



INTERNATIONAL EXHIBITION & SYMPOSIUM ON PRODUCTIVITY, INNOVATION, KNOWLEDGE & EDUCATION

“Optimizing Innovation in Knowledge, Education and Design”

EXTENDED ABSTRACT



e ISBN 978-967-2948-56-8



“Optimizing Innovation in Knowledge, Education and Design”

EXTENDED ABSTRACT

Copyright © 2023 by the Universiti Teknologi MARA (UiTM) Cawangan Kedah.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or any means, electronic, mechanical, photocopying, recording or otherwise, without prior permission, in writing, from the publisher.

© iSpike 2023 Extended Abstract is jointly published by the Universiti Teknologi MARA (UiTM) Cawangan Kedah and Penerbit UiTM (UiTM Press), Universiti Teknologi MARA (UiTM), Shah Alam, Selangor.

The views, opinions and technical recommendations expressed by the contributors and authors are entirely their own and do not necessarily reflect the views of the editors, the Faculty, or the University.

Editors : Dr. Siti Norfazlina Yusoff
Azni Syafena Andin Salamat
Nurfaznim Shuib

Cover design : Syahrini Shawalludin
Layout : Syahrini Shawalludin

eISBN 978-967-2948-56-8

Published by:
Universiti Teknologi MARA (UiTM) Cawangan Kedah,
Sungai Petani Campus,
08400 Merbok,
Kedah,
Malaysia.

5.	EVABrainiac: The Best Destination for Your Intelligence <i>Husnul Izzati Binti Hassan, Muhammad Hazim Bin Hisham, Nurul Aqilah Binti Sohaimi, Safwah Malyanah Binti Sahariddun, Siti Nur Zuriati Binti Azman & Dr. Farah Adilla Binti Ab Rahman</i>	405-409
6.	OSEM Luggage <i>Crystal Marvella Jasren, Erzivericella Buing, Nurazlina & Cindy Johnny</i>	410-415
7.	KAECPR App <i>Amiruddin bin Junli, Siti Nor Ismalina binti Isa, Farrah Shafeera binti Ibrahim, Rosuzeita Fauzi & Muhamad Ridhwan bin Abd Rahman</i>	416-420
8.	Wonder Guide App <i>Tomy Masital, Muhammad E-man Arrazzaq, Nur Syafiqah binti Sairan, Siti Anis Farhanah binti Mohd Faisal & Spencer Hedley Mogindol</i>	421-426
9.	MY Culture Wise Application <i>Viliannie Fung, Irdhina Hani binti Ramji, Jerad Jay Janis & Alvin Gatu</i>	427-431
10.	Preparing the Inevitable: How JUNBI Eases the Burden of Death Planning <i>Syairunessa Farhana Mohamad Handal, NurFakiera Mohamad Yussuf, Nur' Atasha Amiera Nurdin, Muhammad Firdaus Karia & Adrianna Aziz</i>	432-436
11.	Eyetraxia <i>Nurul Eva Natasah Binti Nordin, Anis Sabrina Binti Nasir, Beatrice Elvina Anak Jolis & Nur Murniza Binti Mohd Zaidi</i>	437-441
12.	Brainy Burner <i>Winnie Limau Anak Jekeri, Dexter Petrus, Hailin Jaibah, Mohammad Syafie Bin Asmara & Umairah Binti Abd Khalid</i>	442-447
13.	NeuroTravel <i>Nur Ellyvia Lengidang Binti Muhammad Bunyau, Allanis Brooklyn Anak Nawin, Anis Nadhirah Binti Romel Shaadat Khan & Alvin Gatu</i>	448-452
14.	GroomGenie Kit <i>Azie Anjelly Ranty Binti Betty, Nur Sahirah Binti Zainuddin, Viona Maria Anak Guan & Nur Murniza Mohd. Zaidi</i>	453-457
15.	MyAbilityAssist <i>Rosevelt Kulong Anak Rudy, Muhamad Dzulhaziq Hiznie Bin Patehi, Izwana Binti Md.Ideris@ Idris, Alya Alyani Syazwina Binti Alihan & Alvin Gatu</i>	458-462
16.	AquaSaver Band: Scuba Emergency Bracelet <i>Mohd Zulfahmi Bin Ashan, Debra Utih Anak Francis, Floria Ann Anak Dominic, Stephanie Pilem & Boyd Sun Fatt</i>	463-467

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)

PREPARING THE INEVITABLE: HOW JUNBI EASES THE BURDEN OF DEATH PLANNING

Syairunessa Farhana Mohamad Handal

Faculty of Hotel and Tourism Management, Universiti Teknologi MARA Sabah Branch,
Kota Kinabalu Campus
2022777777@student.uitm.edu.my

NurFakiera Mohamad Yussuf

Faculty of Hotel and Tourism Management, Universiti Teknologi MARA Sabah Branch,
Kota Kinabalu Campus
2022937783@student.uitm.edu.my

Nur' Atasha Amiera Nurdin

Faculty of Hotel and Tourism Management, Universiti Teknologi MARA Sabah Branch,
Kota Kinabalu Campus
2022755557@student.uitm.edu.my

