

Library Subject Guide – Software Engineering

UOW Malaysia KDU Library collections can be found via Library catalogue either in print or electronic.

1) Quick Guide

1.1 Call number

Call numbers for Software Engineering:

Call number	Subject
Q300-Q390	Cybernetics, Artificial Intelligence
QA75 – QA76.952	Computer Science
QA75.5 – QA76.95	Electronic Computers, Computer Programming and Computer Interfaces Programming
QA76.7 - QA76.73	Programming Languages
QA76.75 – QA76.765	Computer Software
QA76.758 - QA76.76	Software Engineering
QA76.77	Operating System (Computer)
TA345 - TA347	Computer-aided Engineering
TK1-TK 9971	Electrical Engineering. Electronic.
TK5101 – TK6720	Telecommunication, Computer Networks
TK7800-TK7895	Electronics, Computer Engineering and Computer Hardware

1.2 Location of the Call Number

The above call number of books of subject software engineering listed in UOWM KDU Library. The books are mainly located at:

- Open Shelf (Teo Soo Pin Library, Glenmarie – Second Floor)

1.2.1 Search and locate Library materials

User can search the titles by using our webPAC (Web Public Access Catalogue) as a tool to locate what is in the Library. You search a catalogue to see what a library has and to know where to locate the item required.

Access to our webPAC with the link below:

<http://webpac.kdu.edu.my/search/query?theme=kdu>

Users can also use Advance Search if they have the information of the “Title” and “Author” of the book, or either one.

<http://webpac.kdu.edu.my/search/advanced?theme=kdu>

1.3 Search Guides

The following links will assist you to access the several guides on how to use:

- Web Public Access Catalogue

<https://library.uowmkdu.edu.my/index.php/how-to-use-online-catalogue>

- e-Database search tips

<https://library.uowmkdu.edu.my/index.php/the-e-databases-search-tips>

- Referencing and Citation

<https://library.uowmkdu.edu.my/index.php/referencing>


- Subject guide






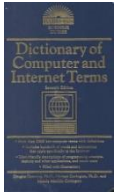


<https://library.uowmkdu.edu.my/index.php/subject-guides>

2) Reference

Reference materials such as dictionaries, encyclopaedias, and handbook can only be use inside the library.


2.1 Dictionaries & encyclopaedias

Image	Title
 No image available	The Hamlyn dictionary of computing / S. M. H. Collin <i>Call number: QA76.15 .Col 1989</i>

 <p>No image available</p>	<p><u>Computing terminology / R.V. Franks</u> <i>Call number: QA76.15 .Com 1984</i></p>
	<p><u>The cyberspace lexicon : an illustrated dictionary of terms from multimedia to virtual reality / Bob Cotton and Richard Oliver.</u> <i>Call number: QA76.15 .Cot 1994</i></p>
 <p>No image available</p>	<p><u>A dictionary of computing. (4th ed.)</u> <i>Call number: QA76.15. Dic 1996</i></p>
	<p><u>A dictionary of computing. (5th ed.)</u> <i>Call number: QA76.15. Dic 2004</i></p>
	<p><u>A dictionary of computing. (6th ed.)</u> <i>Call number: QA76.15. Dic 2008</i></p>
	<p><u>Dictionary of computer and Internet terms / Douglas A. Downing, Michael A. Covington, Melody Mauldin Covington.</u> <i>Call number: QA76.15 Dow/2000</i></p>
 <p>No image available</p>	<p><u>A dictionary of internet</u> <i>Call number: QA76.15. Inc 2001</i></p>
	<p><u>IBM dictionary of computing / c compiled and edited by George McDaniel</u> <i>Call number: QA76.15. Int 1994</i></p>

