

| RISK   | LIKLIHOOD | SEVERITY | MIGITATION   |
|--|-----------|----------|--|
| PERSONAL   |           |          |  |
| <b>Illness:</b> severe and extended period of illness  | Low       | serious  | Seek medical help immediately and claim extenuating circumstances for the period of illness.   |
| Stress and Mental Health issues  | Low       | Serious  | Seek advice immediately and relax yourself by meditating. If mental health issue is severe, seek counselling. Claim extenuating circumstances.   |
| Global & National  |           |          |  |
| Global Pandemic: Either new variant of covid 19 resulting in lock down to study from home  | Moderate  | High     | Work and study from home and use recorded data from the web and perform analysis. Use VM horizon in need of a power machine. Keep up with the module supervisor on the project using Zoom. |
| Teaching and Staff Strikes: Strikes due to disagreement between university union and teaching union resulting in disruption of the project access. | Moderate  | Low      | Pre plan such these events to arrange any meeting earlier. Any technical equipment access means an alternative task should be carried out to compensate the project timeline.              |
| System interruption  |           |          |  |
| Faulty in computation device resulting in data loss  | High      | High     | Regularly backup data in safer location and evidence every step undertaken in the project.   |
| Problems in assignments due to connection and system issues  | Moderate  | serious  | Always start the assignments early and finish early before the deadline. Backup and hand in temporary assignment document and update.  |
| System corruption when downloading spectral Python Packages.   | Moderate  | High     | Backup data regularly and use Linux virtual machine when installing spectral python.   |
| Health and safety  |           |          |  |
| Injury by burns and irritation caused by the hot bright filament lights of the Hyperspectral Imager  | High      | Serious  | Wear specialised glasses and gloves given to protect from such injuries  |
| Falling over by wires and electrocution.   | Moderate  | High     | Keep wires organised and be aware of the environment.  |
| Hardware and software  |           |          |  |

|   |          |          |  |
|---|----------|----------|--|
| Hyperspectral Imager being expensive, and no replacement will be given.   | Moderate | serious  | Approach with extreme care when working with imager and understand the subsystem before performing an operation to avoid damaging the Imager           |
| Network and connection issues   | Moderate | High     | Run diagnostics and understand and resolve issues. In the instance of no possible independent solution seek help from the IT services and maintenance. |
| Common  |          |          |  |
| Back pain by staying in sitting positions and extensive screen time leading to heading to eye discomfort and shoulder pains | Moderate | Moderate | Relax, meditate and take regular breaks when undertaking the project and lead a balanced healthy lifestyle by walking and excising. Sleep well.        |
| Intellectual property and property rights   |          |          |  |
| Project leading to similar projects that had been commenced earlier and project structure looking similar.                  | Moderate | High     | Make background research on similar projects and understand and undertake independent work and lead a creative and leading-edge project.               |
| Disagreement over project rights and licensing.   | Low      | High     | Keep evidence of the project to prove the right to own the project sources and materials.  |

Low

Moderate

High

Serious