

Library Bibliographic Services
Cataloguing Scholarly Information
Print format >> Digital format

- Monographs
- Reference books
- Theses, Dissertations
- Standards
- Patents
- Manuals
- Reports
- Journal articles
- Conference papers
- News articles, Reviews
- Statistics, Time-series
- Art images
- Animation
- Maps
- Music
- Audio books
- Movies
- Video

DR-NTU
(Digital Repository @ Nanyang Technological University)

Open Access

- Faculty publications
- Conference papers
- Journal articles

Restricted Access

- Post graduate Theses, Dissertations
- Undergraduate Student Final Year Reports

Enhances user navigation

Subject Metadata

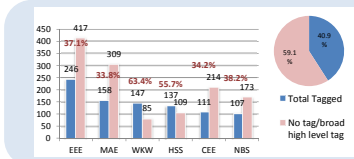
Facilitates browsing & searching of collection by subject terms

• Users can browse subject categories

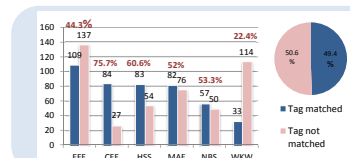
• Users can search using subject taxonomy

Library Subject Taxonomy

- 0 Business
- 1 Engineering
- 2 Agricultural engineering
- 3 Designing
- 4 Chemical engineering
- 5 Chemical engineering
- 6 Civil engineering
- 7 Construction technology
- 8 Construction technology
- 9 Spatial information/surveying
- 10 Structures and design
- 11 Transportation
- 12 Water resources and management
- 13 Faculty and electronic engineering
- 14 Maritime studies
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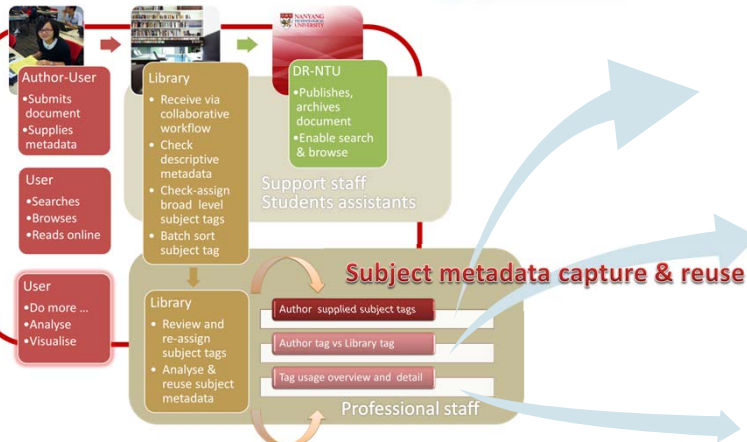
Subject metadata indicates how many users subject tagged their submissions; this data may indicate author-user interest in subject tagging



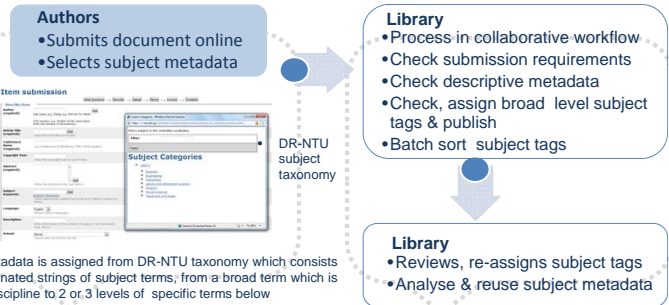
Subject metadata indicates how many author-user subject tags match Library tags; this data may indicate the ease of use of the subject taxonomy



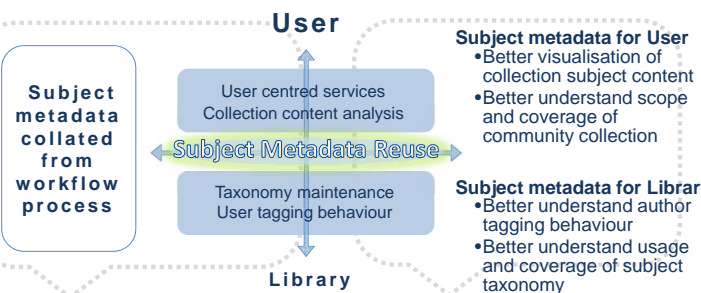
Subject category distribution is useful for content analytics (collection profile indicators) and taxonomy maintenance (monitor high use for sub-categorization at higher level)



