

Project Proposal Academic Year 2021

Candidate Details

Index No	: 0801666
Name of candidate	: A W M Azad
Address	: 159/3 Pangollamada, Akurana, Kandy.
Contact telephone numbers	: 0772175588
Email	: azadnio@gmail.com

Supervisor/Advisor Details

	Supervisor 1 (IT Related)	Supervisor 2 (Optional)
Name	Mr. Suren Sarathkumara	
Designation	Proprietor and consultant at Glenn Mc Millea Invent (pvt) Ltd.	
Workplace address	116/1/1 Dharmapala Mawatha, Matale.	
Academic/ professional/ qualifications and memberships	Ten years of experience in consulting IT projects.	
Work experience	<p>Worked as a consultant for more than 8 years at GTZ Sri Lanka.</p> <p>Worked as consultant at hSenid Sri Lanka for 6 months.</p> <p>Developed various systems for various organization including Readywhere Industries Ltd, Kia Lanka Ltd and Ceylon Electricity Board.</p>	
Email:	hex.nanotech@gmail.com	
Phone number/s	077-6196944	

Note: Any deviation of the final project from the project described in this proposal should be explained by the candidate in the dissertation.

Project Details

Title of Project:

Web Based Customer Orders and Account Management System for Capital Hardware

If Repeat Student

Number of Attempt(s): 6

Previous Decision: ☒ Same/improved/new
☐ New

Earlier Project Title: Web Based Customer Orders and Payment System for Capital Hardware

Name and address of client:

Capital Hardware
270, Old Moor Street,
Colombo - 12

Motivation for project:

Capital hardware is a well-known hardware store in Colombo wholesale hardware market. They are selling hardware items in large scale for local market. Potentially one of large market share in western and central province is holding by them due to the quality of their items, price and well known customer service. They running the business successfully for last 12 years from their started and they have large customer base in island wide.

The customers of the Capital Hardware are basically the hardware items delivery dealers and retail hardware stores in island wide.

Usually a customer placing orders of required hardware goods by telephone call to the hardware store the hardware staffs are prepare the invoice and arrange their ordered goods and send it through a transport services or the delivery lorries of the Capital hardware. Customers pay the payment for their invoices to the Capital hardware as the dated cheques or cash depends on payment status of the invoices or a Capital Hardware representative collects the payments by visiting to the customers.

Because of the usage of manual system to conduct business, Capital hardware had to go through lots of difficulties when handling their sales, payment collections and maintaining the ledgers in

addition to unnecessary paper and labour cost derived by the manual system. Management and staffs are rarely making face to face business activities with their customers therefore the management decided to go for an online customer orders and payments management system. Currently the sales and payments of every customer are manually maintained and cheques of the customers as well. And they need to automate the system for, to give an efficient customer orders and manage their payments to reduce the hassles of manual ordering system to the customers. The system should be also providing status of customer cheques, payments and accounts therefore customer can track their updated account information and payable invoices. I have chosen this project as my BIT final year project for fulfill the BIT degree.

Objectives and scope of proposed project:

- Login management
- Provide customers to place their orders through the website
- Provide customers to view their payments, accounts, orders and cheques status
- Promoting items through website by images of it
- Manage customers
- Manage customer orders
- Manage customer cheques
- Manage customer returned items
- Manage customer payments and invoices
- Verify overdue payments and notify customers
- Prepare management report

Critical functionalities for project:

- Maintain customer accounts
- Maintain customer cheques and returned cheques
- Early detection of account closed cheques
- Processing online orders
- Adding customer payment for invoices

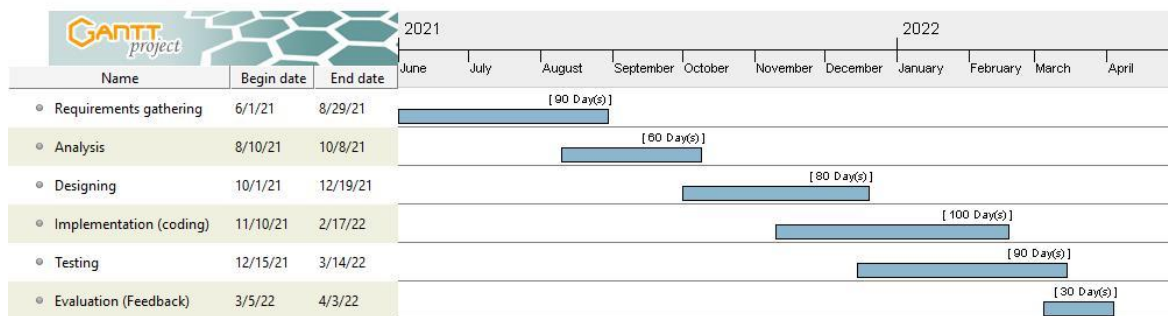
Itemized list of deliverables of the system:

Note: Deliverables are items that you would deliver to the client at the end of the project.

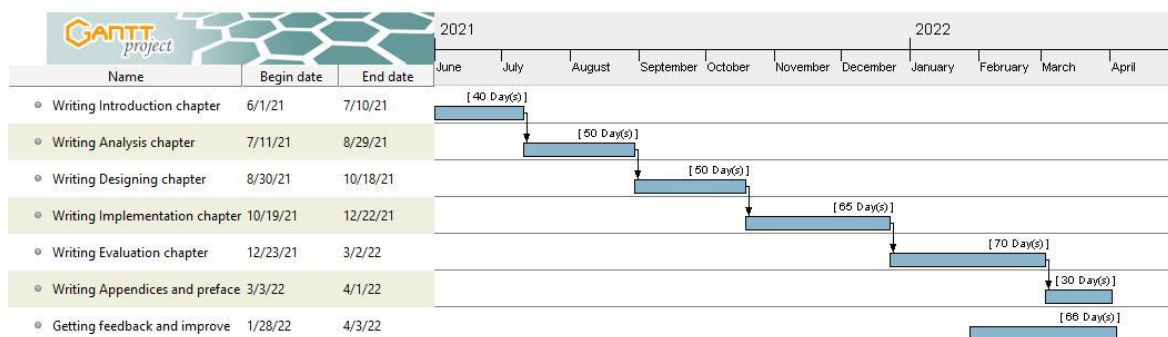
- Working software system
- User manuals
- Training and support

A project plan using Gantt chart (include the work involved in system development as well as writing the dissertation):

Gantt chart for system development



Gantt chart for writing the dissertation



Resource requirements for project (e.g., hardware, software,...):

Hardware (minimum)

Dual core

1GHz speed

1 GB RAM

Software

Visual Code IDE

NodeJS

MySQL server

A Web browser (Google chrome)

Proposed way of self-evaluating the success of your system:

- Do unit, white box and black box tests when each module developed.
- Do user acceptance test when system fully developed to verify client requirements are met.