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“Optimizing Innovation in Knowledge, Education and Design”

EXTENDED ABSTRACT



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Assalamualaikum warahmatullahi wabarakatuh,



First and foremost, I would like to express my gratitude to the organizing committee of i-Spike 2023 for their tremendous efforts in bringing this online competition a reality. I must extend my congratulations to the committee for successfully delivering on their promise to make i-Spike 2023 a meaningful event for academics worldwide.

The theme for this event, 'Optimizing Innovation in Knowledge, Education, and Design,' is both timely and highly relevant in today's world, especially at the tertiary level. Innovation plays a central role in our daily lives, offering new solutions for products, processes, and services. By adopting a strategic approach to 'Optimizing Innovation in Knowledge, Education, and Design,' we have the potential to enhance support for learners and educators, while also expanding opportunities for learner engagement, interactivity, and access to education.

I am awed by the magnitude and multitude of participants in this competition. I am also confident that all the innovations presented have provided valuable insights into the significance of innovative and advanced teaching materials in promoting sustainable development for the betterment of teaching and learning. Hopefully, this will mark the beginning of a long series of i-Spike events in the future.

It is also my hope that you find i-Spike 2023 to be an excellent platform for learning, sharing, and collaboration. Once again, I want to thank all the committee members of i-Spike 2023 for their hard work in making this event a reality. I would also like to extend my congratulations to all the winners, and I hope that each of you will successfully achieve your intended goals through your participation in this competition.

Professor Dr. Roshima Haji Said
RECTOR
UiTM KEDAH BRANCH



WELCOME MESSAGE (i-SPIKE 2023 CHAIR)



We are looking forward to welcoming you to the 3rd International Exhibition & Symposium on Productivity, Innovation, Knowledge, and Education 2023 (i-SPIKE 2023). Your presence here is a clear, crystal-clear testimony to the importance you place on the research and innovation arena. The theme of this year's Innovation is "*Optimizing Innovation in Knowledge, Education, & Design*". We believe that the presentations by the distinguished innovators will contribute immensely to a deeper understanding of the current issues in relation to the theme.

i-SPIKE 2023 offers a platform for nurturing the next generation of innovators and fostering cutting-edge innovations at the crossroads of collaboration, creativity, and enthusiasm. We enthusiastically welcome junior and young inventors from schools and universities, as well as local and foreign academicians and industry professionals, to showcase their innovative products and engage in knowledge sharing. All submissions have been rigorously evaluated by expert juries comprising professionals from both industry and academia.

On behalf of the conference organisers, I would like to extend our sincere thanks for your participation, and we hope you enjoy the event. A special note of appreciation goes out to all the committee members of i-SPIKE 2023; your dedication and hard work are greatly appreciated.

Dr. Junaida Ismail

Chair

3rd International Exhibition & Symposium Productivity, Innovation, Knowledge, and Education 2023 (i-SPIKE 2023)

FROM CERTIFICATES TO COMPREHENSIVE RECORDS: INNOVATING WITH UiTM KEDAH STUDENT ACTIVITY TRANSCRIPTS (UiTMKDH SAT)

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ABSTRACT

Universities have a broader role encompassing more than just academic progress; they also contribute to the overall development of students, including non-academic aspects. In this context, UiTM Kedah recognizes the significance of fostering diversified student engagement. Therefore, to address this issue, this study aims to propose and implement the UiTM Kedah Student Activity Transcript (UiTMKDH SAT) as a comprehensive transcript, similar to an academic transcript, encompassing students' extracurricular, intracurricular, and co-curricular involvements. Students will obtain Co-Curricular Activity Cumulative Point (CACP) for each activity they participate to recognize their holistic development. This establishment of a merit-based system closely tied to their active involvement functions as a motivational catalyst, encouraging students to heighten their engagement in extracurricular activities. This strategic alignment amplifies their commitment, paralleling their dedication evident in academic accomplishments as reflected in their academic records. The implementation of the UiTMKDH SAT yields transformative benefits for students. It alleviates the need for students to manage numerous certificates for various activities, replacing this complex documentation process with a efficient approach. When students seek employment opportunities, the UiTMKDH SAT can be conveniently presented, simplifying the application process. This transition from certificates to the UiTMKDH SAT aligns with contemporary strategies, optimizing efficiency during job searches. Moreover, employers gain insights into students' competencies and involvements, enhancing their understanding of potential candidates.

