

 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 (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		
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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:	Publication profiling for staff of Faculty of Computing UTM

Problem Background and Proposed Solution:

The Faculty of Computing is one of the fundamentals of UTM. The staff of the faculty of computing not only excels in academic teaching but also in research. University Teknologi Malaysia (UTM) is a research-intensive university. The journals published by the faculty members are available online but they lack a centralized system resulting in insufficiencies. Faculty members are currently using multiple platforms for publishing research papers, making it difficult to keep track of submissions and publication timelines. The current system of publishing journals lacks effective data visualization tools, For our faculty members, it'll be

more convenient for them to receive peer reviews and accountability and they can assess the reviews more easily. As a student, it is not the best approach to search and look for the journals published by the faculty members online. The solution to this problem is to have a website where it is possible to go through the faculty member's journals. The faculty of computing requires a dashboard where the analytical approach will be taken to display the research achievements made by the faculty members. The solutions proposed:

- To have a profiling website for the faculty members of computing, UTM where the number, and type, of journal articles published by the faculty members, will be displayed.
- To have an analytical approach to the research made by the faculty members by having a dashboard.
- To have a review system for the faculty members to assess the quality of their research.

Objectives:

- The system will have a user-friendly interface that is easy to navigate and use,
- The system will analyze different data related to the journals published by the faculty members and a dashboard will be provided based on the data received.
- The system will include the profiling of the staff of the faculty of computing and will dictate the type, level, number, and year of the journals published.
- Providing a centralized platform for faculty members which can include their research interests, publications, teaching experience, awards and honors, and other professional accomplishments.
- Providing analytics and data insights to administrators and decision-makers, which can help in tracking faculty activity and performance,

Scopes:

- It's limited to UTM faculty of computing staff only.
- Providing a platform for faculty members to create and maintain their online profiles, which can include their research interests, publications, and other professional accomplishments.

- Enabling faculty members to showcase their expertise and achievements to their peers, students, and other stakeholders, can help in building their reputation and increasing their visibility within the academic community.
- Helping students, staff, and other stakeholders to find and connect with faculty members who have expertise in specific areas, and who can provide guidance and support on academic and research-related matters.
- Providing analytics and data insights to administrators and decision-makers, which can help in tracking faculty activity and performance.
- Feedback and review system for users to comment on the journal.

Project Requirements:

Software	: Visual Studio Code, Xampp
Hardware	: Ryzen 7, Ram 16GB
Technology/Technique/ Method/Algorithm	: ReactJs, nodeJs, python, agile development method
Network Elements	: Wifi, Mobile data
Security Elements	: None

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*)

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Evaluation Panel:

1.
2.

Date: Signature:
 Name:

SECTION F: FOR FACULTY COMMITTEE ONLY

Date Received:

Signature : (Official Stamp)