Muhammad Firdaus Karia

Faculty of Hotel and Tourism Management, Universiti Teknologi MARA Sabah Branch,
Kota Kinabalu Campus
2021859034@student.uitm.edu.my

Adrianna Aziz

Faculty of Hotel and Tourism Management, Universiti Teknologi MARA Sabah Branch,
Kota Kinabalu Campus
adrianna@uitm.edu.my

ABSTRACT

Prioritizing and preparing for needs are rather difficult when someone we love passes away. When it comes to managing funeral preparation, it can be overwhelming because we are dealing with stress and sadness at the same time. Therefore, it is crucial that we sort everything out though we are overwhelmed in shock over the loss. JUNBI, which means "preparation" in Japanese, an application is designed to assist users to make funeral less overwhelming and more manageable. It features a checklist of important documents to obtain, an arrangement of death certificates, a platform to store their will and other legal documents, and a tool to help users to plan funerals. This application also has a function that enables users to for search funeral packages or specific business that handles funeral service arrangements. JUNBI provides users with a list of funeral homes and packages in their area, as well as consumer reviews and ratings. Users simply enter the deceased's name, date of death, religion, and address, and it will display a directory of the cemetery area and funeral directors, along with the pricing information. Once those decisions are made, the application connects the bereaved to an operator who finalizes the preparations and provides all the requisite paperwork that one needs after death. Users can also use the application to book appointments with funeral homes. The features are accessible for both Muslim and non-Muslim users. Prayer recitation in the Quran or the Bible, Qibla direction, and prayer time with several sorts of settings, as well as funeral tutorial video, are among the many beneficial features of the application, and it is a full program for Muslim and Non-Muslim users' fundamental daily activities guidance.

Keywords: Funeral Management, Mobile Funeral Preparation, Prayer Guideline, Directory, Practicable

INTRODUCTION

Funeral planning is crucial for preparing for death (Johnston et al., 2012). It can, however, be challenging and distressing for some people to discuss or manage the funeral (Generous & Keeley, 2017). Introducing JUNBI, the ultimate application that simplifies funeral preparations with compassion and ease. JUNBI uses a rigorous checklist to guarantee that all required documents are in order. Through its directory, it finds the ideal funeral home and package, complete with pricing and reviews. Catering to both Muslim and non-Muslim users, JUNBI provides prayer citations in the Quran or the Bible, Muslim Qibla direction guidance, accurate prayer times, and a funeral tutorial video. JUNBI can be a trusted assistance, in which it provides support and guidance during difficult time.

PROBLEM STATEMENT

Most people will never be able to choose when, where, or how they die because death occurs unexpectedly or because of unforeseeable circumstances (Buchbinder, 2021). Many individuals and families find death planning to be a difficult and frequently an unpleasant task. The process of planning for an end-of-life care, funeral arrangements, and wills or legal administrations can be complex and time-consuming, which resulting in emotional and financial burdens for those involved. This problem is worsened by the fact that many people are unaware of the options and services available for them or may lack of access to the knowledge and assistance needed to make informed decisions. As a result, there is a need for new solutions to alleviate the burden of death preparation and offer individuals and families the skills and resources they require to make this process more manageable and less traumatic. Winn (2019) stated that it is always difficult when losing a loved one, but honouring their death request can bring a feeling of fulfillment in the midst of loss.

OBJECTIVES

JUNBI, a cutting-edge mobile application, is anticipated to transform the way people plan funerals. With innovative features and user-friendly of the application, JUNBI aims to make the often-difficult process of making final arrangements easier and more personalized. JUNBI is designed to make funeral preparation less overwhelming and more manageable for users by providing access to essential details, resources, and secure document storage. The objectives include:

- i. Simplifying the death planning process
- ii. Providing access to information and resources
- iii. Personalizing the death planning process
- iv. Providing a secure platform for storing legal documents

NOVELTY & ORIGINALITY

Despite the existence/availability of the competing applications in the market, JUNBI offers more new and innovative features to help to users manage their end-of-life care and funeral arrangements in advance. This application offers advanced planning tools that help in the arrangement and management in a more streamlined and efficient way, such as the ability to

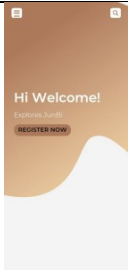
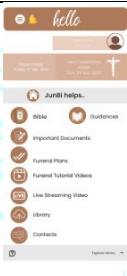
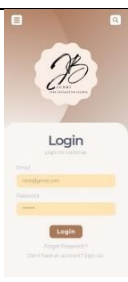
create detailed checklists for important documents, arrange death certificates, and provide a platform to store wills or legal documents. JUNBI application also offers customizable funeral and burial options with consumer reviews and ratings where users are offered a wide range of selections, such as funeral packages, funeral homes, and other funeral service arrangements. The JUNBI app also has a feature that enables users to search for funeral packages or businesses that handle funeral service arrangements based on their budget allocation, making it easier for users to track and estimate their budget in order to avoid overspending. Furthermore, there is a feature that allows users to store images of funeral services and ceremonies for their relatives to view.

