

INFO 7017 POSTGRADUATE PROJECT B

Credit Points 10

Legacy Code 301385

Coordinator Jianhua Yang ([https://directory.westernsydney.edu.au/search/name/Jianhua Yang/](https://directory.westernsydney.edu.au/search/name/Jianhua%20Yang/))

Description This project based unit is a continuation of unit Postgraduate Project A. Students are expected to work individually under the supervision of academic staff to solve a research problem and deliver the final outcomes on the research topics they selected in Postgraduate Project A. Students will carry out the research plans, employ the identified methodologies, and fulfil the research objectives within the defined scope. Students will acquire problem solving skills and research experience necessary to participate in a future research projects. To complete their project each student is required to deliver an oral presentation and a final written report detailing the outcomes of their research project.

School Computer, Data & Math Sciences

Discipline Information Technology, Not Elsewhere Classified.

Student Contribution Band HECS Band 2 10cp

Level Postgraduate Coursework Level 7 subject

Co-requisite(s) INFO 7016

Equivalent Subjects ENGR 7015 - Master Project 2

Restrictions

Students must be enrolled in a postgraduate program.

Assumed Knowledge

Fundamentals of software or information systems management, Knowledge in research methodology and Skills in literature review and oral presentation.

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Conduct continuous review of existing literature in the fields of ICT, DS, AI, and Mathematics to identify the relevance to the proposed research project.
2. Execute a prepared research plan using appropriate methodologies.
3. Evaluate research findings against intended project outcomes.
4. Articulate research results in professional/formal and informal formats and contexts.
5. Apply self-management skills in executing research in computing contexts.
6. Demonstrate research ethics in synthesising complex information from a range of sources and referencing appropriately.

Subject Content

There are no formal lecture sessions for this subject. The subject content covers the following research activities. However, it may also be recommended by the subject coordinator/project supervisor for a specific research project.

- Literature review: further review and appraise the current literature related to the study topic.

- Implementation of research methodology: the research plan and methodology that have been established in Postgraduate Project A are implemented in this subject. Students may carry out the experimental work or numerical simulations or theoretical analysis or field studies.
- Analysis and discussion: conduct detailed quantitative and qualitative analyses of the data collected and discuss the results.
- Reporting: produce a complete dissertation and present the final findings clearly stating the student's own original contribution to the study topic.

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Item	Length	Percent	Threshold	Individual/ Group Task
Presentation	20 minutes	20	N	Individual
Report	1,500 - 2,500 words (includes figures, formulas, tables)	20	N	Individual
Report	7,500 to 15,000 words (includes figures, formulas, tables)	60	N	Individual

Teaching Periods

Autumn

Parramatta - Victoria Rd

Day

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View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=INFO7017_22-AUT_PS_D#subjects)

Spring

Parramatta - Victoria Rd

Day

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View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=INFO7017_22-SPR_PS_D#subjects)