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| **Title page** | Giving the title, student name, date, degree title (Computing and Information Systems or Creative Computing), supervisor name, name of local institution attended (or write ‘Self-study’), University of London International Programmes student registration number. |
| **Introduction** | A brief statement about how you chose your Project, whether or not it is work-related, which courses from your degree programme are relevant to your Project work, and whether or not you have a supervisor. |
| **Aims and objectives** | State what questions you set out to answer (aims), the deliverables you are going to submit (each deliverable will be closely tied to an objective), and the justification for how these objectives will enable you to meet your stated aims. |
| **Methods** | State how you intend to achieve the aims and objectives, and why you intend to do it this way. |
| **Project plan** | Include a schedule detailing all of the tasks required to complete your Project (including writing each section of the Final Report), along with key milestones. This can be in the form of a Gantt chart or similar planning diagram if you wish. Large tasks should be broken down into a number of sub-tasks, each of no more than around two weeks’ duration. |
| **Progress to date** | This is a description of the work you have done up to this point. This may include, for example, a summary of literature reviewed, and a description of findings, analyses, results of calculations and experiments performed. **This section is important! Be sure to write about what you have actually done up to this point, and not just about what you plan to do**. Also, at the end of the section, include a few sentences about how your progress to date compares with your Project Plan. |
| **Planned work** | Where the Project is now and what should be done next. |
| **Appendices** | Appendices should be cross-referenced in the relevant section of the main text. No Appendix should be present unless cross-referenced from the main text. The Appendices should include any permission letters that give provenance for a work- based Project, or for access to specific organisations or materials (see Section 2.2.2 of this guide). |
| **Reference list** | Giving full publication details of all literature referred to in the PPR. See Sections 6.3 and 6.4 for format details. This list will generally be much shorter than that for the (later and much larger) Final Project Report. |

Working Project Title – The application of Data Mining and Data Warehousing within the British Transport Police.

**Introduction**

The Central Justice Unit (CJU) in London collates and records a large quantity of data that I feel contains untapped knowledge and information.

The CJU are also under-going a major change to becoming a member of the Institution for Customer Service.

With these statements in mind I am developing a project whereby I am able to utilise the knowledge gained throughout my Data Mining Module in the first semester of year 3 as well as to demonstrate data mining techniques in a live environment, to improve efficiency and knowledge of the Performance Unit’s customer base.

As part of this project I will also be researching the effectiveness of Data Warehousing and how it is used with a Police environment.

Daniel Stamate to whom I will have regular meetings with to discuss progress and possible techniques to complete an effective analysis will supervise this project.

**Aims and Objectives**

The aim of my project is to investigate, research and report Data Warehousing within a police environment and also utilise Data Mining to improve knowledge for the CJU.

The three areas I will be investigating within the CJU are:

* The inter-department relationship between the Performance Unit and the Witness Care Unit’s (WCU’s).
* The efficiency of obtaining court results by the Performance Unit
* Predict workload for the Performance Unit to ensure a resilient service is provided to the WCU’s

My first objective is to collate the data required to perform the analysis. To cluster and classify customer needs and requirements I will be utilising an on-line survey to collect quantitative data to use for analysis as well as collecting qualitative data to provide additional information on the customers requirements of the WCU’s.

To measure the efficiency of the performance unit I have made a record of each result obtained from court (downloaded from the court system Libra) since November 2011.

To assist with workload prediction I will also be using an existing record of the number of result requests that are printed each day since November 2009.

The questions I set out to answer are:

* What are the expectations of the Performance Unit from the WCU’s? and is that dependant
* Is the Performance Unit downloading/obtaining court results at the optimum time and classify the optimum time.
* What are the busiest days/months/quarter for the Performance Unit.