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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

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Organised by
Department of Built Environment Studies and Technology
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Malaysia

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SITE SAFETY WITH ABILITY OF ARTIFICAL INTELLIGENT CAMERA

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Site Safety With Ability Of Artifical Intelligent Camera

Innovation Idea:

Site safety with the ability of Artificial Intelligence (AI) camera highlights the integration of advanced technology to enhance safety in various work environments. This innovative solution combines AI-powered cameras with real-time monitoring capabilities to detect potential hazards and ensure the well-being of workers. The AI camera system utilises computer vision algorithms to identify safety risks, track movements, and analyse behaviours that could lead to accidents. By providing early warning alerts and enabling prompt action, the AI camera significantly improves safety management in construction sites, industrial facilities, and other hazardous locations. This innovation has garnered attention in the construction industry and among companies, as it brings many benefits and positive outcomes to safety monitoring work. Moreover, this innovation offers a comprehensive and eco-friendly solution for safety management in high-rise buildings that has zero internet connection and wide area for monitoring. The study emphasises the benefits of this technology in preventing accidents, reducing risks, and creating a safer work environment, ultimately contributing to improved safety standards and the protection of workers' rights.

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