Project Plan

Data Visualisation of Crash Statistics Victoria

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# Introduction

## Background

The Victoria State Accident DataSet 2015-2020 (VSADS) project aims to modernize and enhance the existing accident data collection system operated by the VicRoads. This project seeks to extend the system's capabilities to provide a user-friendly interface with advanced analytical tools to gain valuable insights from the accident data.

The VSADS project holds paramount importance for the health and safety of the Victorian population, as it provides substantial benefits not only to VicRoads but also to the broader community. By improving the quality and accessibility of accident and crash statistical data, the project will enable more informed decision-making, better resource allocation, and enhanced public safety measures.

Building on the dataset collected by VicRoads in the years 2015-2020, the VSADS project aims to construct, test, and implement an initial release of an analysis tool with the following functionality:

* For a user-selected period, display the information of all accidents that happened in the period.
* For a user-selected period, produce a chart to show the number of accidents in each hour of the day (on average).
* For a user-selected period, retrieve all accidents caused by an accident type that contains a keyword (user entered), e.g. collision, pedestrian.
* Allow the user to analyze the impact of alcohol in accidents – ie: trends over time, accident types involving alcohol, etc.
* **WE NEED TO DESIGN ONE MORE TOOL HERE>>>>>> HOT SPOT MAP with long lat data from .csv file**

With these features implemented the VSADS 2015-2020 project seeks to revamp the existing accident data collection system and provide an advanced, user-friendly platform with analytical tools for gaining valuable insights from the accident data. With the aims to ensure the successful implementation of this analysis tool, we hope that it makes a positive impact on public health and safety across the state.

## Scope

The emphasis of this document is to provide information on documentation (artefacts) that would normally be utilised in the delivery of a COTS system implementation. The document does not specify the ‘Process’ that accompanies such a methodology and as such is, in the strictest sense, not providing a complete methodology.

The artefacts can be adapted and with approval from the PMO changed to meet the requirements of the engagement.

PLEASE NOTE: The artefacts may be superseded or altered by documentation held or produced by the PMO. Please liaise with the PMO accordingly.

The emphasis of this document is to provide documentation to be utilised with the VSADS to ensure the timely delivery and implementation.

## Document contents

*Include some background information about the problem, the scope and what this document will contain.*

# Work Breakdown Structure

This topic contains a copy of the Work Breakdown Structure chart. For details refer to the Work Breakdown Structure (M036S) deliverable.



*This section should include the work breakdown structure for the whole project. The elements from the WBS should be used to generate your activity definition and those activities should then be scheduled in the Gantt Chart. Remember to consider ALL project activities – anything you do or will need to do should be included in the WBS*

*WBS’s are usually presented as some kind of hierarchical diagram/chart etc. The details what is involved each work unit should be provided in section 3:* ***Activity Definition***

*You do NOT need to do a WBS Dictionary for this project – the activity definition (whilst slightly different) will suffice. The WBS is focussed on SCOPE. The Activity definition is focussed on TIME.*

# Activity Definition & Estimation

*From your WBS, define the activities required for your project. You will revise this document and add more detail for part B as you discover more about the project.*

*Each activity should be clearly identified by a number and should match up to your Gantt chart. You should provide some estimations for the time you think each activity will take. This should make it easy to prepare your Gantt chart.*

# Gantt Chart

*This section should contain your Gantt chart. The items in the Gantt chart should match the activity definition from section 3. You should also submit your Gantt chart file separately.*