Keywords: Students, UiTM Kedah, Co-curricular, UiTMKDH SAT

INTRODUCTION

The introduction of the UiTM Kedah Student Activity Transcript (UiTMKDH SAT) presents a novel framework that eliminates the need for students to maintain several certificates to validate their participation in extracurricular activities. This invention simplifies the typically complex process of documentation, providing students with a comprehensive record that effectively represents their overall involvement within the academic environment. The shift from physical certificates to a unified UiTMKDH SAT document offers several advantages, including the streamlining of administrative tasks and the creation of a smooth interaction platform with potential employers.

The implementation of the UiTMKDH SAT presents a beneficial transformation for students. There is no longer a necessity for individuals to maintain records of several certificates pertaining to their various activities. Previously, students were required to maintain a multitude of certificates to document their many activities. This issue presented challenges in terms of spatial allocation and organizational efforts during the job application process. However, the UiTMKDH SAT consolidates all of their efforts onto a single platform. This feature enhances the document's usability and user-friendliness. The contemporary method integrates academic excellence with other essential abilities sought by employers.

Transitioning from certificates to the UiTMKDH SAT is a prudent decision. The use of this tool enables students to optimize their time and exertion during the process of seeking employment opportunities. Employers derive advantages from this process since it provides them with a comprehensive understanding of a student's abilities and engagement. This alteration demonstrates the dedication of UiTM Kedah towards enhancing the quality of students' lives and facilitating their achievements in the employment sector.

OBJECTIVE

1. To introduce and implement the UiTMKDH SAT as a comprehensive transcript for documenting and recognizing students' extracurricular, intracurricular, and co-curricular involvements

METHODOLOGY

This research has introduced a merit point system to acknowledge students engaged in student activities. The marking criteria for student activities are outlined in Table 1 and referred to as the UiTM Kedah Student Activity Transcript (UiTMKDH SAT). Students will obtain Co-Curricular Activity Cumulative Point (CACP) for each activity they participate (Guidelines & Procedures on Student Activities, 2019). The points are determined based on various factors, including:

1. The type of activity, such as international, national, university, or student organization level.
2. The level of involvement, like being on the main committee, a committee member, or a participant.
3. Achievements in competitions.
4. The student's role within the student organization, whether main committee, committee member, or ordinary member.

The sum of earned points contributes to the student's CACP, which is capped at 4.0 as the maximum achievable score, as depicted in Figure 1. Throughout their tenure at UiTM Kedah, student activity details are meticulously recorded by the system. Upon graduation, students have the option to request their UiTMKDH SAT from the HEP at UiTM Kedah. Figure 2 present the timeline of UiTM Kedah Student Activity Transcript (UiTMKDH SAT) Application. After students enroll in extracurricular activities at UiTM Kedah, their respective activity advisers are required to input all relevant information into the UiTMKDH SAT system. This encompasses factors such as program level, level of engagement, and level of involvement in student organizations. HEP at UiTM Kedah is required to conduct thorough verification processes to ensure the accuracy and adherence to regulations of all provided information. Upon completion of the verification process, the records are thereafter forwarded to the Rector of UiTM Kedah for final endorsement. After obtaining authorization, students have the ability to access and download their UiTMKDH SAT from the official UiTM Kedah website. Additionally, students can also conveniently use a QR code to access their UiTMKDH SAT. (refer Figure 3)

Table 1. Marking Scheme for UiTM Kedah Student Activity Transcript (UiTMKDH SAT)
Level of Participation:

	Main Committee	Committee	Sub- Committee / Member	Participant
International	100	75	75	50
National	75	65	65	40
University	65	55	55	30
Club / Society / Faculty	55	45	45	20
Kolej	35	20	20	5
Compulsory Programme	35	20	20	-

Membership:

International	100	85	70	55
National	85	70	55	40
University	70	55	40	25
Club / Society / Faculty	55	40	25	10

Participation in Competition:

Achievements / Level	Special Award (Best Overall)	1 st Place (Gold Medallist)	2 nd Place (Silver Medallist)	3 rd Place (Bronze Medallist)	Without Award / Participant
International	100	90	80	70	60
National	90	80	70	60	50
University	80	70	60	50	40
Club / Society / Faculty	70	60	50	40	30

