Computing Disciplines

Force, N. C. T. (2020). Computing Curricula 2020. https://doi.org/10.1145/3467967

Belford, G. G., & Tucker, A. (2024, August 11). Computer science | Definition, Types, & Facts. Encyclopedia Britannica. https://www.britannica.com/science/computer-science

Tomljanovic, J., Turina, T. & Krelja, E., (2013). Motherboard and user experience. 689-694. https://www.researchgate.net/publication/261424537

Glass, Robert & Ramesh, Vani & Vessey, Iris. (2004). An analysis of research in computing disciplines. Commun. ACM. 47. 89-94.10.1145/990680.990686.

Michigan Technological University. (2024, May 8). What is Computer Science?

Santos, P. S. M. D., & Travassos, G. H. (2011). Action research can swing the balance in experimental software engineering. In Advances in computers (pp. 205–276). https://doi.org/10.1016/b978-0-12-385510-7.00005-9

Batini, C., Scannapieco, M. (2016). Data and Information Quality: Dimensions, Principles and Techniques. Germany: Springer International Publishing.

Elearn. (2012). Making Sense of Data and Information. (n.p.): Taylor & Francis.

Rainer, R. K., Prince, B. (2021). Introduction to Information Systems. United Kingdom: Wiley

Gupta A.K. (2010). Management Information Systems, S. Chand & Company

Al-Mamary, Y., Shamsuddin, A., Aziati, N,. (2014) The Role of Different Types of Information Systems In Business Organizations : A Review. (2014b)

Number Systems

Kempthorne, D. & Steele, A. (2014). An evaluation of different delivery methods for teaching binary, hex and decimal conversion. Journal of Applied Computing and Information Technology, 18(2).

Donzellini, G., Oneto, L., Ponta, D., & Anguita, D. (2018). Numeral Systems and Binary Arithmetic. Introduction to Digital Systems Design, 79–113. doi:10.1007/978-3-319-92804-3_3

Šikić, Z. (2008). What are numbers?. International Studies in the Philosophy of Science. 10. 159-171.10.1080/02698599608573536.

Morris, N.M. (1981). Binary Numbers and Arithmetic. In: Microprocessor and Microcomputer Technology. Palgrave, London.

Latif, S., & Qayyum, J., & Lal, Mm, & Khan, F., (n.d). Complete Description of Well-known Number Systems using Single Table.

Latif, S., & Qayyum, J., & Lal, M., & Khan, F.,. (2011). Novel Approach to the Learning of Various Number Systems. International Journal of Computer Applications. 26. 18-28. 10.5120/3116-4283

Wahed, A. (2022). NUMBER SYSTEMS AND THEIR OPERATIONS: MATHEMATICS. https://www.google.com.ph/books/edition/NUMBER_SYSTEMS_AND_THEIR_OPERATIONS/rNOIEAAAQBAJ?hl=en&gbpv=0

Rossi, L., & Thuswaldner, J. M. (2022). A Number System with Base . The American Mathematical Monthly, 129(6), 539–553. https://doi.org/10.1080/00029890.2022.2061281

Kneusal, R. (2017). Numbers and Computers. Google Books. https://www.google.com.ph/books/edition/Numbers_and_Computers/eq4ZDgAAQBAJ?hl=en&gbpv=0]

Mano, M. M. (n.d.). Digital design (3rd ed.).

Polycarpou, I. (2014) Decimal to Binary Number Conversion can be Fun. In: 2014 International Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS 2014), 21-24 July 2014, Las Vegas, USA.

Maini, A. K. (2007). Digital electronics: Principles, devices, and applications.

Thomas, A, (2023) What is Binary?

Lande, D. (2014). "Development of the Binary Number System and the Foundations of Computer

Science." The Mathematics Enthusiast, 11(3), Article 6.

Bera, M. R. (2000). Introductory Digital Systems for Engineering. South Africa: Juta.

Software & Hardware

Navneet, S. (n.d) .Computer Terminologies *https://www.google.com.ph/books/edition/Computer_Terminiologies_English/bY0WEQAAQBAJ?hl=en&gbpv=0*

JAMES, K. L. (2013). COMPUTER HARDWARE: Installation, Interfacing, Troubleshooting and Maintenance. India: PHI Learning. *https://www.google.com.ph/books/edition/COMPUTER_HARDWARE/szKRxt0ctS0C?hl=en&gbpv=1*

Tomljanovic, J., Turina, T. & Krelja, E., (2013). Motherboard and user experience. 689-694. *https://www.researchgate.net/publication/261424537*

Schmidt, C. (2019). Complete A+ Guide to IT Hardware and Software: A CompTIA A+ Core 1 (220-1001) & CompTIA A+ Core 2 (220-1002) Textbook. United Kingdom: Pearson Education. *https://www.google.com.ph/books/edition/Complete_A+_Guide_to_IT_Hardware_and_Sof/XQWjDwAAQBAJ?hl=en&gbpv=0*

Basumallik, C. (2023). What is a motherboard? Definition, types, components, and functions. Retrieved November 16, 2024, from *https://www.spiceworks.com/tech/hardware/articles/what-is-motherboard/*

