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UNIVERSITI
TEKNOLOGI
MARA

What's *what* PSPM

EISSN: 2756-7729

MAC 2024/ VOL 1

UNDERSTANDING AND OVERCOMING MATH ANXIETY:
STRATEGIES FOR ACADEMIC SUCCESS !

UNLOCKING THE POWER OF NUMBERS:
WHY DO WE STUDY MATHEMATICS?

LEARNING HEAT EQUATION THROUGH GAMES

IS DATA SCIENTIST STILL THE SEXIEST JOB FOR 2024?



SMART CALCULATOR 3.0

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EXECUTIVE SUMMARY

The "Smart Calculator 3.0" workshop was held on 20th to 24th November 2023. The aimed was to explore advanced functionalities and applications of scientific calculators in learning mathematics and statistics. The program provided participants with hands-on experience and insights into cutting-edge technologies transforming the real of scientific calculators. The workshop was focused to equip participants with in-depth knowledge of advanced scientific calculator features. The primary goal was to empower participants to leverage smart calculators for enhanced problem-solving and efficiency, despite the enhanced understanding of advanced scientific calculator functionalities.

INTRODUCTION

In the era of digital transformation, calculators have evolved beyond basic arithmetic. The main problem related to students' difficulties in using scientific calculators is a combination of factors including a lack of understanding of calculator functions, challenges with inputting calculations correctly, confusion with the calculator interface, and insufficient instruction or practice. Therefore, Smart Calculator 3.0 workshop aimed to bridge the gap between traditional and advanced scientific calculator usage, and enthusiasts eager to harness the full potential of these devices. We hope this workshop can help students improve their proficiency with scientific calculators and ultimately enhance their academic performance.

The workshop's primary objectives included introducing participants to advanced calculator functionalities, exploring real-world applications, and fostering a collaborative learning environment. The participants were from Pre-Diploma and Diploma students at UiTM Cawangan Negeri Sembilan, Kuala Pilah Campus.

The program featured hands-on exercises, and interactive discussions covering advanced scientific calculator operations. Topics included solving quadratic equations, simultaneous equations (two and three unknowns), and statistics for ungrouped data. Participants apply learned skills to solve mathematical operations (Figure 1 and Figure 2).

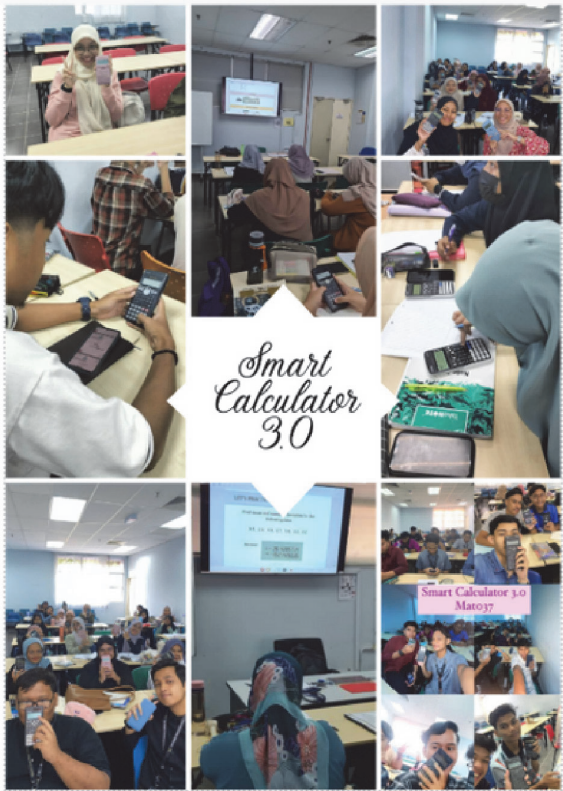


Figure 1: Participants Fully Engaged in Smart Calculator 3.0 Workshop

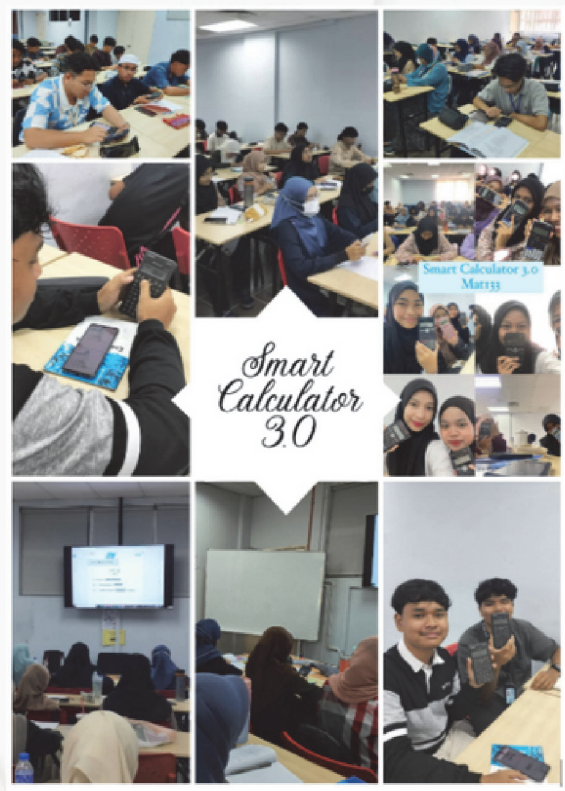


Figure 2: Facilitators demonstrating how to use a scientific calculator to students

RESULTS /ACHIEVEMENTS

Participants expressed overwhelmingly positive feedback regarding the Smart Calculator 3.0 workshop. Key testimonials highlighted the practical relevance of the content and the hands-on experience gained through interactive exercises. Many students noted that the workshop enhanced their calculator skills and provided valuable insights into the application of smart calculators in mathematical problems.

Here are some excerpts from participant feedback:

"The Smart Calculator 3.0 workshop was a game-changer for me. It not only improved my calculator skills but also guided me to solve mathematical problems correctly."

"The hands-on activities were incredibly useful. I now feel more confident in using my scientific calculator for problem-solving in my final examination."

"The workshop was engaging, and I appreciated the practical approach to learning."

CONCLUSION

The Smart Calculator 3.0 workshop successfully achieved its objectives of providing students with valuable skills using a scientific calculator to solve mathematics problems. The positive feedback received attests to the effectiveness of the workshop in enhancing participants' skills and understanding. As we wrap up this report, it is evident that workshops of this nature contribute significantly to the academic and professional growth of students.