

Cawangan Perak

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BUILDCON2023

COMPILATION OF PROJECT INNOVATION IDEAS SEMESTER MARCH – AUGUST 2023

EMBRACING SMART CONSTRUCTION TRANSFORMATION

BUILDERS' CONVENTION DAY 2023

Department of Built Environment Studies and Technology College of Built Environment Universiti Teknologi MARA Perak Branch

BUILDCON 2023 COMPILATION OF PROJECT INNOVATION IDEAS SEMESTER MARCH – AUGUST 2023



Organised by Department of Built Environment Studies and Technology College of Built Environment Universiti Teknologi MARA Perak Branch Malaysia

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Editors

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SAFETY AND COMMUNICATION GLASSES

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Safety And Communication Glasses

Innovation Idea:

This study presents the outcomes of an innovation project that focuses on the implementation of safety and communication glasses in enhancing safety and communication aspects in construction industry. The goal of this project is to explore the effectiveness and advantages of having good eye protection besides an effective communication on site. The study begins with an introduction to the significance of effective communication and the limitations of existing approaches. It then provides an overview of the safety and communication glasses, including their principles, components, and advantages. The selected methodology for this study involves 3D modelling simulations. It encompasses detailed elaborations on the design and implementation of the safety and communication glasses, including hardware selection and real-world implementation. The study concludes by discussing the implications of this innovation, highlighting its potential for wider use. In summary, this project introduces an improved product to the market, featuring a new look and better functionality, ultimately contributing to a better and safer construction environment.

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Setuju.

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