**Schedule - Student Undertaking**

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| 1. **Student Name** | Arjun Padmanabha Pillai | | | | **S-number** | | 3887231 | | | |
| 1. **Partner** | Eliiza Pty Ltd  Supervisor: Goran Stojkoski | | | | **ABN** | | 42 622 520 594 | | | |
| 1. **Activity** | Traffic Management in Smart Cities - Stream Processing of Taxi Data | | | | | | | | | |
| **Location** | Online | | | | | | | | | |
| **Days / Hours** | 20 hours/week | | | | **Est. total hours** | | | 240 hours | | |
| **Activity Details** | You will first be required to complete a Data Engineering certification course in GCP. After completion of the course you should have enough knowledge to work with technologies such as Dataflow, Cloud Spanner, Big Query etc.  You will then use the New York Taxi data in GCP to create emulated streaming data to create a traffic management product.  It’s up to you how to make use of and best aggregate the data.  For example you might create a live dashboard that shows the number of active taxi trips, average number of passengers per vehicle, average fare distance etc.  You might also want to make this information available via an API.  It up to you!  Project Deliverables: Analytics interface, could be an API or a dashboard in looker summarising the aggregated data. This type of tool would be useful for taxi companies, city planners, public transport managers, autonomous vehicle research etc. | | | | | | | | | |
| **Supervision** | 1-2 Meetings weekly | | | | | | | | | |
| 1. **RMIT Contact** | Tomas Turek, Senior Industry Fellow, [tomas.turek@rmit.edu.au](mailto:tomas.turek@rmit.edu.au) | | | | | | | | | |
| 1. **Start Date** | 25/7/2022 | | | **End Date** | | 28/10/2022 | | | | |
| **Year Level** | 2 | **Semester** | Sem 2 | **Program Code** | | MC267 | | | | |
| **Course Name** | Data Science PGRD Project | | | **Course Code** | | COSC2667 | | | **Class No.** | n/a |

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| **6 Intellectual Property (IP) ownership** |
| 1. The Student assigns all right, title & interest to the IP they create in the course of the Activity to the **Partner**, except that the Student retains their background IP, & their copyright in any thesis relating to the Activity. The Student will do all such acts to effect this assignment, including executing any required documents. 2. To the extent permitted by law, the Student consents to acts which would otherwise infringe their moral rights (eg right of attribution of authorship & integrity & right against misattribution) in relation to the assigned IP. 3. Subject to the Partner’s reasonable instructions to maintain confidentiality & privacy: the Student may submit & publish their thesis; & the Partner grants the Student a royalty-free, perpetual, non-exclusive licence to use & reproduce the assigned IP for the Student’s assessment (including projects, assignments, & reports), &, for use in the Student’s resumes or online folios.   The Partner’s instructions may include a reasonable time limit on publishing IP to the general public, or removing commercially sensitive or identifying information.   1. **IP** includes intellectual property rights, inventions & improvements, trade marks, copyright materials, designs, & the right to apply for such or register such rights, & any materials, plans, drawings, models, prototypes, structures, products, specimens, software, reports, research projects, documents, publications or communications. To the extent this Agreement is inconsistent with RMIT’s IP Policy, this Agreement prevails. |

This Undertaking is made by the Student in favour of RMIT & the Partner. In consideration for the provision of the Activity, the Student agrees:

1. to undertake the Activity to the best of their abilities & to assign the IP as outlined above;
2. acknowledge RMIT may be required to provide their contact details to Partners for the purposes of the WIL Activities, & that such information will be kept confidential by the Partner;
3. endeavour to obtain experience, training & skills in undertaking the Activity as a part of the Program;
4. comply with the Partner’s policies & rules, including on workplace behaviour, occupational health & safety, & client or staff confidentiality & privacy, & the Partner’s reasonable directions; as well as all RMIT’s policies, & any manuals or guidelines provided in relation to the Program & materials relating to participating in WIL Activities which include placements, projects or activities;
5. not communicate, publish or release any confidential information of the Partner or RMIT & will keep all such information strictly confidential. Confidential information includes personal information or health information, & can be oral, written or in electronic format. Obligations of privacy & confidentiality continue even after the Activities or the Agreement have ended; & return to the Partner all its property & documents at the end of the Activity;
6. apply for, obtain or otherwise complete any required approvals, licences, immunisations, police checks, working with children checks or registrations if they are necessary for the Activity or reasonably required by the Partner, in accordance with the required timelines, which may be prior to starting the Activity; & I will inform RMIT if there is any relevant change in the status of these licences, registrations or approvals (including police check) during the relevant period of validity;
7. consider informing both RMIT & the Partner of any medical condition or disability that may affect work performance or require reasonable adjustments by the Partner & RMIT;
8. enter into an appropriate contract with the Partner if the Student is paid for the Activity;
9. if the Activity is located outside Australia, register & comply with the requirements of RMIT’s Global Experience Office;
10. (j) if the Student is studying in Australia under a student visa, that they have investigated whether the Activity is registered as mandatory work hours for their Program on the Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS), they have ensured that undertaking the WIL Activity does not impact the status of their visa by exceeding the maximum working hours allowed under their visa;
11. acknowledge & accept that verification of their identity as the maker of this Undertaking is determined by reference to their email address; & the address used to electronically send this Undertaking provides the nexus to identify them.

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| I have read & agree to this Student Undertaking. | |
| Signature /  type name | Arjun Padmanabha Pillai |
| Date | 24th July, 2022 |