

 UTM <small>UNIVERSITI TEKNOLOGI MALAYSIA</small> <small>RESEARCH UNIVERSITY</small>	SCHOOL OF COMPUTING FACULTY OF ENGINEERING UNIVERSITI TEKNOLOGI MALAYSIA
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PSM 1 (SCSx 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

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Proposal No.

2

(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:	DR. MOHD SHAHIZAN OTHMAN
Project Title:	360 degree Evaluation for UTM ISES Award Nomination

Problem Background and Proposed Solution:

Problem Background:

UTM ISES(Integrity Synergy Excellence Sustainability) is a platform that does a award nomination competency for UTM staffs every year by aligning UTM's visions and goals. But this nomination and awarding is done manually. The UTM staff has to manually fill up hard copy forms in order to nominate their colleagues; This form or questionnaire fill up cannot be done at the ISES site. Also the winner for the ISES award is selected manually by analyzing the data from the survey done by the staffs. So this current surveying method is very time

consuming as well as error prone. The winner selection might also sometimes be questionable since all of it is done manually as paperwork.

Problem Statement:

1. Developing a webpage with user friendly interface that will contain analysis dashboard, surveying questionnaires, nominee data and so on.
2. Creating online ISES award nomination system so that the UTM staffs can fill out only by ticking in the designated survey or questionnaire for their nominee and submit it through the system.
3. In order to calculate the final scores for each colleague system will assign weights to each rating criteria and add up the scores to determine the winner.
4. A 360 degree evaluation can be added to the surveying system that is all the peers, colleagues, subordinates, seniors will evaluate through that given evaluation set.
5. A spiderweb visualization can be implemented in order to visualize the ratings for each staff which will provide an easy to understand summary of the evaluations.
6. System will calculate the ratings and declare a winner by analysing all the input data, 360 degree evaluation and spiderweb visualization. Thus the ISES award nomination becomes very easier and hassle free.

Objectives:

1. To Develop a user-friendly survey system that allows UTM staffs to nominate and evaluate each other for ISES Award Nomination in a fair and accurate manner through online questionnaire thus making it easy for them to nominate and evaluate very easily.
2. To conduct an automated data analysis from the questionnaires filled by the staffs.
3. To Implement a 360-degree evaluation system that captures feedback from co workers including peers, superiors, and subordinates.
4. To Create a spiderweb visualization that presents the evaluation results in an easy-to-understand format, highlighting the strengths and weaknesses of each colleague.

5. To find a winner for this ISES Award Nomination automatically through the system's data analysis and calculation in order to make it hassle free.

Scopes:

1. User interface Design: This would entail creating an intuitive user experience that enables co-workers to quickly respond to the survey questions and check their performance data in the spiderweb visualisation.
2. Survey Development: The survey questions should be created with staff input and should reflect the mission and values of UTM. To make sure the survey is clear and successful, it may be useful to run a pilot test.
3. Data Management: To store, analyse, and report survey results, a strong data management system is required. This can entail creating a database or making use of already available data management solutions.
4. Reporting and Visualization: Using a spiderweb visualisation can help communicate survey data in a clear and simple way. This area of focus would entail creating a visualisation tool that would enable users to examine their performance results and peer comparisons.
5. Testing and Deployment: The system should be thoroughly tested before going live to guarantee its efficacy and usability. Also, deployment should be carefully planned to reduce interference with corporate operations.

Project Requirements:

Software	:Visual Studio Code, Github, Xampp etc....
Hardware	: ...Laptop, PC, Keyboard, Mouse etc.....
Technology/Technique/ Method/Algorithm	:React JS, Laravel, SQL, HTML, CSS etc.....
Network Elements	:Mobile Data, Wi-Fi
Security Elements	:

Project Type: *(Please tick one)*

[☒] System Development

[☐] Research

Project Area:

Area :WEBBASED.....

(e.g.: *Security – Cryptography*)

SECTION C: STUDENT ACKNOWLEDGEMENT

I confirm that this project is:

☐ My own idea

☒ Proposed by the supervisor.....

Date:

Student Signature:

.....6/4/2023.....



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*)

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Evaluation Panel:

1.
 2.

Date:

Signature:

Name:

SECTION F: FOR FACULTY COMMITTEE ONLY

Date Received:

Signature : (Official Stamp)