Source: Adapted from Guidelines & Procedures on Student Activities (2019)

$$\text{CALCULATION: } \frac{\text{Total Points}}{600} \times 4 = \text{Co-Curricular Activities Cumulative Points (CACP)}$$

Source: Adapted from Guidelines & Procedures on Student Activities (2019)

Figure 1. Calculation for Co-Curricular Activities Cumulative Points (CACP)

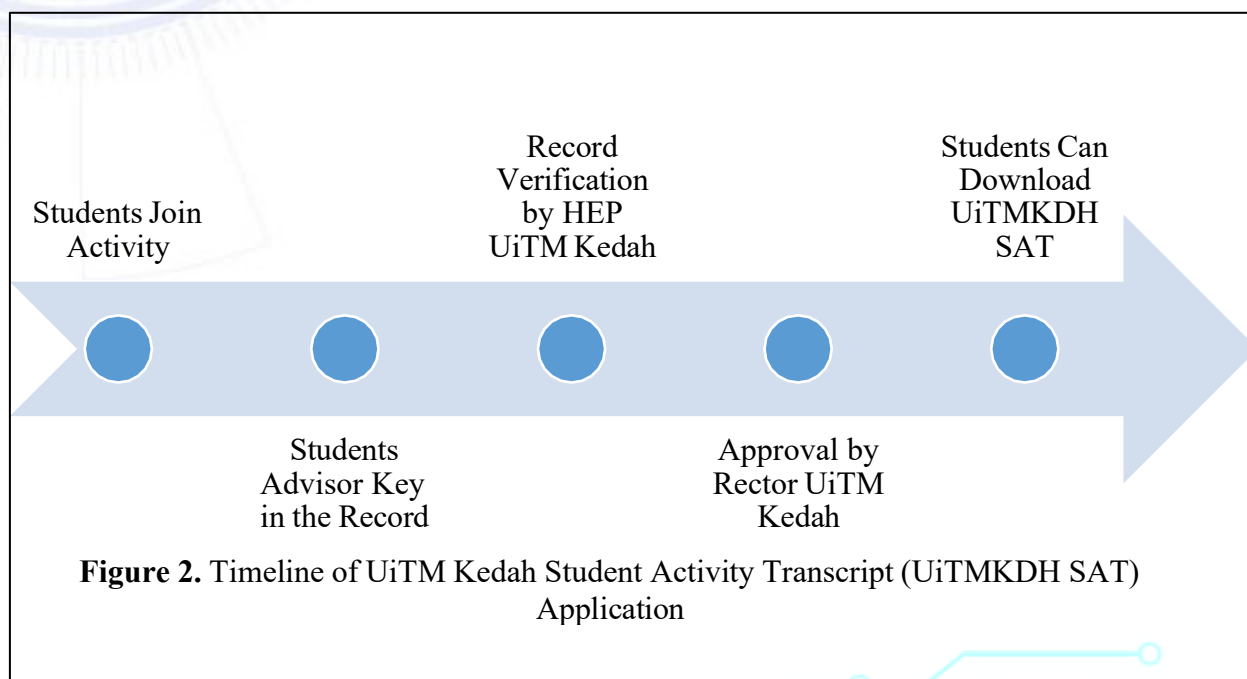


Figure 2. Timeline of UiTM Kedah Student Activity Transcript (UiTMKDH SAT) Application



Figure 3. QR Code for Accessing UiTMKDH SAT

RESULTS

To explore the practical implementation of the UiTMKDH SAT, a case study provides valuable insights. Muhammad Hanif Othman, a dedicated student enrolled in the BA250 program (Business Economics) at the Faculty of Business and Management, UiTM Kedah, emerges as a prime example. His active participation extends across both academic and non-academic domains. Throughout his academic journey, he engages fervently in an array of student group activities. He joins the university's debate club, enthusiastically participates in community service initiatives, excels in sports, secures victories in various competitions, and assumes leadership roles within the central committee of the economics club.

As Muhammad Hanif Othman approaches the culmination of his academic tenure, he embarks on the job application process within his chosen field of study. Employing a strategic approach, he pairs his academic transcript with the UiTMKDH SAT. The outcomes are notably impactful. Prospective employers are profoundly impressed by the comprehensive expanse of Muhammad Hanif Othman's participation and contributions, aptly exemplified through his involvement documented within the UiTMKDH SAT (refer Figure 4). Notably, employers discern that his capabilities extend beyond academics, evident in his engagement in the economics club, debating society, sports, and community service initiatives. These engagements collectively emphasize his aptitude for leadership, teamwork, and effective communication.

