



BSc (Hons) in Computer Science via GDSE

Module Code ITS1066

Professional Software Project in IT - Project Synopsis

Project D.K.F

STUDENT NAME : L.H.Dewmith Mihisara

STUDENT ID : 200506303883

BATCH NO : 66

SUBMISSION DATE(13/03/2023)

Background of the business :

Dollar Knit Fabric (D.K.F) Is a small garment factory in Galle. It has 30 sewing machines and an ironing section. In this factory, they deal with "Job Work" and mainly focus on t-shirts. They get orders from big garment factories.

Smart Shirt(PVT)Ltd, Polytex Garments Limited, Vogue Tex (PVT) Ltd, Shiran Garment, Bodyline (PVT) Ltd, MAS Active Shadowline and Brandix Lanka Limited are the main buyers of the Dollar Knit Fabric garment factory.

Before getting orders from those big garments they have to sign a contract for 1-6 years. During this time duration, they own this factory's production line. This is what we call "Job Work" in the textile industry.

Number of Employees :

-Machine Operators	: 25
-Helpers	: 05
-Quality Control Supervisor	: 01
-Factory Manager	: 01

Main business processes :

The main business of this case is to assemble textiles according to the order. In this case, send all fabric and accessories for this factory (Dollar Knit Fabric) by whoever gives the order. After assembling the textile they have to pack it and send it to the factory who gives them the contract.

When giving orders from the factory they give to keep textile 2% - 5% from the order (depending on the buyer). DKF sells those textiles in their showroom.

Briefly explain your IT solution :

In this case they have to keep many records. Because they have to show every input and output for every textile and accessories. These days, they face many legal issues because records are missing. So they hired me to make a solution to this problem.

Therefore I presented a solution for this record missing issue. So I decided to create a management system for keeping records of input and output and packing quantity. And I also add a system for keeping records of attendance and salary and also add a POS system for managing factory showroom.

