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Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

Department of Computer Science & Engineering

URL LINK - 15 SCHEME EVEN SEM

SN	Subject code	Subject Name	URL Links
01	15CS 42	Software Engineering	https://www.guru99.com/what-is-incremental-model-in-sdlc-advantages-disadvantages.html https://ecomputernotes.com/software-engineering/tools-for-software-maintenance https://www.tutorialspoint.com/sdlc/sdlc_waterfall_model.htm https://www.sciencedirect.com/topics/computer-science/model-driven-engineering https://www.tutorialspoint.com/software-engineering/software-testing-overview.htm https://www.geeksforgeeks.org/cost-estimation-models-in-software-engineering/ https://ecomputernotes.com/software-engineering/tools-for-software-maintenance
	15CS43	Design & analysis of Algorithms	https://www.geeksforgeeks.org/analysis-of-algorithms-set-3-asymptotic-notations/ https://www.codecademy.com/learn/cspath-asymptotic-notation/modules/cspath-asymptotic-notation/cheatsheet https://www.simplilearn.com/tutorials/data-structure-tutorial/backtracking-algorithm https://medium.com/@p.yun1994/p-np-np-hard-and-np-complete-problems-fe679bd1cf9 https://www.tutorialspoint.com/design-and-analysis-of-algorithms/design-an

			d_analysis_of_algorithms_np_hard_complete_classes.htm
04	15CS44	Microprocessors and Microcontroller	https://www.elprocus.com/real-time-applications-of-embedded-systems/ https://www.watelectronics.com/arm-processor-architecture-working/ https://www.lynx.com/embedded-systems-learning-center/how-to-choose-a-real-time-operating-system-rtos https://www.quora.com/What-is-an-RTOS https://www.embeddedcomputing.com/technology/software-and-os/how-to-pick-an-rtos https://www.microcontrollertips.com/real-time-standard-how-to-choose-rtos/
05	15CS45	Object oriented Programming with JAVA	https://en.wikipedia.org/wiki/Procedural_programming https://www.learncomputerscienceonline.com/procedural-programming/ https://www.tutorialspoint.com/differences-between-procedural-and-object-oriented-programming https://www.programiz.com/java-programming/class-objects https://www.geeksforgeeks.org/exception-handling-with-method-overriding-in-java/ https://techdifferences.com/difference-between-packages-and-interfaces-in-java.html
06	15CS46	Data Communication	https://www.informit.com/articles/article.aspx?p=23987&seqNum=4 https://www.tutorialspoint.com/data_communication_computer_network/computer_network_models.htm https://examradar.com/bandwidth-utilization-multiplexing-spreading-summary/ https://www.javatpoint.com/multiplexing-in-computer-network

			https://www.techtarget.com/searchnetworking/definition/data-link-control https://www.tutorialandexample.com/error-correction-and-error-detection https://www.javatpoint.com/what-is-ethernet https://www.techtarget.com/searchnetworking/definition/data-link-control
07	15CSL47	Design & Analysis of Algorithm Lab	https://www.geeksforgeeks.org/analysis-of-algorithms-set-3asymptotic-notations/ https://www.codecademy.com/learn/cspath-asymptotic-notation/modules/cspath-asymptotic-notation/cheatsheet https://study.com/academy/lesson/solving-divide-and-conquer-recurrences.html https://www.geeksforgeeks.org/analysis-of-algorithms-set-3asymptotic-notations/ https://medium.com/@p.yun1994/p-np-np-hard-and-np-complete-problems-fe679bd1cf9 https://medium.com/@p.yun1994/p-np-np-hard-and-np-complete-problems-fe679bd1cf9c
08	15CSL48	Microprocessors and Microcontroller	https://www.elprocus.com/real-time-applications-of-embedded-systems/ https://www.watelectronics.com/arm-processor-architecture-working/ https://www.keil.com/support/man/docs/armasm/armasm_dom1359731144051.htm https://www.lynx.com/embedded-systems-learning-center/how-to-choose-a-real-time-operating-system-rtos https://www.embeddedcomputing.com/technology/software-and-os/how-to-pick-an-rtos https://www.microcontrollertips.com/real-time-standard-how-to-choose-rtos/
01	15CS61	Cryptography, Net. Sec & Cyber Law	https://www.javatpoint.com/cybersecuri