GeeksforGeeks, (2024). Difference between AT and ATX motherboard. Retrieved November 16, 2024, from *https://www.geeksforgeeks.org/difference-between-at-and-atx-motherboard/*

Hasonss, (2024). Types of Motherboards *https://hasonss.com/blogs/types-of-motherboard/*

Computer Hope, (2024). What is Mini-ATX? *https://www.computerhope.com/jargon/m/mini-atx.htm*

Rajaraman, V., (1999). Super Computers. Universities Press. *https://books.google.com.ph/books?id=y9Nxe0SPeVkC&newbks=0&printsec=frontcover&dq=supercomputers&hl=en&source=newbks_fb&redir_esc=y#v=onepage&q=supercomputers&f=false*
Luketevich, B., (2024), Supercomputer *https://www.techtarget.com/whatis/definition/supercomputer*
Tauli, T., (2022). Modern Mainframe Development, "O'Reilly Media, Inc." *https://books.google.com.ph/books?id=BZ1kEAAAQBAJ&newbks=0&printsec=frontcover&dq=mainframe+computers&hl=en&source=newbks_fb&redir_esc=y#v=onepage&q=mainframe%20computers&f=false*
Sanderson, P., (2014), Minicomputers, Newnes, *https://books.google.com.ph/books?id=UEmeBQAAQBAJ&newbks=0&printsec=frontcover#v=onepage&q&f=false*
Wright, G., & Shea, S., (n.d), What is a Microcomputer?, TechTarget *https://www.techtarget.com/iotagenda/definition/microcomputer*
Lawless, W., (2019), Microcomputers and their Applications for Developing Countries, Routledge *https://books.google.com.ph/books?id=pXekDwAAQBAJ&newbks=0&dq=micro+computer&source=gbs_navlinks_s*
Kanade, V., (2023), Tech General What Is a Server? Definition, Types, and Features, Spiceworks *https://www.spiceworks.com/tech/tech-general/articles/what-is-a-server/*
GeeksForGeeks., (2024), Difference between Micro Computer and Mini Computer *https://www.geeksforgeeks.org/difference-between-micro-computer-and-mini-computer/*
Rosenberg, R., (2013), The Social Impact of Computers, Elsevier *https://books.google.com.ph/books?id=JX2LBQAAQBAJ&dq=impact+of+computers&lr=&source=gbs_navlinks_s*
Khan, M., (2016), Impact of Computers on Society *https://www.linkedin.com/pulse/impact-computer-society-muhammad-ibtehaj-khan*
Schneidewind, N. F. (2012). Computer, Network, Software, and Hardware Engineering with Applications. Germany: Wiley.

Berger, A. S. (2005). Hardware and computer organization. Newnes
JAMES, K. L. (2013). COMPUTER HARDWARE: Installation, Interfacing, Troubleshooting and Maintenance. India: PHI Learning.
Bangia, R. (2008). Computer Fundamentals and Information Technology. Firewall Media
Clements, A. (2006). Principles of computer hardware. Oxford University Press, USA.
Wilson, K. (2022). Exploring Computer Hardware: The Illustrated Guide to Understanding Computer Hardware, Components, Peripherals & Networks. United Kingdom: Elluminet Press.
Mei, H., Cao, D.-G., & Yang, F.-Q. (2006). Development of Software Engineering: A Research Perspective. Journal of Computer Science and Technology, 21(5), 682–696. doi:10.1007/s11390-006-0682-8
Sison, R., Jarzabek, S., Hock, O. S., Rivepiboon, W., & Hai, N. N. (2006). Software practices in five ASEAN countries. , 1, 628–631. https://doi.org/10.1145/1134285.1134378
Bangia, R. (2008). Computer Fundamentals and Information Technology. Firewall Media.
Blum, E. K., Aho, A. V. (2011). Computer Science: The Hardware, Software and Heart of It. Netherlands: Springer New York
Purwanto, A. & Tawar,. (2024). Investigating The Role of the use of computer Hardware , software and lecturer involvement on online universities student satisfaction.
Masuadi, E., Mohamud, M., Almutairi, M., Alsunaidi, A., Alswayed, A. K., & Aldhafeeri, O. F. (2021). Trends in the Usage of Statistical Software and Their Associated Study Designs in Health Sciences Research: A Bibliometric Analysis. Cureus, 13(1), e12639. https://doi.org/10.7759/cureus.12639
McMurray, P., & Hoover, L. W. (1984). The educational uses of computers: Hardware, software, and strategies. Journal of Nutrition Education, 16(2), 39–45. doi:10.1016/s0022-3182(84)80122-3
Schindler, L. A., Burkholder, G. J,. Morad, O. A., Marsh, C. (2017), Computer-based technology and Student Engagement: a Critical review of the Literature. International Journal of Educational Technology in Higher Education
Baptista, D., Abreu, S., Freitas, F., Vasconcelos, R., & Morgado- Dias, F. (2013). A survey of software and hardware use in artificial neural networks. Neural Computing and Applications, 23(3-4),591–599. doi:10.1007/s00521-013-1406-y

del Águila, I. M., Palma, J., & Túnez, S. (2014). Milestones in software engineering and knowledge engineering history: a comparative review