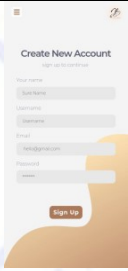
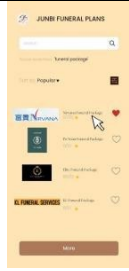
The newest feature in the JUNBI application is a live-streaming funeral video. This is suitable for those who are unable to attend the funeral in person but wish to witness the funeral ceremony, particularly family and relatives who live far away. In recent years, live streaming has grown in popularity, transforming private funerals into 'public rituals' online (Shi, 2021). Nowadays, the most popular platform for live streaming services is YouTube Live. To make the service into a live streamed video, users are only required to have an account and camera, whether using a smartphone, webcam, DSLR camera, etc. Once the user has shared the live video, friends, and family will have free access to the content, as long as they have the same application on their devices. Overall, the novelty and originality of JUNBI lie in its innovative and personalized features for managing end-of-life care, funeral arrangements, and making the process of preparing for death more accessible, streamlined, and efficient.

METHOD OF USING JUNBI

The process of coping with a loved one's death can be incredibly difficult and emotional. Organizing funeral arrangements during such difficult times can add to the already heavy burden of sorrow and grief. The emergence of JUNBI, a smooth and user-friendly application can make organizing funerals easier, in response to the demand for support in navigating the complexity of funeral preparation. The steps on how to use JUNBI is shown in Table 1 below.

Table 1. The steps of using JUNBI Mobile Apps

	Step 1: Users are required to download and install the apps from Google Play or Apple Store.		Step 6: They will be directed to the home page for the selected religion.
	Step 2: Users log in by entering their email and password for the apps.		Step 7: They will be directed to the Muslim home page if they choose the religion.

	Step 3: For new users, they can create a new account and fill in the required information.		Step 8: Users can search for funeral packages in the search bar, and there will be suggestions for funeral packages or specific businesses that handle funeral service arrangements based on GPS or the location of the users.
	Step 4: To begin, users can select language, religion and detect the location.		Step 9: Users can select what package they are interested in and available packages will appear in the search results.
	Step 5: Users can select their religion before start using the apps.		Step 10: Users can enter the details of the package they are interested in, then proceed to check out.

SOCIETAL BENEFITS

The JUNBI Funeral preparation applications provides a number of social benefits that aid individuals and communities in their arduous when preparing for funerals. First and foremost, providing and convenience. The application can ease the burden of funeral planning for individuals and families who are dealing with grief and emotional hardships. By providing a comprehensive collection of tools and resources, JUNBI enables users to navigate through the necessary work with more comfort and convenience. Another societal benefit this application can offer is emotional support. JUNBI respects the emotional toll of losing a loved one and strives to give supportive resources, including tutorial videos to help consumers to comprehend and cope with the funeral process. This can be important in bringing comfort and reassurance during a tough moment. Not only that, this software can cater to the different cultural and religious needs of its users. By adding features relevant to many religions, such as prayer citations, Qibla direction, and prayer time settings, JUNBI respects and supports individuals' religious beliefs and guarantees that their special requirements are addressed when preparing for funerals.

CONCLUSION

In conclusion, JUNBI apps provides comprehensive and convenient solutions for individuals and families who deal with the complicated processes of planning and organizing a funeral. The features of the application, either for Muslims or Non-Muslim offer users a simplified and accessible platform for navigating the various aspects of funeral arrangements. JUNBI apps help with the stress and burdens related to funeral planning by utilizing the power of technology. It allows users to make informed decisions, access necessary information, and connect with relevant service providers conveniently from their mobile devices. This not only saves time and effort but also promotes a sense of control and satisfaction during a difficult time.

ACKNOWLEDGEMENT

The authors would like to express to the Almighty Allah our heartfelt appreciation for granting us the strength and ability to carry out this innovation project within the assigned period. The authors would also like to express our gratitude to Mr. Alvin Gatu, the lecturer of Tourism Product and Innovation (HTT576), and Madam Adrianna Aziz, the project advisor for giving us this opportunity and support in completing this project.

REFERENCES

- Buchbinder, M. (2021, February 10). Society's End-of-Life Problem. Scientific American.
<https://www.scientificamerican.com/article/societys-end-of-life-problem/>
- Generous, M. A., & Keeley, M. (2017). Wished For And Avoided Conversations With Terminally Ill Individuals During Final Conversations. *Death Studies*, 41, 162–172.
 doi: 10.1080/07481187.2016.1236850
- Johnston, B. M., Milligan, S., Foster, C., & Kearney, N. (2012). Self-Care And End Of Life Care - Patients' And Carers' experience a qualitative study utilising serial triangulated interviews. *Supportive Care in Cancer*, 20, 1619–1627. doi:10.1007/s00520-011-1252-3
- Shi, T. (2021, December 30). Live Streaming Funerals: Constructing Togetherness And Belonging In The Mediatization Era, *Continuum*, 36:4, 495-507, DOI: 10.1080/10304312.2021.2023466
- Winn, Z. (2019, December 6). Planning For Death In The Digital Age. MIT News.
<https://news.mit.edu/2019/cake-planning-death-1206>

e ISBN 978-967-2948-56-8

