



PKM Educational Trust ®

R. R. Institute of Technology

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Accredited by NAAC with 'B+'

Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

Department of Computer Science & Engineering

URL Link 18 Scheme Even Sem

SN	Subject code	Subject Name	Link
Semester 4th SEM			
01	18CS42	Design & analysis of Algorithms	https://www.codecademy.com/learn/cspath-asymptotic-notation/modules/cspath-asymptotic-notation/cheatsheet https://www.geeksforgeeks.org/analysis-of-algorithms-set-3asymptotic-notations/ https://www.tutorialspoint.com/data_structures_algorithms/asymptotic_analysis.htm https://study.com/academy/lesson/solving-divide-and-conquer-recurrences.html https://www.javatpoint.com/optimal-binary-search-tree https://www.tutorialspoint.com/design_and_analysis_of_algorithms/design_and_analysis_of_algorithms_dynamic_programming.htm https://www.simplilearn.com/tutorials/data-structure-tutorial/backtracking-algorithm https://www.scaler.com/topics/data-structures/backtracking-algorithm/ https://www.tutorialspoint.com/design_and_analysis_of_algorithms/design_and_analysis_of_algorithms_np_hard_complete_classes.htm https://medium.com/@p.yun1994/p-np-np-hard-and-np-complete-problems-fe679bd1cf9c

02	18CS43	Operating Systems	https://www.w3schools.in/operating-system-tutorial/services/ https://www.tutorialspoint.com/operating-system/os_services.htm https://www.guru99.com/process-management-pcb.html https://applied-programming.github.io/Operating-Systems-Notes/2-Process-Management/ https://www.geeksforgeeks.org/multithreading-in-operating-system/ https://afteracademy.com/blog/what-is-the-concept-of-multithreading-in-os-and-what-are-its-benefits https://www.studytonight.com/operating-system/deadlocks https://www.guru99.com/os-memory-management.html https://www.guru99.com/os-memory-management.html https://www.guru99.com/virtual-memory-in-operating-system.html http://faculty.salina.k-state.edu/tim/oss/sg/Memory/virt_mem/virt_mem.html
03	18CS44	Microcontroller & Embedded System	https://www.watelectronics.com/arm-processor-architecture-working/ https://www.elprocus.com/real-time-applications-of-embedded-systems/ https://iitd-plos.github.io/col718/ref/arm-instructionset.pdf https://www.keil.com/support/man/docs/armasm/armasm_dom1359731144051.htm https://www.theengineeringprojects.com/2021/03/components-of-embedded-systems.html https://web2.qatar.cmu.edu/~mndarwis/em

			<p>beddedssystem.html</p> <p>https://www.quora.com/What-is-an-RTOS</p> <p>https://www.embeddedcomputing.com/technology/software-and-os/how-to-pick-an-rtos</p> <p>https://www.microcontrollertips.com/real-time-standard-how-to-choose-rtos/</p> <p>https://www.lynx.com/embedded-systems-learning-center/how-to-choose-a-real-time-operating-system-rtos</p>
04	18CS45	Object oriented Concepts	<p>https://www.tutorialspoint.com/differences-between-procedural-and-object-oriented-programming</p> <p>https://en.wikipedia.org/wiki/Procedural_programming</p> <p>https://www.learncomputerscienceonline.com/procedural-programming/</p> <p>https://www.w3schools.com/java/java_classes.asp</p> <p>https://www.programiz.com/java-programming/class-objects</p> <p>https://www.geeksforgeeks.org/exception-handling-with-method-overriding-in-java/</p> <p>http://javainsimpleway.com/exception-in-inheritance/</p> <p>https://stackoverflow.com/questions/39945059/demonstrate-custom-exceptions-inheritance-java</p> <p>https://techdifferences.com/difference-between-packages-and-interfaces-in-java.html</p> <p>https://cse.iitkgp.ac.in/~dsamanta/java/ch4.htm</p> <p>https://www.tutorialspoint.com/awt/awt_e</p>

			vent_handling.htm
05	18CS46	Data Communication	https://www.tutorialspoint.com/data_communication_computer_network/computer_network_models.htm https://www.informit.com/articles/article.aspx?p=23987&seqNum=4 https://data-flair.training/blogs/digital-transmission/ https://examradar.com/bandwidth-utilization-multiplexing-spreading-summary/ https://www.javatpoint.com/multiplexing-in-computer-network https://www.geeksforgeeks.org/error-detection-in-computer-networks/ https://www.tutorialandexample.com/error-correction-and-error-detection https://www.geeksforgeeks.org/line-discipline-in-data-link-layer/ https://www.techtarget.com/searchnetworking/definition/data-link-control https://www.javatpoint.com/what-is-ethernet
Semester 6th SEM			
01	18CS61	System Software And Compilers	https://www.geeksforgeeks.org/sic-xe-architecture/ https://www.javatpoint.com/compiler-phases https://pages.cs.wisc.edu/~fischer/cs536.s08/lectures/Lecture04.4up.pdf 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://pediaa.com/what-is-the-difference-between-lex-and-yacc/
02	18CS62	Computer Graphics And Visualization	https://www3.ntu.edu.sg/home/ehchua/programming/opengl/cg_introduction.html https://www.geeksforgeeks.org/computer-graphics-3d-translation-transformation/ https://www.slideshare.net/mohammedarif89/3-d-geometric-transformations https://techdifferences.com/difference-between-rgb-and-cmyk.html https://www.educba.com/rgb-color-model/ https://www.tutorialandexample.com/color-models-in-computer-graphics 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 https://www.sciencedirect.com/topics/engineering/cubic-spline
03	18CS63	Web Technology And Its Applications -	https://www.w3.org/html/wg/wiki/Guide/Syntax-Semantics

