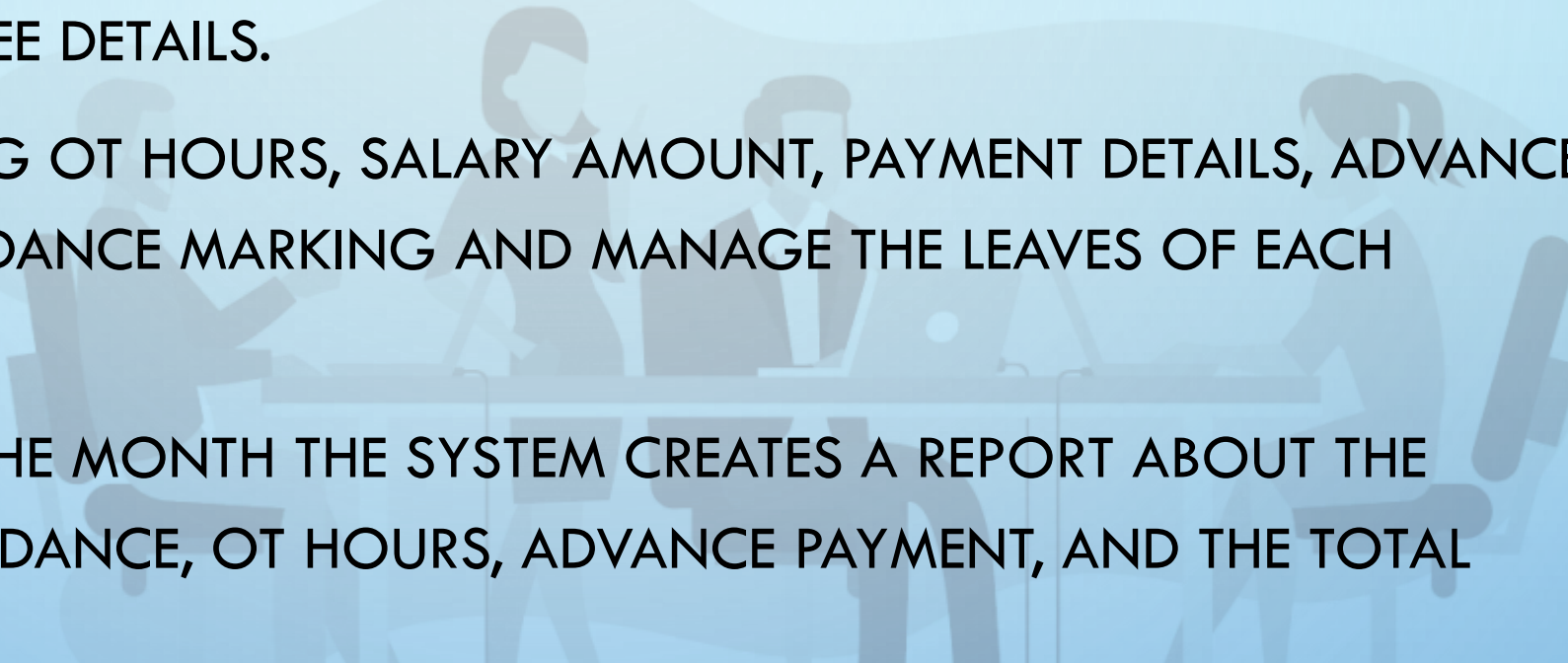
SYSTEM OVERVIEW

FUNCTIONS IN DETAIL

SALE MANAGEMENT

- CASHIER ENTER DETAILS OF CUSTOMER TO THE SYSTEM. CASHIER OR ADMIN CAN UPDATE, DELETE, SEARCH CUSTOMER DETAILS.

- CASHIER CAN ISSUE GIFT VOUCHERS TO THE CUSTOMER

- WHEN CUSTOMER PURCHASES ITEMS, SCAN ITEM BARCODE BY THE CASHIER AND GET DETAILS (NAME, ITEM CODE, PRICE) OF EACH ITEM.

- CASHIER CAN RESET OR CANCEL THAT BILL BEFORE FINALIZING.

- AFTER ALL, CALCULATE THE TOTAL BILL AND PRINT THE BILL.

- THE SYSTEM ALSO FACILITATES GENERATE REPORT OF SALE SUMMARY.

EMPLOYEE MANAGEMENT

- THIS FUNCTION INCLUDES INSERT EMPLOYEE DETAILS AND UPDATE, DELETE, SEARCH EMPLOYEE DETAILS.

- ALSO RECORDING OT HOURS, SALARY AMOUNT, PAYMENT DETAILS, ADVANCE PAYMENT, ATTENDANCE MARKING AND MANAGE THE LEAVES OF EACH EMPLOYEE.