 No image available	<p>Computer dictionary and handbook / by Charles J. Sippl and Roger J. Sippl</p> <p><i>Call number: QA76.15. Sip 1980</i></p>
 No image available	<p>Home computers : a beginner's glossary and guide / Merl K. Miller and Charles J. Sippl</p> <p><i>Call number: QA76.5. Mil 1978</i></p>
	<p>McGraw-Hill personal computer programming encyclopedia : languages and operating systems / William J. Birnes, editor ; William P. Woodall, technical editor ; Nancy Hayfield, production editor.</p> <p><i>Call number: QA76.6 Macg 1989</i></p>

2.2 Handbooks

Image	Titles
	<p>The Handbook of computers and computing / edited by Arthur H. Seidman, Ivan Flores</p> <p><i>Call number: QA76.5.Han 1984</i></p>

2.3 Periodicals (Magazines / Journals)

- Electronics World








3) Books

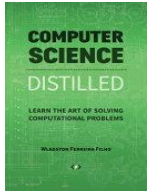

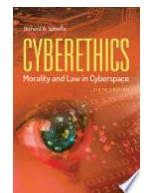
3.1 Library books

Besides searching using Online Catalogue (webPAC), user can also search the titles available under Reading List for Software Engineering programme.

The link below will lead to the page where user can search using Course ID, Course Name, Programme Name, and Title.

<http://webpac.kdu.edu.my/reserves/search?theme=kdu>

Image	Titles
	<p><u>Designing the user interface : strategies for effective human-computer interaction / Shneiderman, Plaisant, Cohen, Jacobs, Elmqvist.</u></p> <p>Call number: QA76.9.H85 Shn 2018</p>
	<p><u>iOS programming : the Big Nerd Ranch guide / Christian Keur & Aaron Hillegass.</u></p> <p>Call number: QA76.76.A65 Con 2016</p>
	<p><u>5G mobile and wireless communications technology / [edited by] Afif Osseiran, Jose F. Monserrat, Patrick Marsch.</u></p> <p>Call number: TK5103.483 .Fiv 2016</p>
	<p><u>Distributed systems : concepts and design / George Coulouris ... [et al.].</u></p> <p>Call number: QA76.9.D5 Cou 2012</p>
	<p><u>Foundations of software testing : ISTQB certification / Rex Black, Erik van Veenendaal, Dorothy Graham.</u></p> <p>Call number: QA76.3 .Bla 2012</p>
	<p><u>Software engineering / Ian Sommerville.</u></p> <p>Call number: QA76.758 .Som 2016</p>
	<p><u>Designing software architectures : a practical approach / Humberto Cervantes, Rick Kazman.</u></p> <p>Call number: QA76.758 .Cer 2016</p>

	<p><u>Computer science distilled : learn the art of solving computational problems / Wladston Ferreira Filho.</u></p> <p><i>Call number: QA76.9.A43 Fer 2018</i></p>
	<p><u>Java : an introduction to problem solving & programming / Walter Savitch ; contributor Kenrick Mock.</u></p> <p><i>Call number: QA76.73.J38 Sav 2018</i></p>
	<p><u>Cyberethics : morality and law in cyberspace / Richard A. Spinello, Ph.D., Boston College, Dedham, Massachusetts.</u></p> <p><i>Call number: TK5105.875.I57 Spi 2017</i></p>

3.2 Ebooks

Ebook can be search in webPAC or use the following books collection to search for your topics.

- [ProQuest Ebook Central](#)
- [EBSCOhost eBook Collection](#)

3.3 Other open source ebooks resources

➤ **Directory of Open Access Books (DOAB)**

A growing collection of nearly 3000 online, open access scholarly books. The primary aim of DOAB is to increase discoverability of Open Access books.

<https://www.doabooks.org>

➤ **BCcampus OpenEd**

Search for quality open textbooks offered in a variety of digital formats; the first step in adopting open educational resources. Search by subject and download them to your computer.

<https://open.bccampus.ca/>

➤ **Ebooks and textbooks from bookboon.com**

Very easy-to-use platform that can be accessed online and offline. All authors are vetted, and the books are peer-reviewed, by the California State University, so it can be assured that all learning content meets the highest quality standards.

