**CP5046 Assessment Task 1 – Project Documentation**

This assessment task has been prepared by Dr. Dmitry Konovalov for James Cook University.

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**ASSESSMENT TASKS**

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| Aligned subject learning outcomes | All |
| Group or individual | Group |
| Weighting | 20% |
| Due date | Week 7, before the workshop |

**DESCRIPTION**

This task is the **iteration-1** in terms of the Agile Software development. It defines the initial project specifications including goals, deliverables, and planning for **iteration-2 (alpha release)**.

**CRITERIA SHEET**

[\_\_\_\_\_/20 marks] Assignment is done in a group with 2-4 students. Every team member gets the same mark for this assessment item Write group members here:

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| **Student Name** | **Project role** | **Project contribution** |
| Vikash Singh | Project Manager | Responsible for setting up GitHub repository, scheduling recurring meetings, delegating tasks and setup project timeline |
| Willis Lin | Document officer | Responsible for data gathering, version control of the documents and testing of the solution |
| Kevin James | Data Analyst | Responsible for dataset pre-processing using Weka and unit testing |
| Harish Shetty | Development & Support Engineer | Responsible for writing the python code in PyCharm, finding patterns for road crashes and unit testing |

[\_\_\_\_/Prerequisite for marking] Assignment is completed using electronic copy of this document and submitted to LearnJCU electronically. One submission per team.

[\_\_\_\_\_/20 marks] Project description for non-ICT-technical stakeholders and general audience. Write here: minimum TWO pages, maximum TEN pages.

• [\_\_\_/10] Justification for the project: Why a new ICT solution is required. Include some market and ICT technology research, plus available ICT solutions.

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• [\_\_\_/5] Project goals: Describe exactly what and how your proposed ICT solution will be delivered to the client.

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| Goal Number | Goal Description |
| 1 |  |
| 2 |  |
| 3 |  |
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• [\_\_\_/5] Justify between two and four major milestones with timeline. Is your proposed schedule too ambitious (over-optimistic) or too conservative?

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[\_\_\_\_\_/20 marks] Project scope of the full final release (Project audit at the end of CP5047 subject). Clearly specify the scope of alpha release (Project audit at the end of CP5046 subject), and. Write here: Minimum TWO pages, maximum TEN pages. Available days: PASS-level (minimum) effort is 1-day and maximum are 3-days per teaching week (assume 12 weeks per study period), per team member. For example: 12 x 2 = 24 days is the minimum for a team with 2 students, 12x2x3=72 days is the maximum. The available days must match the SUM of your user story estimates below. User story 1: title, short description, effort estimate (in days, maximum of 5 days). User story 2: ...

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| **User Story Title** | **User Story Description** | **Effort Estimate** |
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[\_\_\_\_\_/20 marks] Project sponsor/client/customer signed/agreed to the scopes of the alpha-release and the final-release. Cut/Paste clients’ email here, or show signed the preceding “Project scope” to your marking lecturer.

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[\_\_\_\_\_/20 marks] Project development and release ICT infrastructure. This must include development environment, programming languages, source code repositories (Configuration Management), project collaboration tools, and development tools. Write here: minimum TWO pages, maximum TEN pages.

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• [\_\_\_/5 marks] Configuration Management/version control, e.g. git, github, heroku, bitbucket;

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• [\_\_\_/5 marks] Project tools. Programming languages/IDEs, e.g. php/WebStorm, java/IntelliJ; Building tools/procedures, e.g. git-push to heroku; e.g. how to set-up your development environment for a new team member

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• [\_\_\_/5 marks] Testing tools, data and procedures (what and how you are planning to test), e.g. junit; Client testing and access to release, e.g. domain name, domain hosting; Client training document, and procedures; Release testing tools, data and procedures (what and how you are planning to test);

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• [\_\_\_/5 marks] Prototypes are demonstrated to justify the proposed ICT solutions;

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**APA Reference**