- AT THE END OF THE MONTH THE SYSTEM CREATES A REPORT ABOUT THE EMPLOYEE ATTENDANCE, OT HOURS, ADVANCE PAYMENT, AND THE TOTAL SALARY.

STOCK MANAGEMENT

- THIS FUNCTION INCLUDES INSERTING STOCK DETAILS INTO THE SYSTEM

- IF SELLING SOMETHING, THEN STOCK DETAILS MUST BE UPDATED AUTOMATICALLY, AND IF RETURN GOODS TO SUPPLIER FOR ANY REASON THEN IT MUST BE UPDATE BY USER.

- THE USER CAN REMOVE THE SPECIE STOCK DETAILS FROM THE SYSTEM. BUT IT MUST HAVE A SPECIAL REASON.

- THE USER CAN SEARCH STOCK DETAILS OF EACH ITEM, FROM USING ITEM NAME OR CODE.

- AND THE END OF THE WEEK THE SYSTEM GENERATES THE REPORT
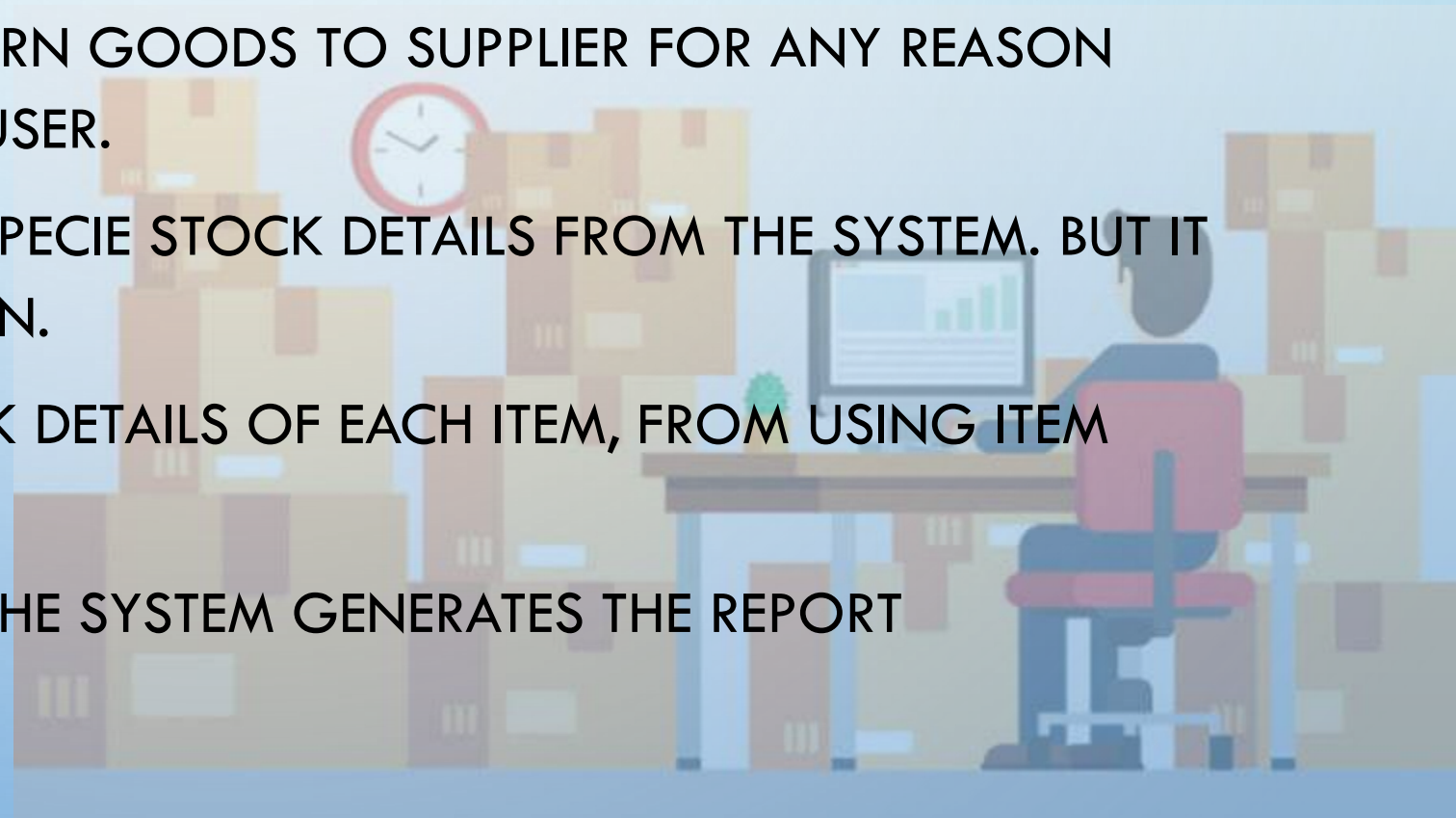
ITEM MANAGEMENT

- THIS FUNCTION INCLUDES INSERT NEW ITEM TO THE SYSTEM. AND GENERATE BARCODE FOR EACH ITEM.