CONCLUSION

UiTMKDH SAT stands as a transformative tool, enabling UiTM Kedah students to effectively present their comprehensive activities transcript, showcasing their skills and accomplishments. Through an illustrative case study involving Muhammad Hanif Othman, not only exceptional academic performance but also significant engagement in extracurricular activities is evident. As graduation approaches and the job search begins, this individual can leverage their UiTMKDH SAT alongside their academic records to demonstrate a comprehensive range of achievements to potential employers. This distinctive transcript allows employers to recognize not only exceptional academic aptitude but also remarkable abilities in teamwork, leadership, and other significant domains. Hence, the UiTMKDH SAT serves as a valuable resource for students to display their talents and gain recognition in practical contexts.



STUDENT ACTIVITIES TRANSCRIPT

Name : MUHAMMAD HANIF BIN OTHMAN IC : ██████████
 Programme : BA250 Matric No : ██████████
 Faculty : FACULTY OF BUSINESS AND MANAGEMENT

MEMBERSHIP IN SOCIETY/CLUB

Name of Society	Session	Level	Designation	Points
Economics Society (ECS) 2022/2023	2022/2023	SOCIETY/DEPT	COMMITTEE	40
Economics Society (ECS) 2023/2024	2023/2024	SOCIETY/DEPT	PRESIDENT	55

PROGRAMMES

Name of Programme	Date	Level	Designation	Points
SEMINAR PEMBANGUNAN MAHASISWA DI KOLEJ KEDIAMAN PERINGKAT IPT 2022 (SEPAKAT 2022)	11.01.2022	NATIONAL	MAIN COMMITTEE	75
ECONOMICS SPORT GAME 2022	26.04.2022	SOCIETY/DEPT	MAIN COMMITTEE	55
SEMINAR ON YOUTH, MEDIA & POLITICS	08.07.2022	NATIONAL	MAIN COMMITTEE	75
GO GO MARATHON	05.01.2023	SOCIETY/DEPT	COMMITTEE	45
EXPEDITION TO MOUNT RAJAH	04.06.2023	UNIVERSITY	MAIN COMMITTEE	65
EXPLORING RIAU 2023	11.07.2023	INTERNATIONAL	COMMITTEE	75
SHAH CUP 2023	09.08.2023	SOCIETY/DEPT	PARTICIPANT	20

ACHIEVEMENTS

Name of Competition	Level	Designation	Points
ECONOMICS FUTSAL TOURNAMENT 2022	UNIVERSITY	SPECIAL AWARD (Best Overall)	80
INTERNATIONAL DEBATE COMPETITION	INTERNATIONAL	SPECIAL AWARD (Best Overall)	100
FACULTY GO-KART SPRINT RACE 2023	SOCIETY/DEPT	3 RD PLACE (Bronze Medallist)	40
KARNIVAL FUTSAL HARIAN METRO 2023	NATIONAL	WITHOUT AWARD / PARTICIPANT	50



CO-CURRICULAR CUMULATIVE AVERAGE POINT : 4

CO-CURRICULAR TOTAL POINT : 725

Quality Points	Remarks	Quality Points	Remarks
3.67 – 4.00	Exceptional	2.00 – 2.32	Satisfactory
3.33 – 3.66	Excellent	1.67 – 1.99	Quite Satisfactory
3.00 – 3.32	Very Good	1.33 – 1.66	Poor
2.67 – 2.99	Good	1.00 – 1.32	Very Poor
2.33 – 2.56	Fairly Good	0.00 – 0.99	Extremely Poor

Dr. Nor Azrina Mohd Yusof @ Ghani
Deputy Rector
Division of Student Affairs

Prof. Dr. Roshima Said
Rector, UiTM Kedah



Figure 4. UiTM Kedah Student Activities Transcript (UiTMKDH SAT)

Note: The information presented in this figure is solely illustrative and pertains exclusively to the case study

REFERENCES

IIUM, (2019). Guidelines & Procedures on Student Activities. Retrieved from <https://www.iium.edu.my/media/42307/Guidelines%20%26%20Procedures%20on%20Student%20Activities%20%282019%29.pdf>

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