<https://bookboon.com/>

➤ **InTech Open**

Leading global publisher of Journals and Books within the fields of Science, Technology and Medicine. Built by scientists, for scientists to provides a collaborative environment for peer-reviewed scientific content and book publishing of academic research, giving scientific thinking its home.

<https://www.intechopen.com/books>

➤ **MIT OpenCourseWare textbooks**

An index to the online textbooks in MIT OpenCourseWare. Each link goes to a course or resource page that contains the textbook files.

<https://ocw.mit.edu/courses/online-textbooks/>

➤ **Libretexts**

A non-profit organization committed to freeing the textbook from the limitations and costs of traditional textbooks with open and freely accessible LibreTexts that can provide a more engaging learning experience for students without the financial burden.

<https://libretexts.org/index.html>

➤ **OpenSUNY Textbooks**

An open access textbook publishing initiative established by State University of New York libraries that published high-quality, cost-effective course resources by engaging faculty as authors and peer-reviewers, and libraries as publishing service and infrastructure.

<https://textbooks.opensuny.org/>

➤ **Open Textbook Library**

Open textbooks are textbooks that have been funded, published, and licensed to be freely used, adapted, and distributed. These books have been reviewed by faculty from a variety

of colleges and universities to assess their quality. These books can be downloaded for no cost or printed at low cost. All textbooks are either used at multiple higher education institutions; or affiliated with an institution, scholarly society, or professional organization. The library currently includes 708 textbooks, with more being added all the time.

<https://open.umn.edu/opentextbooks/>

➤ **Teaching Commons**

The Teaching Commons showcases high-quality open educational resources from leading colleges and universities and makes them available to educators and students around the world. Curated by librarians and their institutions and hosted by bepress, the Teaching Commons includes open-access textbooks, course materials, lesson plans, multimedia, lectures, k-12 materials, and more. Educators and researchers can use the Teaching Commons to discover teaching materials, adopt content for their courses, or create and share their own work.

<https://teachingcommons.us/>

4) Subscribed Databases

UOWM KDU Library subscribed databases can be found here:

<https://library.uowmkdu.edu.my/index.php/online-databases>

➤ **EBSCOhost (Academic Search Complete – ASC)**

Designed specifically for academic institutions, ASC is comprehensive, scholarly, and multi-disciplinary with more than 8,500 full-text periodicals, including nearly 7,300 peer-reviewed journals.

5) Free online resources

Free online resources can be accessed through UOWM KDU library website via this link:

<https://library.uowmkdu.edu.my/index.php/external-links>

5.1 Databases

Databases	Links
<p>Directory of Open Access Journals (DOAJ)</p> <ul style="list-style-type: none">- DOAJ is a community-curated online directory that indexes and provides access to high quality, open access, peer-reviewed journals.	<p>https://doaj.org/</p>
<p>Science Direct</p> <ul style="list-style-type: none">- An information source for scientific, technical, and medical research. Over 1.2 million articles on ScienceDirect are open access, peer-reviewed and made freely available for everyone to read, download and reuse in line with the user license displayed on the article.	<p>https://www.sciencedirect.com/browse/journals-and-books?accessType=openAccess&accessType=containsOpenAccess</p>
<p>SpringerOpen</p> <ul style="list-style-type: none">- Publishes open access books and chapters across a wide range of academic fields within science, technology, medicine, the humanities and social sciences. Have the same high-level quality peer-review, production and publishing processes followed for non-open access books published by Springer.	<p>https://www.springeropen.com/books</p>
<p>Open Access Theses and Dissertations</p> <ul style="list-style-type: none">- Resource for finding open access graduate theses and dissertations published around the world.	<p>https://oatd.org/</p>