			<p>https://www.oreilly.com/library/view/html5-cookbook/9781449318444/ch01.html</p> <p>https://www.w3schools.com/css/css_text.asp</p> <p>https://edu.gcfglobal.org/en/basic-css/text-styling-in-css/1/</p> <p>https://developer.mozilla.org/en-US/docs/Learn/CSS/Styling_text/Fundamentals</p> <p>https://www.browserstack.com/guide/top-css-frameworks</p> <p>https://hackr.io/blog/best-css-frameworks</p> <p>https://kb.iu.edu/d/bfsu</p> <p>https://www.geeksforgeeks.org/server-side-client-side-programming/</p> <p>https://www.w3schools.com/xml/ajax_intro.asp</p>
04	18CS641	Data Mining and Data warehousing	<p>https://www.javatpoint.com/data-warehouse-modeling</p> <p>https://medium.com/nerd-for-tech/fundamental-data-modeling-and-data-warehousing-b599183d998a</p> <p>https://www.guru99.com/dimensional-model-data-warehouse.html</p> <p>https://bitanium.co.za/a/blog/data-warehouse-implementation-steps-guidelines-and-checklist</p> <p>https://www.softwaretestingclass.com/difference-between-molap-vs-rolap-vs-holap/</p> <p>https://www.skedsoft.com/books/data-mining-data-warehousing/types-of-olap-servers-rolap-versus-molap-versus-holap</p> <p>https://www.slideshare.net/KamalAcharya/association-analysis-in-data-mining</p> <p>https://www-users.cse.umn.edu/~kumar001/dmbook/ch</p>

			6.pdf https://www.javatpoint.com/k-nearest-neighbor-algorithm-for-machine-learning https://www.tutorialspoint.com/what-are-the-approaches-of-graph-based-clustering
05	18CS643	Cloud Computing And Its Applications -	https://study.com/academy/lesson/the-cloud-reference-model-definition-overview.html https://theinfinitkitchen.com/guide/what-is-reference-model-in-cloud-computing/ https://aws.amazon.com/vmware/ https://www.tutorialspoint.com/cloud_computing/cloud_computing_hybrid_cloud_model.htm https://www.cloudflare.com/learning/cloud/what-is-hybrid-cloud/ https://www.javatpoint.com/aneka-in-cloud-computing https://www.tutorialspoint.com/map_reduce/map_reduce_introduction.htm https://www.sciencedirect.com/topics/computer-science/windows-azure https://www.red-gate.com/simple-talk/cloud/azure/an-introduction-to-windows-azure-part-1/ https://www.businessproductivity.com/what-is-windows-azure-and-what-are-the-benefits/

06	18CS651	Open Elective (Mobile Application Development)	https://www.tutorialspoint.com/android/index.htm https://www.geeksforgeeks.org/android-tutorial/ https://en.wikipedia.org/wiki/Android_software_development https://developer.android.com/training/basics/firstapp https://code.tutsplus.com/tutorials/android-sdk-user-interaction--mobile-20342 https://developer.android.com/guide/topics/ui https://tutorialspoint.com/android/android-user-interface-controls.htm https://www.javatpoint.com/android-sqlite-tutorial https://firebase.google.com/docs/admob https://google-developer-training.github.io/android-developer-fundamentals-course-concepts/en/Unit%205/141_c_firebase_and_admob.html
Semester 8th SEM			
01	18CS81	Internet of Things	https://magazine.wharton.upenn.edu/digital/internet-of-things-the-key-to-digital-transformation/ https://www.i-scoop.eu/internet-of-things-iot/iot-technology-stack-devices-gateways-platforms/ https://www.iis.fraunhofer.de/en/ff/1v/data-analytics/smart-object.html https://www.techplayon.com/iot-access-technology/ https://www.oreilly.com/library/view/iot-fundamentals-networking/9780134307091/ch05.html https://mobidev.biz/blog/what-is-iot-data-

			<p>analytics-how-to-implement-it-in-your-organization</p> <p>https://www.ptc.com/en/blogs/iiot/how-is-iiot-related-to-big-data-analytics</p> <p>https://docs.microsoft.com/en-us/azure/architecture/example-scenario/data/big-data-with-iiot</p> <p>https://www.sciencedirect.com/topics/computer-science/endpoint-device</p> <p>https://www.gsma.com/iiot/iiot-security-guidelines-for-endpoint-ecosystem/</p>
02	18CS822	Storage Area Network	<p>https://www.techopedia.com/definition/30135/data-center-storage</p> <p>https://www.jbiet.edu.in/coursefiles/cse/HO/cse4/SAN3.pdf</p> <p>https://www.atlantic.net/vps-hosting/how-raid-arrays-improve-performance-and-data-protection/</p> <p>https://www.msp360.com/resources/blog/fibre-channel-vs-iscsi/</p> <p>https://www.techtarget.com/searchstorage/definition/FCoE-Fibre-Channel-over-Ethernet</p> <p>https://www.sciencedirect.com/topics/computer-science/network-attached-storage</p> <p>https://www.techopedia.com/definition/13730/remote-replication</p> <p>https://www.tutorialspoint.com/what-are-the-ways-of-security-implementation-in-storage-networks</p> <p>http://www.ittoday.info/ITPerformanceImprovement/Articles/2012-07Schulz2.html</p> <p>https://www.geeksforgeeks.org/backup-and-restore/</p>

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