	Kod Projek :	BITU 2913

UNIVERSITI TEKNIKAL MALAYSIA MELAKA
FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY

WORKSHOP 1
PROPOSAL FORM
SESI _2020/2021_ SEM _1_
[Incomplete form will be rejected]

A	**TITLE OF PROPOSED PROJECT: e-Cafeteria: Food Ordering and Food Budgeting Application** *Tajuk projek yang dicadangkan :* **Project Domain:** D*omain Projek:* ☑ BUSINESS & SERVICES ☐ HEALTHCARE ☐ TRANSPORTATION ☐ ENTERTAINTMENT ☐ AUTOMOTIVE ☐ AGRICULTURE ☐ OTHERS : _____
B	**DETAILS OF STUDENT** / *MAKLUMAT PELAJAR*
B(i)	**Name of Student: Cecilia Chong Ching Nee** **Identity card no.: 991024-02-5182** *Nama Pelajar:* *No. Kad Pengenalan :* **Student matric no.: B031910390** *No. Matrik Pelajar :* **Programming Technique (BITP 1113) Grade** : Gred Teknik Pengaturcaraan (BITP 1113) : ☑ A ☐ A- ☐ B+ ☐ B ☐ B- ☐ C+ ☐ C ☐ C- ☐ D
B(ii)	**Correspondence Address: 14, Jalan Kebangsaan 27, Taman Universiti, 81300 Skudai, Johor.** *Alamat Surat Menyurat :*
B(iii)	**Course:** *Kursus:* ☐ BITC ☐ BITZ ☐ BITE ☐ BITI ☐ BITM ☑ BITS ☐ BITD
B(iv)	**Home Telephone No.: 07-571 5938** *No. Telefon Rumah:* **Handphone No.: 018-374 6877** *No. Telefon Bimbit:*
B(v)	**E-mail Address: chingnee1024@gmail.com** *Alamat e-mel:*

C	PROJECT INFORMATION / *MAKLUMAT PROJEK*
C(i)	**Duration of this project:** *Tempoh masa projek ini:* **Duration: _____14 weeks_____** *Tempoh* : **From : _____12/10/2020_____** *Dari :* **To : ____11/01/2020_____** *Hingga :*
C(v)	**Executive Summary of Project Proposal (maximum 300 words)** **(Please include the background of project, problem statements, objectives, scope and project significance from the project)** *Ringkasan Cadangan Eksekutif Projek (maksima 300 patah perkataan)* *(Meliputi latar belakang projek, penyataan masalah, objektif dan kepentingan projek)* UTeM's cafeteria provides daily meals in UTeM. These cafes offer both buffet style cafering as well as menu for customers to choose. However, cafeteria in UTeM do not consist of any electronic system to manage orders. As a result, customers cannot estimate their monthly budget and vendorss cannot do their report for daily profits. Besides, the food is not enough to supply for everyone during rush hour. As a result, vendors cannot identify the amount that they need to prepare every day. Furthermore, tables in cafe do not consist of numbering and do not provide the service of delivery. Therefore, customers have to wait at the counter for their food and results in too many customer waiting at the counter. The project is to develop and design a cafeteria management system. The system is to generate reports for budget and sales. The system is designed to make cafeteria more accessible to individuals in UTeM. The system is designed to be used by customers, vendors and admin. Customer view menu, order food and plan their meals in the system. Vendors can use the system to do payments, calculate sales and generate report. Admin can manage user account and menu item using the system.

C(vi)	**Detailed proposal of project:**
	Cadangan maklumat projek secara terperinci:
	
	(a) Project background including Introduction and Problem Statements
	Keterangan latar belakang projek termasuk pengenalan dan penyataan masalah.
	
	1. *Introduction*
	
	Universiti Teknikal Malaysia Melaka (UTeM) is a local university located in Durian Tunggal, Alor Gajah, Melaka, Malaysia. UTeM is established on 1 December 2020 as the first technical public university in Malaysia. It consists of two campus namely campus Induk and campus Technology. Both campus have their own respective cafeteria that provides daily meals of students, staff and lecturers in UTeM. These cafes offer both buffet style cafering as well as menu for them to choose.
	