5.2 Journals

Journals	Links
<p>American Journal of Computer Science and Information Technology</p> <ul style="list-style-type: none">- An intercontinental free access, peer reviewed journal that focuses on allocating a platform and persuading transpire intellectuals and academicians worldwide to share their academic and professional knowledge in the subjects of Computer Science, Engineering, and Technology.	<p>https://www.imedpub.com/computer-science-and-information-technology/</p>
<p>Advances in Multimedia</p> <ul style="list-style-type: none">- A peer-reviewed, Open Access journal that publishes original research articles as well as review articles on the technologies associated with multimedia systems.	<p>https://www.hindawi.com/journals/am/</p>
<p>Big Data and Cognitive Computing — Open Access Journal</p> <ul style="list-style-type: none">- An international, scientific, open access journal of big data and cognitive computing published quarterly online by MDPI.	<p>https://www.mdpi.com/journal/BDCC</p>
<p>Brain Informatics</p> <ul style="list-style-type: none">- An international, peer-reviewed, interdisciplinary open-access journal published under the brand Springer Open, which provides a unique platform for researchers and practitioners to disseminate original research on computational technologies related to the human brain and cognition.	<p>https://braininformatics.springeropen.com/</p>

<p>Complex & Intelligent Systems</p> <ul style="list-style-type: none"> - Aims to provide a forum for presenting and discussing novel approaches, tools and techniques meant for attaining cross-fertilization between the broad fields of complex systems, computational simulation, and intelligent analytics and visualization. 	<p>https://www.springer.com/journal/4074</p> <p>Z</p>
<p>Computational Intelligence and Neuroscience</p> <ul style="list-style-type: none"> - Peer-reviewed, Open Access journal provides research and review papers at an interdisciplinary level, spanning the disciplines of computer science, mathematics, physics, cognitive science, and neurobiology, with the field of intelligent systems for computational neuroscience as its focus. 	<p>https://www.hindawi.com/journals/cin/</p>
<p>Computational Visual Media</p> <ul style="list-style-type: none"> - Peer-reviewed open access journal published quarterly by Tsinghua University Press and Springer under the Springer Open. It publishes original high-quality research papers and significant review articles on novel ideas, methods, and systems relevant to visual media. 	<p>https://www.springer.com/journal/4109</p> <p>5</p>
<p>Computers</p> <ul style="list-style-type: none"> - An international, open access journal which provides an advanced forum for computer sciences. It publishes reviews, regular research papers and short communications. 	<p>https://www.mdpi.com/journal/computers</p> <p>rs</p>
<p>Engineering Science and Technology, an International Journal</p>	<p>https://www.sciencedirect.com/journal/engineering-science-and-technology-an-international-journal</p>

<ul style="list-style-type: none"> - A peer-reviewed quarterly engineering journal, publishes both theoretical and experimental high quality papers of permanent interest, not previously published in journals, in the field of engineering and applied science which aims to promote the theory and practice of technology and engineering. 	
<p>Energy Informatics Journal</p> <ul style="list-style-type: none"> - This journal aims to provide a unique platform for researchers and practitioners of energy informatics in various ways and perspectives to disseminate original research on the application of digital technology and information management theory and practice to facilitate the global transition towards sustainable and resilient energy systems. 	<p>https://energyinformatics.springeropen.com/</p>
<p>Human-centric Computing and Information Sciences</p> <ul style="list-style-type: none"> - In Human-centric Computing and Information Sciences (HCIS), KIPS-CSWRG plans to publish high quality papers which cover the various theories and practical applications related to human-centric computing and information sciences. 	<p>https://hcis-journal.springeropen.com/</p>
<p>Information — Open Access Journal</p> <ul style="list-style-type: none"> - An international, scientific open access journal of information science and technology, data, knowledge and communication. 	<p>https://www.mdpi.com/journal/information</p>
<p>International Journal of Software Engineering and Computer Systems</p>	<p>https://ijsecs.ump.edu.my/</p>

