# Subject Description Form

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|---|---|
| **Subject Code** | COMP5925 |
| **Subject Title** | Metaverse Project I |
| **Credit Value** | 3 |
| **Level** | 5 |
| **Pre-requisite/ Co-requisite/ Exclusion** | Nil |
| **Objectives** | The objectives of this subject are to:<br><br>1. provide a student with the opportunities to apply and integrate his/her knowledge acquired throughout the master's study;<br><br>2. equip the capabilities of a student in developing the idea of disruptive applications, innovative business models, life-changing products and solutions; and<br><br>3. train students with skills in pitching a new idea to investors. |
| **Intended Learning Outcomes** <br> *(Note 1)* | Upon completion of the subject, students will be able to:<br><br>Professional/academic knowledge and skills<br><br>a) conduct literature survey(s) to locate materials and sources relevant to the selected Metaverse Technology;<br><br>b) understand the materials obtained and connect the materials with the industrial need to be solved;<br><br>c) assimilate and apply the knowledge learnt in generating good solutions to the problem; and<br><br>d) develop a pitch proposal and POC (Proof of concept).<br><br>Attributes for all-roundedness<br><br>e) improve presentation and communication skills via the pitching process;<br><br>f) develop the ability to learn independently and to find/integrate information from different sources required in solving real-life problems;<br><br>g) manage the project efficiently and effectively through the supervision of supervisor(s); and<br><br>h) (h) work collaboratively with related parties (e.g. vendors, sponsor company, technical support staff, team-partners, research students, etc.). |
| **Subject Synopsis/ Indicative Syllabus** <br> *(Note 2)* | 1. In-depth Study of a Topic Typically Proposed by the supervisors<br>2. Project Meeting and Planning<br>3. Pitching Proposal Writing |

| | 4. Regular Progress Checking and Reporting |
| | 5. POC (Proof of concept) |
| | 6. Presentation and Demonstration |
| | 7. Metaverse Project I are normally proposed by academic staff of the department and in conjunction with external organizations. However, students may propose a topic along an area of their interest contingent upon the condition that they could find an interested academic staff and industrial mentor to supervise the project. Each student will be assigned at least one supervisor who is in charge of the entire project. |

| **Teaching/Learning Methodology** *(Note 3)* | Students are required to work in a group of up to 4 members. Each group is supervised by a faculty member and an industrial mentor. Students are expected to show initiative to understand the need of industry and prepare a pitching proposal and a POC (Proof of concept). They are required to hold regular meetings with the supervisors, at least once per fortnight, and produce regular progress reports as an integral part of the project documentation. |

**Assessment Methods in Alignment with Intended Learning Outcomes**

*(Note 4)*

| Specific assessment methods/tasks | % weighting | Intended subject learning outcomes to be assessed (Please tick as appropriate) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | a | b | c | d | e | f | g | h |
| 1. Continuous Assessment | 100 % | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Total | 100 % | | | | | | | | |

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

The Metaverse Project I will be accessed by the supervisor and industrial mentor. Attributes to be assessed include, but not limited to, Problem Identification, Problem Solving, Communication and Presentation, Project Management, and Self Discipline.

Metaverse Project I should be problem-oriented and there is no restriction to the nature of the problem except that it should be relevant to the student's study programme.

The project could be practical, academic or a hybrid in which the student is encouraged but not constrained to have some original contributions. Each student has to submit a pitching proposal, a POC(Proof of concept). The proposal must be approved by the supervisor and the industrial mentor before the student can proceed to the Metaverse Project II. An oral presentation and demonstration are essential at the end of the project.

| Student Study Effort Expected | Class contact: | |
|---|---|---|
| | ▪ Lectures | 4 Hrs. |
| | ▪ Tutorials and Labs | 2 Hrs. |
| | Other student study effort: | |
| | ▪ Searching and reading materials, meeting with supervisor / others, design and system development, testing, documentation, presentation, etc | 100 Hrs. |
| | Total student study effort | 106 Hrs. |
| Reading List and References | 1. Inside the black box of business incubation: Study B—scale assessment, model refinement, and incubation outcomes. Hackett, Sean M ; Dilts, David M. 2007 | |
| | 2. Start-up guide for the technopreneur financial planning, decision making, and negotiating from incubation to exit. Shelters, David. 2013 | |
| | 3. Business Incubation Strategy of High-Tech Venture Firms in a Science Park. Oh, Deog-Seong. 2013 | |
| | 4. Proceedings of the SLACTIONS 2011 Research Conference : life, imagination, and work using metaverse platforms. Herold, DK. 2012 | |
| | 5. Navigating the Metaverse. John Arkontaky ; Tommaso Di Bartolo ; Cathy Hackl ; Dirk Lueth. 2022 | |