









LEADING THE WAY



ERNATIONAL WULLEAMARD WINNAMS INSTITUTION FOR SUSTAINABILIT



KICT TEACHING EXHIBITION



HUMANISING ICT IN EDUCATION 25 SEPTEMBER 2024 | KICT MULTI-PURPOSE HALL

KULLIYYAH OF INFORMATION & COMMUNICATION TECHNOLOGY International Islamic University Malaysia (IIUM)



INSIDE THIS ISSUE

- Editorial Board Members
- KICT TALE 2024 Event
- List of Newsletter Articles
- 36 Newsletter Articles from KICT TALE 2024

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NO.	TITLE	AUTHOR
1.	Empowering Peer Assessment in Group Pro toject: Towards Effective Collaboration and Fair Evaluation	Norsaremah Salleh
2.	Engaging Students in The Reality of Computer Networking: Transmitting Data in IP Network	Adamu Abubakar Ibrahim
3.	Enhancing Learning in Data Structures and Algorithms with VisuAlgo	Hamwira Yaacob
4.	Extended Reality Education (XR-Ed)	Aidrina Sofiadin
5.	Effective Classroom Practices to Humanize ICT in Education	Akram M Z M Khedher
6.	Using Reward Mechanism to Encourage Learners' Motivation : An Exploration of Learning Management System Features	Azlin Nordin
7.	COMPUTATION AND COMPLEXITYCONSTRUCTION AND BRIDGING COMPUTATION WITH PHILOSOPHY	Prof. Tengku Sembok
8.	GitHub Codespaces: A Modern Platform for Effective Teaching and Learning	Rizal Mohd Nor
9.	Collaborative Coding in Assembly Language: Empowering Students to Build Community- Driven Applications	Hafizah Mansor



NU.	TITLE	AUTHOR
10.	Crafting a Compelling Business Plan: A Technopreneur's Essential Tool	Nurhafizah Mahri
11.	The Impact of Early Research Engagement:Strategies for Success(The Establishment of IoTeams)	Ahmad Anwar Zainuddin
12.	From "code autocomplete" to "Al code generators"; Programming tools and resources for a web development course	Marini Othman
13.	Cybersecurity education: Developing Malaysia's Cyber Resilience	Nurul Nuha
14.	Integrating KhAIR in Usability Evaluation to Measure Effectiveness of a Website	Prof. Murni Mahmud
15.	Collaborative Flipped Classroom: A Model for Computational Courses.	Akeem Olowolayemo
16.	Hackers in the Hallway: Humanising cybersecurity through role play.	Andi Fitriah Abdul Kadir
17.	Teaching The Chaos	Siti Asma Mohammed
18.	INFO 4326 - 3D Modelling	Nurazlin Zainal Azmi
19.	Engage, Share, Connect: Introducing Discord as a Learning Platform	Nuradib Maspo



NO.	TITLE	AUTHOR
20.	Software Testing Tool: Blazemeter	Normi Sham Awang Abu Bakar
21.	Experiential Learning for INFO 4342 - Business Continuity and Disaster Recovery	Shuhaili Talib
22.	Object Oriented Programming	Dini Handayani
23.	DATANarratives: Crafting Insights: A Journey in Information Visualization Course	Madihah Sheikh Abdul Aziz
24.	A STEAM-Based Approach for the Introduction to Computer Organization Group Project	Norlia Md Yusof
25.	DATA PROFILING: HELPING TO TURN RAW DATA INTO BUSINESS INTELLIGENCE (BI)	Lili Marziana Abdullah
26.	Undergraduate Students can write & publish paper	Abdul Rahman Ahmad Dahlan
27.	Exploring Escape Room for Learner Engagement	Azlin Nordin
28.	Algorithm Design & Analysis: Nurturing Creator/Innovator Mentality vs User Mentality	Nurul Liyana Mohamad Zulkufli
29.	ICSI: Bridging the Arabic Cataloguing Gap Between Academic and Industry	Nor Saadah Md Nor
30.	Engage, Collaborate, Learn: Miro in the Classroom	Nur Leyni Nilam Putri Junurham

SOT TALE 2000

No.	TITLE	AUTHOR
31.	<u>Design Thinking - Applying design thinking in real</u> <u>world problems</u>	Elin Eliana Abdul Rahim
32.	Enhancing Engagement with DataCamp Classrooms: Transforming Online Learning Experiences	Amelia Ritahani Ismail
33.	ExPlORe: A Guided Learning Activity using Text- based Generative Artificial Intelligence Platform	Mira Kartiwi
34.	Leveraging Student Creativity in Computer Organization Through Project Mini Showcase	Noor Azura Zakaria & Ahsiah Ismail
35.	Bridging Theory and Practice in System Analysis and Design	Mimi Liza Abdul Majid
36.	INNOVATIVETEACHING METHODS AND STRATEGIES; Creative Design Technique	Muna Azuddin





KICT TALE NEWSLETTER



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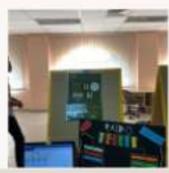


Leveraging Student Creativity in Computer Organization Through Project Mini Showcase



Encouraging creativity in students is not just about promoting innovation, but also about engaging them deeply with the subject matter. For the Computer Organization course, one effective way to achieve this is through a Project Mini Showcase. This approach not only enhances their understanding of theoretical concepts but also allows them to apply these concepts in a practical way and hands-on manner. This approach fosters creativity among students and nurture innovative thinkers and problem solvers











Objective of Project Mini Showcase

The main objective of a Project Mini Showcase lies in its ability to transform a traditional classroom into an interactive learning environment. Students are tasked with creating mini-projects that demonstrate their understanding of computer organization principles. Students actively solve problems and develop their critical thinking abilities as they work on these projects, moving beyond memorizing facts only.

Implementation of Project Mini Showcase

A few steps are involved in implementing the Project Mini Showcase:

Clear Guidelines: Provide students with clear expectations regarding project scope, presentation format, and evaluation criteria. This clarity helps them focus their efforts and output that they are going to produce during the showcase. The evaluation criteria used for the showcase are knowledge, creativity, delivery and project demonstrations.

Diverse Project Topics and Output: These projects can be of different types, such as producing a prototype, creating multimedia content, designing a simple digital circuit, and running simulations. Various topics in computer organization can be chosen, including program execution, structure and function, cache memory, internal memory, external memory, computer arithmetic, digital logic, instruction sets, addressing modes, and many more.

Feedback Opportunity: The showcase provides an opportunity to receive constructive feedback from peers, course instructors, and examiners. This process helps students identify any gaps in their projects and fosters a culture of continuous improvement. This platform also promotes a collaborative environment where students can learn from each other's projects, gaining new insights and ideas.

Celebrate Achievements: Recognize outstanding projects and creativity through awards. This approach can motivate students but also creates a positive atmosphere around learning.

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Leveraging student creativity through a Project Mini Showcase in Computer Organization offers a comprehensive educational experience. It stimulates engagement, caters to various learning styles, and connects classroom learning with practical application. By encouraging an environment that values creativity and hands-on learning, students can develop a deeper understanding of computer organization and a passion for innovation.





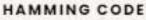






PROJECT EXAMPLE









NUMBER SYSTEM



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