- USER CAN UPDATE, DELETE, SEARCH ITEM DETAILS. AND TAG ITEMS TO RELEVANT CATEGORIES.

- THE SYSTEM ALSO FACILITATES GENERATE REPORT OF ITEM SUMMARY

USER MANAGEMENT & PAYROLL

- ADMIN CREATE USER ACCOUNT FOR EACH SYSTEM USERS (CASHIER, MANAGER, ETC.). ALSO, ADMIN SELECTS THE ROLE (CASHIER, MANAGER, ETC.) OF THE USER THEN ACCESS PERMISSION AUTOMATICALLY GRANTS TO THE USER ACCOUNTS ACCORDING TO THEIR JOB ROLL.

- ADMIN & RELEVANT USERS CAN UPDATE THEIR ACCOUNT DETAILS. ALSO ALLOWS USER TO CHANGE THEIR PASSWORD.

- ONLY ADMIN CAN DELETE USER ACCOUNT FROM THE SYSTEM.

- IN PAYROLL, ADMIN GET EMPLOYEES PAYMENT DETAILS FROM EMPLOYEE TABLE AND CALCULATE FINAL SALARY AND THEN AUTO GENERATE SALARY SHEET.
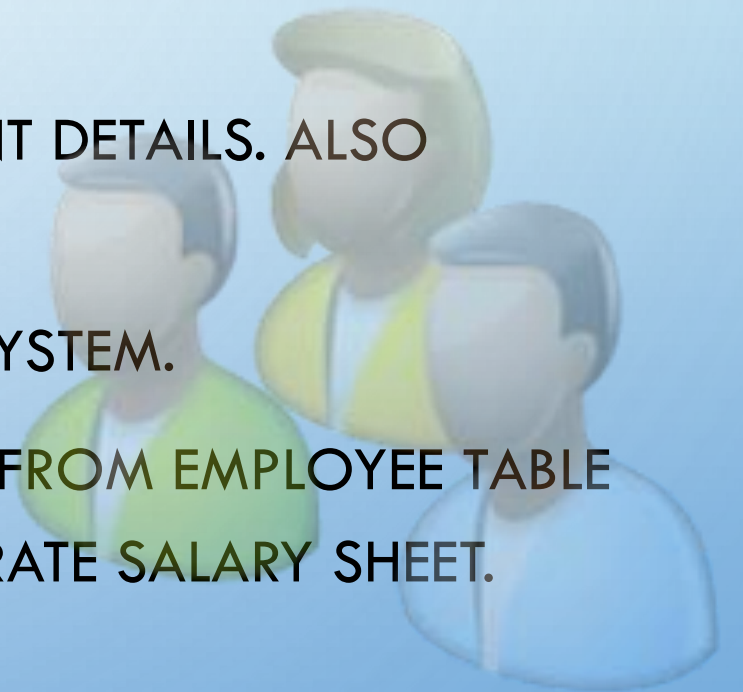
ORDER MANAGEMENT

- ORDER DETAILS (ITEM NAME, RATE, QUANTITY, ETC..) ENTER TO THE SYSTEM AND SELECT RELEVANT SUPPLIER THEN ORDERING EMAIL SEND TO THE SUPPLIER VIA SYSTEM.

- BECAUSE OF SPECIAL REASON USER(OWNER/MANAGER) CAN CANCEL AND UPDATE ORDER.

- THE SYSTEM ALSO FACILITATES GENERATE REPORT OF ORDER SUMMARY IN MONTH.

SUPPLIER MANAGEMENT

- MANAGING SUPPLIER DETAILS SUCH AS ADDITION OF NEW SUPPLIERS BY STORING THEIR CONTACT INFORMATION, UPDATING IT, AND DELETING IT. ALSO SEARCH SUPPLIER DETAILS.

- GENERATION OF REPORT WHICH GIVES INFORMATION OF A SUPPLIERS. AND GENERATE REPORT WHICH GIVES SUPPLY INFORMATION OF EACH SUPPLIER

FINANCE MANAGEMENT

- WHEN THE ASSERTS AMOUNT AND LIABILITIES ARE GIVEN FROM THE FINANCIAL PROFESSIONALS IT WILL BE ADDED AND THEN IT WILL CALCULATE THE EQUITY. THEN A SIMPLE BALANCE SHEET WILL BE GENERATED.

