

| RISK | LIKLIHOOD | SEVERITY | MIGITATION |
|--|-----------|----------|--|
| PERSONAL | | | |
| Illness: 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 | | | |

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| 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