Workflow



• Subject metadata is assigned from DR-NTU taxonomy which consists of pre-coordinated strings of subject terms, from a broad term which is a subject discipline to 2 or 3 levels of specific terms below



Subject metadata for User

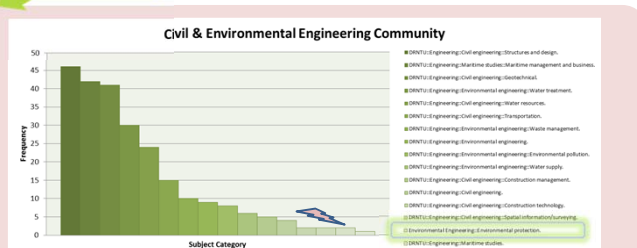
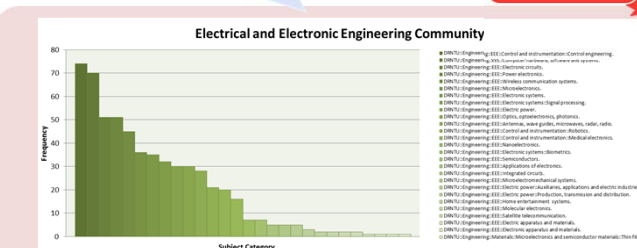
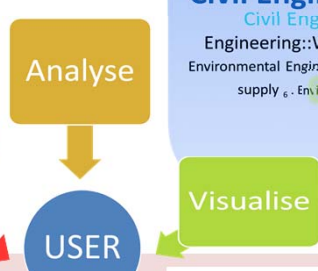
- Better visualisation of collection subject content
- Better understand scope and coverage of community collection

Subject metadata for Library

- Better understand author tagging behaviour
- Better understand usage and coverage of subject taxonomy

Materials :: Microelectronics and semiconductor materials :: Thin films .
 EEE::Molecular electronics . EEE::Electric power::Production, transmission and distribution . EEE::Electric power::Auxiliaries, applications and electric industries . EEE::Integrated circuits . EEE::Applications of electronics . EEE::Semiconductors . EEE::Nanoelectronics .
 EEE::Antennas, wave guides, microwaves, radar, radio . EEE::Optics, optoelectronics, photonics . EEE::Electronic systems .
 EEE::Power electronics .
 EEE::Computer hardware, software and systems . EEE::Control and instrumentation::Control engineering .
 EEE::Electronic circuits . EEE::Wireless communication systems . EEE::Electronic systems::Signal processing . EEE::Electric power .
 EEE::Control and instrumentation::Robotics . EEE::Control and instrumentation::Medical electronics . EEE::Electronic systems::Biometrics .
 EEE::Microelectromechanical systems . EEE::Satellite telecommunication .
 EEE::Home entertainment systems . EEE::Electric apparatus and materials .
 EEE::Electronic apparatus and materials .

Civil Engineering . Civil Engineering::Construction Management .
 Civil Engineering::Construction technology . Civil Engineering::Spatial information/surveying .
 Civil Engineering::Transportation . Environmental Engineering::Water treatment . Maritime Studies::Maritime management and business .
 Civil Engineering::Geotechnical .
 Civil Engineering::Structures and design .
 Civil Engineering::Water resources . Environmental Engineering::Waste management . Environmental Engineering .
 Environmental Engineering::Environmental Pollution . Environmental Engineering::Water supply . Environmental Engineering::Environmental protection . Maritime studies .



• Users can visualise subject content of community research output

• Users can visualise new emerging areas of research activity

• Subject metadata from about 582 documents consisting of student reports and thesis from the EEE student community last year were collated by the number of items under each subject tag and represented graphically or by using cloud tags as shown here. This will give an insight of the project activities of that selected community

• A snapshot visualisation analysis of 247 items from the School of CEE in the past year reveals specialised niche areas of research, as indicated by the long tail subject categories at end of graph or by the smaller cloud tags. We hope that students will find this report useful when selecting topics for their projects