- THE AMOUNT OF UTILITY BILLS (WATER BILL, ELECTRICITY BILL), NUMBER OF EMPLOYEES AND TOTAL OF EMPLOYEE'S SALARIES WILL BE ENTERED TO GET AN IDEA ABOUT HOW THE COMPANY CAN DECREASE THOSE AMOUNTS.

- NET INCOME AND TOTAL EXPENSES WILL BE ADDED, AND IT WILL GENERATE A GRAPH SHOWING HOW INCOME AND EXPENSES VARY FOR FIVE MONTHS.
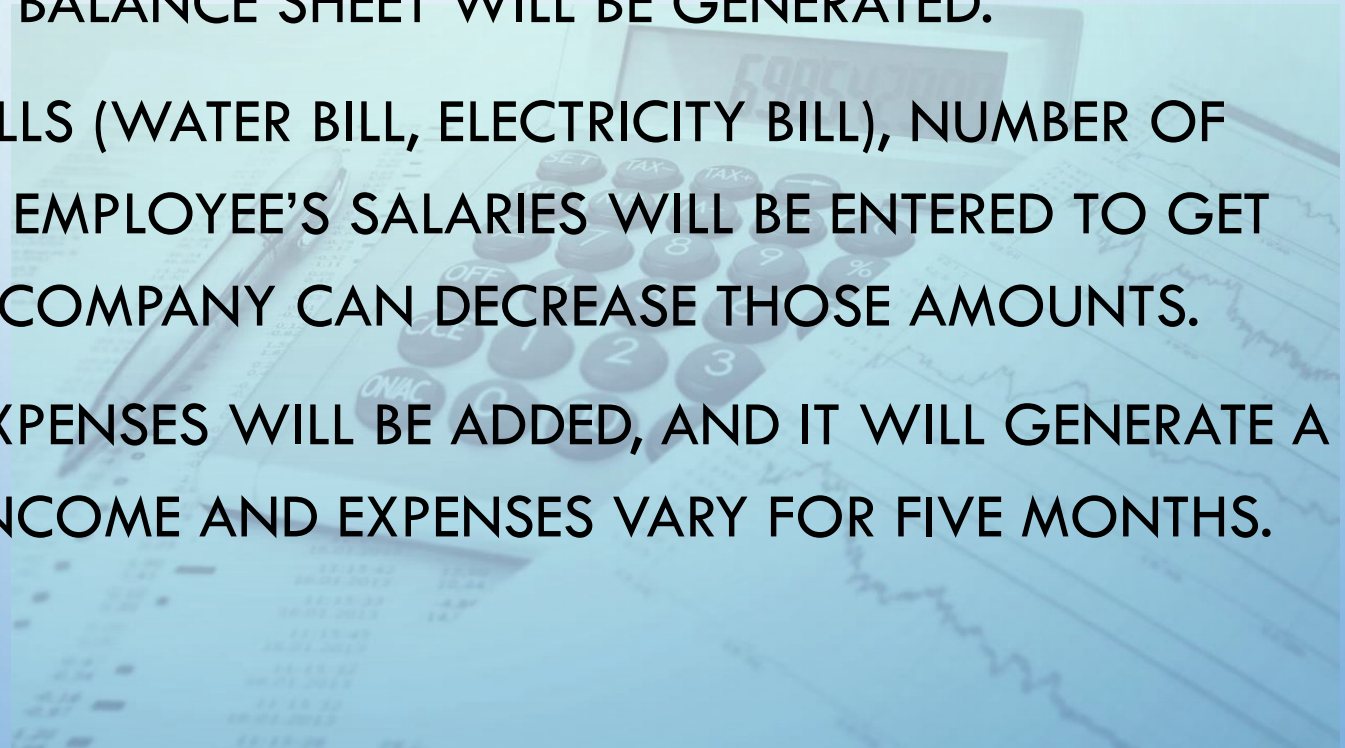
TOOLS AND TECHNOLOGIES

Develop front end via JAVA SWING TECHNOLOGY
using NETBEANS

Database will be written and implemented using
MySQL

Source code management, team collaboration and
version control is managed using a GitHub Repository

WORK DISTRIBUTION AMONG MEMBERS

Name with Initials	Registration Number	Function
Pinto R.D.S.P	IT19016894	**Sale Management**
Vidarshana K.L.G.T	IT19094328	**Employee management**
Sandaruwan K.L	IT19023342	**Item management**
Dissanayaka G.E.M	IT19114422	**Stock management**
T.V.Thimira Isiwara Vithanage	IT19171302	**Order management**
U.I.Sandamali	IT19079646	**User management & Payroll**
U.S.Malsha	IT19049014	**supplier management**
G.L.I.R. Liyanage	IT19057248	**Finance management**

Thank You