<ul style="list-style-type: none"> - Dedicated to address the challenges in the areas of Software Engineering and Computer Systems, thereby presenting a consolidated view to the interested researchers in the aforesaid fields. 	
<p>International Journal of Sensor Networks and Data Communications</p> <ul style="list-style-type: none"> - An open access and peer reviewed journal, publishes unique, explicit and exemplary research papers in the area of sensor and data communication networks. 	<p>https://www.hilarispublisher.com/sensor-networks-data-communications.html</p>
<p>IPSJ Transactions on Computer Vision and Applications</p> <ul style="list-style-type: none"> - The IPSJ Transactions on Computer Vision and Applications is dedicated to publishing high-quality research articles, reviews, and letters in all areas of fundamental and applied computer vision and its applications. 	<p>https://ipsjcva.springeropen.com/</p>
<p>Journal of Big Data</p> <ul style="list-style-type: none"> - Publishes high-quality, scholarly research papers, methodologies and case studies covering a broad range of topics, from big data analytics to data-intensive computing and all applications of big data research. 	<p>https://journalofbigdata.springeropen.com/</p>
<p>Journal of the Brazilian Computer Society</p> <ul style="list-style-type: none"> - An international journal which serves as a forum for disseminating innovative research in all fields of computer science and related subjects. 	<p>https://journal-bcs.springeropen.com/</p>
<p>Journal of Composites Science — Open Access Journal</p>	<p>https://www.mdpi.com/journal/jcs</p>

<ul style="list-style-type: none"> - An international peer-reviewed open access journal on the science and technology of composites published quarterly online by MDPI. 	
<p>Journal of Computer Engineering & Information Technology.</p> <ul style="list-style-type: none"> - Focuses on the topics that include, Computer Science, Information Technology, Software Testing & Hardware Technology, Mobile Computing, Wireless Sensor networks, Web Designing, Cloud Computing, Big Data Analysis, Visual Communication System, Robotics, Embedded systems, E-Marketing, Neural Networks, Artificial Intelligence and VLSI design and testing 	<p>https://www.scitechnol.com/computer-engineering-information-technology.php</p>
<p>Journal of Computer Science & Systems Biology</p> <ul style="list-style-type: none"> - Focused on the areas such as Computer Science, Algorithm, Genetic Algorithm, Systems Biology, Computer Applications, Robotics, Artificial Intelligence, Bioinformatics, Biostatistics, Cloud Computation, Computational Sciences, and Data Mining. 	<p>https://www.omicsonline.org/computer-science-systems-biology.php</p>
<p>Journal of Cloud Computing: Advances, Systems and Applications</p> <ul style="list-style-type: none"> - Address topics that are core to Cloud Computing, focusing on the Cloud applications, the Cloud systems, and the advances that will lead to the Clouds of the future. 	<p>https://journalofcloudcomputing.springeropen.com/</p>
<p>Journal of Internet Services and Applications</p>	<p>https://jisajournal.springeropen.com/</p>

<ul style="list-style-type: none"> - Focuses on networking, communication, content distribution, security, scalability, and management on the Internet. Coverage focuses on recent advances in the state-of-the-art of Internet-related Science and Technology. 	
<p>Journal of Information Technology & Software Engineering</p> <ul style="list-style-type: none"> - A broad-based journal that provide a rapid turn-around time possible for reviewing and publishing and to disseminate the articles freely for research, teaching and reference purposes. 	<p>https://www.longdom.org/information-technology-software-engineering.html</p>

5.3 Newspapers / News

News	Links
<p>BBC – Technology</p> <ul style="list-style-type: none"> - Get the latest BBC Technology News: breaking news and analysis on computing, the web, blogs, games, gadgets, social media, broadband and more. 	<p>https://www.bbc.com/news/technology</p>
<p>Computerworld</p> <ul style="list-style-type: none"> - Computerworld focuses on empowering enterprise users and their managers, helping them create business advantage by skillfully exploiting today's abundantly powerful web, mobile, and desktop applications. 	<p>https://www.computerworld.com/</p>
<p>NZ Herald – Technology</p>	<p>https://www.nzherald.co.nz/technology/news/headlines.cfm?c_id=5</p>