	2. *Problem Statements*
	
	    i. The cafeteria in UTeM do not consist of any electronic system to manage orders.
	    ii. The food is not enough to supply for everyone during rush hour.
	    iii. The tables in cafeteria do not consist of numbering.
	    iv. Cafeteria do not provide the service of delivery.

(b) Objective (s) of the Project
Objektif Projek

This project embarks on the following objectives:

1. To develop and design a cafeteria management system

2. To generate budget for customers and sales for vendors

3. To make cafeteria more accessible to individuals in UTeM

(c) Scope
Skop

1. Module to be developed

   a. Login
      - Customers, Vendors and Admin can login to system by entering username and password.

   b. Register
      - New user can register by filling in username, password and personal information.

   c. Add/Update/Delete
      - Customers, Vendors and Admin can add, delete and update data in system.

   d. Calculate
      - The system will calculate sales report, total payment due and budget.

2. Target User

   a. Customer
      - View, add, delete and update own account.
      - View menu items available.
      - Make an order and pay for it.
      - Plan budget for daily, weekly and monthly meals.
      - Book meals ahead of time.

   b. Vendors
      - View, add, delete and update own account.
      - View own menu items available.
      - View orders for dine in and delivery.
      - Process payment.
      - Generate report for daily, weekly and monthly sales and ranking.

   c. Admin
      - View, add, delete and update own account.
      - Update user account balance.
      - View, add, delete and update menu items.

(d) Project Significance
Kepentingan projek

1. Computerized Information System can help business manage and plan their sales and product more efficiently.
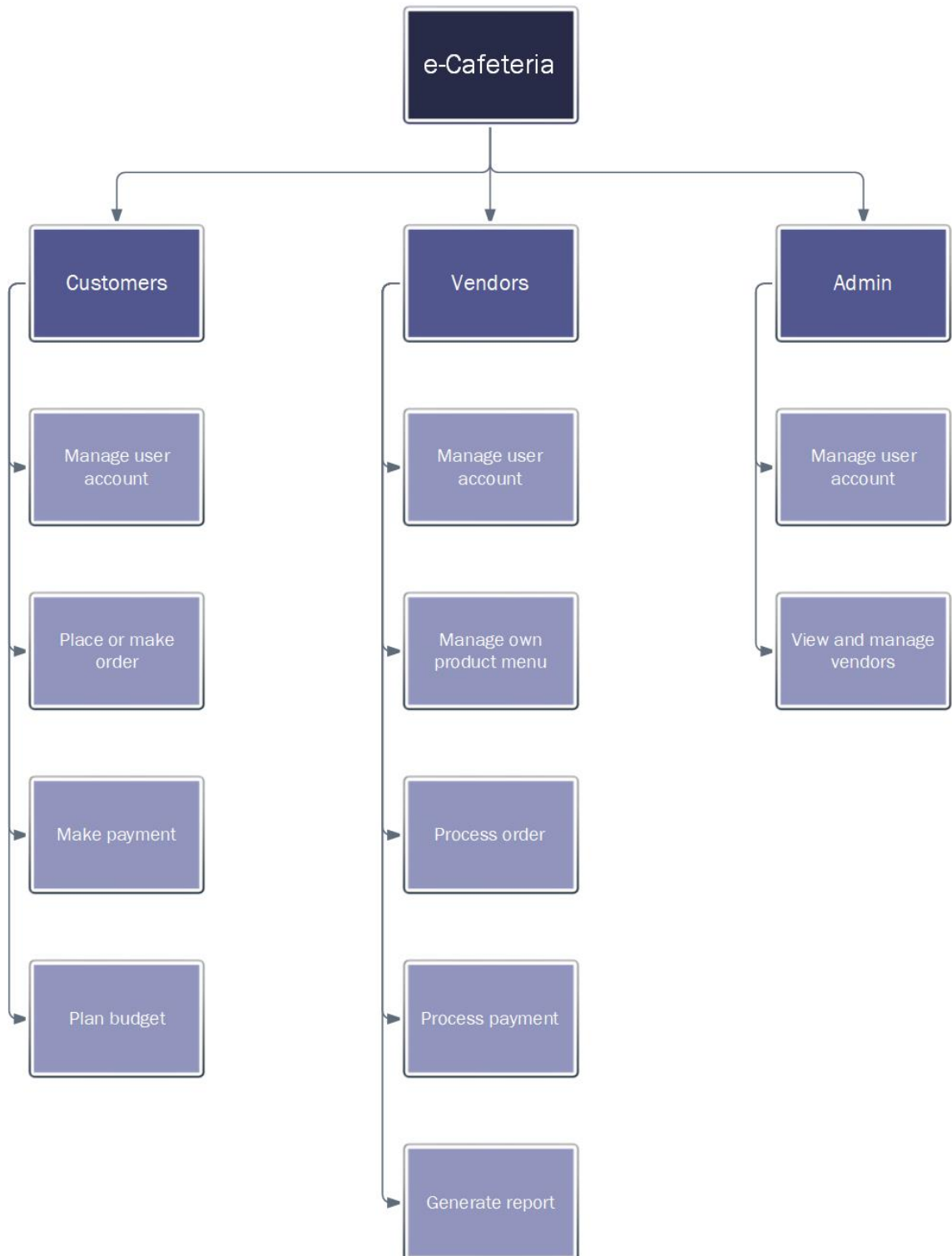2. It allows customers to order food more easily wherever they are.

