

 UTM <small>UNIVERSITI TEKNOLOGI MALAYSIA</small> <small>RESEARCH UNIVERSITY</small>	SCHOOL OF COMPUTING FACULTY OF ENGINEERING UNIVERSITI TEKNOLOGI MALAYSIA
---	---

PSM 1 (SCSJ 3032) PROJECT PROPOSAL FORM

Session/Semester:2022/2023-2.....

Instruction: Please complete and submit this form to the departmental PSM committee. The proposal must be reviewed by the supervisor before submission.

SECTION A: STUDENT INFORMATION

Name	Adib Bin Morshed		
Year/Course	3-SECJ		
IC. No.	202001M10343	Matric No.	A20EC4008
Email	adib.morshed@graduate.utm.my	Mobile No.	01170254920

Proposal No. 1 *(Please follow your preference. Proposal No. 1 – the highest priority, followed by Proposal No. 2 Each student may propose a maximum of 2 topics).*

SECTION B: PROJECT DETAILS

Supervisor Name:	Prof. Madya. Ts. Dr. Mohd Shahizan bin Othman
Project Title:	UniRide & UniFood UTM

Problem Background and Proposed Solution:

As a first-timer in UTM, it's really hard to find the food places inside UTM except for Meranti since that's the center point of UTM. UTM consists of both international and local students. For newcomers, finding good restaurants inside is challenging for local and international students. Besides, many restaurants inside UTM have different food varieties and choices. For international students, if they're not familiar with local food, some struggle to find the right meal to pass the day. To solve this problem, it is better to have a food review system where they can get reviews from people about the restaurants and their

food quality.

Most of the restaurants inside UTM don't have any delivery system for their services. This is a struggle for many students since UTM has a very big campus and it's hard to travel around campus without proper transportation especially during vacations when shuttle services become linear. Many students and staff inside the campus own cars but not all the students have cars inside the campus. So, it becomes a struggle for them to go to their desired places inside the campus during odd hours without transportation. To solve this problem, the plan is to develop a system that can provide both transportation service as well as food delivery services for restaurants. It is also possible for the students inside the campus to earn good pocket money by implementing this application.

The solution proposed:

1. Web-based/mobile application program that will carry out the delivery from the registered restaurants inside UTM.
2. The delivery system will be carried out by university students.
3. The system will have carpooling services provided by the university students and staff to go from one place to another inside the campus.
4. The system will allow users to leave a review of the restaurants.

Objectives:

1. The system will have should have a user-friendly interface that is easy to navigate and use, allowing UTM community members to easily access and utilize the carpooling and food delivery services. The system will provide a seamless and convenient experience for users, from registering and creating profiles to finding compatible carpool partners or placing food orders.
2. The system will have reliable payment methods for carrying out the carpool and the food delivery services.

3. The web-based application system should have robust security and privacy measures in place to protect user information, payment details, and personal data.
4. The system should comply with relevant data protection laws and regulations, and implement measures such as encryption, authentication, and data privacy controls to ensure the confidentiality and integrity of user data.
5. The application will have a review system that would allow users to share their experiences and leave reviews about the restaurants/carpool partners.
6. The application will promote healthy and sustainable food options by including the nutritious values of certain foods.
7. The application will contain different gamification and rewards for the users based on their usage of the application.

Scopes:

- It's limited to UTM services only.
- Login and registration features will be included in the application.
- Since the application is based on the food delivery service, maximum efficiency and a payment gateway system will be implemented.
- Shuttle services inside UTM are not included in the project.
- Booking and scheduling system for carpooling and food delivery requests.
- Feedback and rating system for users to provide reviews and ratings for carpooling and food delivery services.

Project Requirements:

Software :

Hardware :

Technology/Technique/Method/Algorithm :

Network Elements :

Security Elements :

Project Type: *(Please tick one)*

☐ System Development

☐ Research

Project Area:

Area :
 (e.g.: *Security – Cryptography*)

SECTION C: STUDENT ACKNOWLEDGEMENT

I confirm that this project is:

- ☐ My own idea
☐ Proposed by the supervisor.....

Date: Student Signature:

SECTION D: SUPERVISOR ACKNOWLEDGEMENT

I confirm that I have reviewed this student's project proposal and therefore agree for the proposal to be submitted for evaluation.

Date : Signature :
 Official Stamp

SECTION E: EVALUATION PANEL APPROVAL

Outcome:

- ☐ Full Approval
☐ Conditional Approval (Minor)
☐ Conditional Approval (Major)
☐ Fail

Notes (*Please state reasons for conditional or failed approval*)

.....

Evaluation Panel:

1.
 2.

Date: Signature:
 Name:

SECTION F: FOR FACULTY COMMITTEE ONLY

Date Received:

Signature : (Official Stamp)

