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# Poster Book

**IIIDBEE X 2023**  
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for Built Environment and Engineering 2023*

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**Unleashing Potentials  
Shaping the Future**

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# Malaysia Crime Awareness Mapping System (MyCAMS)

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## INTRODUCTION

- Crime is a critical issue that has gained significant attention in many countries including Malaysia.
- The Malaysian government has invested in a system known as the Geographical Information System (GIS) to map the crime rate in high prospect zones.
- Crime mapping has been proposed to identify crime rate in the country.
- This project applies crime mapping to identify the crime rate in Malaysia. Data on crime for 14 states in Malaysia from 2018–2019 were obtained, with permission, from the Royal Malaysia Police or known as Police DiRaja Malaysia (PDRM) in Bahasa Malaysia.

## ISSUES/ PROBLEM STATEMENT

- Situation? Malaysia is a relatively safe country to visit. Malaysia was rank in 31st and 25th in Global Peace Ranking 2018 and 2019.
- Issue? However, crimes do happen, sometimes even involving weapons, this situation often time being neglected by people
- Solution? This project will help spread awareness among the people of this issue so people can be more careful in the future. This also help the government to enhancing the protection of citizen and contain the crime rates

## OBJECTIVES

- To help people identified type of crime in Malaysia
- To make realize people about the state of crime rate in Malaysia
- To design and develop a thematic map and multimedia web-based system of crime rates in Malaysia

## METHODOLOGY

Data for this report was collected from a range of sources, including police reports and incident logs from the Royal Malaysia Police (RMP) and the Malaysian Crime Prevention Foundation (MCPF). All reported crimes in Malaysia for the years 2018 and 2019 were included in the analysis. The data was analyzed using statistical software to identify trends and patterns in crime rate across the country. A map was then created to visually represent the findings, with each state in Malaysia assigned a color code to indicate the crime rate.

## NOVELTY

One of the key novelties of this report is the use of a map to visually represent the distribution and prevalence of crime in Malaysia. This approach allows for a more intuitive understanding of the data and makes it easier to identify trends and patterns.

## CONCLUSION

The map of crime rate in Malaysia for 2018 and 2019 highlights the distribution and prevalence of crime across the country. It shows that crime is more prevalent in urban areas and that there are some differences in crime rates between different states. The map also suggests that crime rates have remained relatively stable over the two-year period, with only slight fluctuations in some states. These findings can inform the development of targeted interventions and strategies to reduce the incidence of crime in Malaysia.

## COMMERCIALIZATION

This map has the potential to be commercially valuable for law enforcement agencies and policymakers in Malaysia, as it provides valuable insights into the distribution and prevalence of crime in the country. It could also be of interest to researchers and academics studying crime and criminal justice.

## FINDINGS

The findings of this report are presented in the form of a map, which shows the crime rate for each state in Malaysia. The map shows that crime is most prevalent in the urban areas, with higher rates of property crime and violent crime.