(e) Problem Decomposition Description
Diskripsi Pecahan Masalah

1. Cafeteria in UTeM can plan ahead and prepare sufficient amount of food
2. Customer can order ahead of time and make sure they have food even if they have late classes
3. Customer can manage and plan their food budget.
4. Customer can order food for delivery if they are not free to go cafeteria.

(f) Stucture Chart
Carta Struktur

```
                        e-Cafeteria
          ┌──────────────────┼──────────────────┐
       Customers           Vendors             Admin
          │                  │                  │
    Manage user        Manage user        Manage user
      account            account            account
          │                  │                  │
    Place or make      Manage own        View and manage
       order           product menu          vendors
          │                  │
    Make payment       Process order
          │                  │
     Plan budget       Process payment
                             │
                       Generate report
```

(g)   Gantt Chart of Project Activities
Carta Gantt Aktiviti Projeck

No	Task	Week													
		01	02	03	04	05	06	07	08	09	10	11	12	13	14
1	Discussion of Title	█	█												
2	Submit and evaluation of Proposal			█											
3	Anaylysis and Design			█	█										
4	Progress Report 1					█	█	█							
5	Progress Report 2								█	█	█				
6	Progress Report 3											█	█	█	
7	Final Presentation and Final Report														█

D	REFERENCES

Programming Technique Textbook, Data Structure and Algorithm Textbook.

E	**ACCESS TO EQUIPMENT AND MATERIAL (PLEASE LIST IN DETAIL)** / *KEMUDAHAN SEDIA ADA UNTUK KEGUNAAN BAGI PROJEK INI (SILA SENARAIKAN DENGAN TERPERINCI)*

University *Universiti*	**Other Sources or Places** *Lain-lain tempat/sumber*
Example */ Contoh:* **Software:** **XAMPP, Microsoft Visual Studio C++ 2017**	

F (i)	**Declaration by student/** *Akuan Pelajar*
	Date : **18/10/2020** **Student's Signature :** *Tarikh :* *Tandatangan Pelajar :* _____
F (ii)	**Recommended by the Supervisor** *Perakuan oleh Penyelia*

	Please tick (√) in the appropriate box
	Sila tandakan (√) dalam kotak yang berkenaan
	
	Recommended:
	Diperakukan:
	
	☐ **A. Highly Recommended**
	    Sangat Disokong
	
	☐ **B. Recommended**
	    Disokong

☐ **C. Not Recommended (Please specify reason)**
   Tidak Disokong (Sila Nyatakan Sebab)

General Comments:
Ulasan umum:

Supervisor's Name:
Nama Penyelia:

Signature:
Tandatangan:

Date:
Tarikh:

F(iii)	**Comments/ Feedbacks from the Committee of Workshop 1** *Komen/ Maklumbalas daripada Ahli Jawantankuasa Bengkel 1*