<ul style="list-style-type: none"> - The latest tech news, trends and reviews. Including IT, games, computers mobile apps, and social media. 	
<p>The New York Times- Technology</p> <ul style="list-style-type: none"> - Find breaking news, tech news & multimedia on the Internet, telecommunications, wireless applications, electronics, science, computers, e-mail & the Web. 	https://www.nytimes.com/section/technology
<p>PCWorld</p> <ul style="list-style-type: none"> - PC World is a global computer magazine published monthly by IDG.It offers advice on various aspects of PCs and related items, the Internet, and other personal technology products and services 	https://www.pcworld.co.nz/
<p>Science Daily</p> <ul style="list-style-type: none"> - Features breaking news about the latest discoveries in science, health, the environment, technology, and more -- from leading universities, scientific journals, and research organizations. 	https://www.sciencedaily.com/
<p>R.S. Pressman & Associates, Inc.</p> <ul style="list-style-type: none"> - Assembled over 1800 software engineering resources to help you gather information on a variety of software engineering topics. 	http://www.rspa.com/spi/index.html
<p>Techbeacon</p> <ul style="list-style-type: none"> - Digital hub by and for software engineering, IT and security professionals sharing practical and passionate guidance to real-world challenges. 	https://techbeacon.com/

5.4 Websites

Websites	Links
<p>Software Engineering Daily</p> <ul style="list-style-type: none">- The world through the lens of software. Interviews and content about software engineering.	<p>https://softwareengineeringdaily.com/</p>
<p>Toptal blog</p> <ul style="list-style-type: none">- The Toptal Blog is the top hub for software engineers, designers, project managers, and entrepreneurs, featuring in-depth coverage of platforms and technologies, comprehensive tutorials by professional Toptal talent, and resources to help users stay on the cutting edge.	<p>https://www.toptal.com/blog</p>
<p>WWW Virtual Library: Computing and Computer Science</p> <ul style="list-style-type: none">- Gateway to online computer science resources. Click on a topic such as artificial intelligence, computer-aided design, or digital rights management to view selected resources on that topic.	<p>http://vlib.org/Computing</p>
<p>World Wide Web Consortium (W3C)</p> <ul style="list-style-type: none">- An international community that develops open standards to ensure the long-term growth of the Web.	<p>https://www.w3.org/</p>
<p>Electronic Colloquium on Computational Complexity</p> <ul style="list-style-type: none">- ECCC provides links to research reports, surveys, lecture notes, databases, & conferences dealing with computational complexity	<p>https://eccc.weizmann.ac.il/</p>

5.5 Conference Proceedings

Conference Proceedings	Links
<p>AAAI Digital Library Conference Proceedings</p> <ul style="list-style-type: none"> - Contains a number of high-quality proceedings in the field of artificial intelligence. Access conference proceedings from the Association for the Advancement of Artificial Intelligence from 1980 forward. 	<p>https://www.aaai.org/Library/conferences-library.php</p>
<p>Electronic Workshops in Computing (eWiC)</p> <ul style="list-style-type: none"> - Gives free access to the proceedings of workshops and conferences on the broadest possible range of computing topics. 	<p>https://www.scienceopen.com/collection/BCS_proceedings</p>
<p>IJCAI (International Joint Conference on Artificial Intelligence) Conference Proceedings</p> <ul style="list-style-type: none"> - Access the IJCAI Conference Proceedings from the first in 1969 to the most current. 	<p>https://www.ijcai.org/</p>
<p>International Association for Computer Information Systems</p> <ul style="list-style-type: none"> - Provides a showcase for the latest research in practice and pedagogical topics that focus on how information systems are used to support organizations or enhance the educational process. Proceeding from 2012 to 2019 	<p>https://iacis.org/conference/conference.php</p>
<p>USENIX: Compendium of Best Papers</p> <ul style="list-style-type: none"> - USENIX provides access to the best papers presented at its conferences and workshops since 1990. 	<p>https://www.usenix.org/conferences/best-papers</p>