			ty/
02	15CS62	Computer Graphics And Visualization	https://www.geeksforgeeks.org/computer-graphics-3d-translation-transformation/ https://techdifferences.com/difference-between-rgb-and-cmyk.html https://www.educba.com/rgb-color-model/ https://www3.ntu.edu.sg/home/ehchua/programming/opengl/cg_introduction.html https://www.tutorialspoint.com/computer_graphics/visible_surface_detection.htm https://www.javatpoint.com/computer-graphics-hidden-surface-removal https://www.javatpoint.com/computer-graphics-tutorial
03	15CS63	System Software And Compilers Design	https://pediaa.com/what-is-the-difference-between-lex-and-yacc/ https://www.javatpoint.com/compiler-phases https://pages.cs.wisc.edu/~fischer/cs536.s08/lectures/Lecture04.4up.pdf https://testbook.com/question-answer/the-analysis-part-of-the-structure-of-a-compiler-i--5efa02b4a9baf40d1809828c https://edurev.in/studytube/The-Structure-of-a-Compiler-Introduction--Computer/17dd2d9f-d14d-4313-9ba0-2600a0b63f34_t https://www.guru99.com/syntax-analysis-parsing-types.html https://www.wisdomjobs.com/e-university/compiler-design-tutorial-1144/compiler-design-syntax-analysis-25295.html https://www.javatpoint.com/yacc https://www.geeksforgeeks.org/sic-xe-architecture/
04	15CS64	Operating System	https://www.w3schools.in/operating-

			<p>system-tutorial/services/ https://www.tutorialspoint.com/operating_system/os_services.htm</p> <p>https://www.guru99.com/process-management-pcb.html</p> <p>https://afteracademy.com/blog/what-is-the-concept-of-multithreading-in-os-and-what-are-its-benefits</p> <p>https://www.studytonight.com/operating-system/deadlocks</p> <p>https://www.guru99.com/os-memory-management.html</p> <p>https://www.guru99.com/os-memory-management.html</p> <p>https://www.guru99.com/virtual-memory-in-operating-system.html</p> <p>http://faculty.salina.k-state.edu/tim/ossg/Memory/virt_mem/virt_mem.html</p>
06	15CS66	Open Elective	<p>https://developer.android.com/training/basics/firstapp</p> <p>https://code.tutsplus.com/tutorials/android-sdk-user-interaction--mobile-20342</p> <p>https://developer.android.com/guide/topics/ui</p> <p>https://www.tutorialspoint.com/android/index.htm</p> <p>https://firebase.google.com/docs/admob</p> <p>https://google-developer-training.github.io/android-developer-fundamentals-course-concepts/en/Unit%205/141_c_firebase_and_admob.html</p> <p>https://www.geeksforgeeks.org/android-tutorial/</p> <p>https://en.wikipedia.org/wiki/Android_software_development</p> <p>https://www.tutorialspoint.com/android/index.htm</p> <p>https://developer.android.com/guide/topics/ui</p> <p>https://tutorialspoint.com/android/android_user_interface_controls.htm</p> <p>https://firebase.google.com/docs/admob</p>

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01	15CS81	Internet of Things and Applications	https://www.i-scoop.eu/internet-of-things-iot/iot-technology-stack-devices-gateways-platforms/ https://magazine.wharton.upenn.edu/digital/internet-of-things-the-key-to-digital-transformation/ https://www.oreilly.com/library/view/iot-fundamentals-networking/9780134307091/ch05.html https://mobidev.biz/blog/what-is-iot-data-analytics-how-to-implement-it-in-your-organization https://www.gsma.com/iot/iot-security-guidelines-for-endpoint-ecosystem/ https://docs.microsoft.com/en-us/azure/architecture/example-scenario/data/big-data-with-iot https://www.sciencedirect.com/topics/computer-science/endpoint-device
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