Master of Information Technology Project Management

Library research skills and resources

Goals for today's session:

- Services and resources available to you
- Reliable information sources
- Search strategies
- Overview of the tools/databases
- Effective information management & referencing

Services - The Library website

- Referencing and APA
- Workshops
- Library Guide – How to ‘Library’>Information on your subject>Computer Science or Business
- Get items from other libraries (InterLibrary Loan) – ArticleReach

Information sources

Understand the context of your research. Review work previous done on your subject. Use credible and reliable sources!
Reliable information

Is it reliable (check the author/publisher), up-to-date and on topic?

Peer-reviewed journal articles are essential for academic research. They provide:

- Authoritative
- High quality/robust methodology
- Indexed in specialist databases
- Up to date
- International comparison

Search strategies

Some problems when searching for information:

- Not finding enough information
- Getting too many results
- Finding information that is not on topic

Develop a strategy

- Identify keywords and concepts
- Use search techniques and database features
- Use Boolean operators
- Search appropriate subject databases
- Manage your results - keep a record of where you searched and the keywords

Keywords and concepts

- List keywords
- Find synonyms or similar terms for the same thing

Example

<table>
<thead>
<tr>
<th>Procure*</th>
<th>“information technology”</th>
<th>“project management”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchasing</td>
<td>IT</td>
<td>Project*</td>
</tr>
</tbody>
</table>

Truncation – procure* for procure, procures, procurement

Phrase search - “project management” to ensure two or more words are searched together

Boolean searching – use connectors to join terms together

1. Procure* OR purchas* - search results contain all hits for procure* or purchas*
2. “information technology” OR IT - search results contain all hits with construction OR building
3. “project management” – search results contain all hits with “project management”

Put them together with AND to get hits with all three sets.

(Procure* OR purchas*) AND (“information technology” OR IT) AND “project management”
<table>
<thead>
<tr>
<th>Database</th>
<th>Search</th>
<th>Number of results</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Library Search – scholarly articles from 2015</td>
<td>(Procure* OR purchaser*) AND (&quot;information technology&quot; OR IT) AND &quot;project management&quot;</td>
<td>10,262</td>
<td>Need to narrow this with more specific concepts/keywords.</td>
</tr>
<tr>
<td>Business Source Complete</td>
<td>(Procure* OR purchaser*) AND (&quot;information technology&quot; OR IT) AND &quot;project management&quot;</td>
<td>226</td>
<td>Narrowed to abstract and keyword. Check keywords in thesaurus for more terms.</td>
</tr>
<tr>
<td>Scopus – articles from 2015</td>
<td>(Procure* OR purchaser*) AND (&quot;information technology&quot; OR IT) AND &quot;project management&quot;</td>
<td>92</td>
<td></td>
</tr>
</tbody>
</table>

Check the Library guide to see which databases might be useful:
https://aut.ac.nz.libguides.com/engineering_masters

**Library Search**

Try Library Search and narrow your results. This will give you an idea of which databases might be useful for your searches.

![Library search](https://aut.ac.nz.libguides.com/engineering_masters)
- Limit your results to **scholarly (peer reviewed) journals**.
- Download articles or select and email them to yourself.

**Google Scholar**
Go to Google Scholar from the Library website to ensure you can access full text for free.

**Scopus**
Scopus is an indexed database of peer-reviewed research. Use Scopus to find quality articles.

Do a search and use the ‘Refine’ features particularly ‘Keyword’.

**Business Source Complete**
This database is good for a business perspective.

Check their thesaurus for terms.

**New Zealand Information**
- Australia/New Zealand Reference Centre
- INNZ (Index New Zealand)

**Information not available from a Library database**
Use ArticleReach [https://library.aut.ac.nz/how-to-library/get-items-from-other-libraries](https://library.aut.ac.nz/how-to-library/get-items-from-other-libraries)
Or contact your Librarian Anna Matich anna.matich@aut.ac.nz

**Manage your information**

For a literature review it is helpful to keep a record of the good articles you want to use. This will provide a quick guide when you are writing.

**Example**

<table>
<thead>
<tr>
<th>Article</th>
<th>Database/location</th>
<th>Topic</th>
<th>Page no.</th>
</tr>
</thead>
</table>


How to prepare a literature review and reading grid https://library.aut.ac.nz/doing-assignments/literature-reviews and https://library.aut.ac.nz/doing-assignments/reports.

You can also use a reference manage such as **EndNote** (attend a workshop).

You will be expected to reference using a recognised reference style. If your supervisor does not specify use APA 6th edition. Library guide http://aut.ac.nz.libguides.com/APA6th

Activity: Try some searches in Library Search or a specific database.

Questions?

*Help*

Contact if you would like to meet - Anna Matich anna.matich@aut.ac.nz