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Accredited by NAAC with 'B+'

Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

Department of Computer Science & Engineering

## URL LINK - 17 SCHEME EVEN SEM

SN	Subject code	Subject Name	URL LINKS
02	17CS42	Object Oriented Concepts	<a href="https://en.wikipedia.org/wiki/Procedural_programming">https://en.wikipedia.org/wiki/Procedural_programming</a> <a href="https://www.tutorialspoint.com/differences-between-procedural-and-object-oriented-programming">https://www.tutorialspoint.com/differences-between-procedural-and-object-oriented-programming</a> <a href="https://www.w3schools.com/java/java_classes.asp">https://www.w3schools.com/java/java_classes.asp</a> <a href="https://www.programiz.com/java-programming/class-objects">https://www.programiz.com/java-programming/class-objects</a> <a href="https://stackoverflow.com/questions/39945059/demonstrate-custom-exceptions-inheritance-java">https://stackoverflow.com/questions/39945059/demonstrate-custom-exceptions-inheritance-java</a> <a href="https://techdifferences.com/difference-between-packages-and-interfaces-in-java.html">https://techdifferences.com/difference-between-packages-and-interfaces-in-java.html</a> <a href="https://www.tutorialspoint.com/awt/awt_event_handling.htm">https://www.tutorialspoint.com/awt/awt_event_handling.htm</a> <a href="https://www.learncomputerscienceonline.com/procedural-programming/">https://www.learncomputerscienceonline.com/procedural-programming/</a>
03	17CS43	Design & analysis of Algorithms	<a href="https://www.geeksforgeeks.org/analysis-of-algorithms-set-3asymptotic-notations/">https://www.geeksforgeeks.org/analysis-of-algorithms-set-3asymptotic-notations/</a> <a href="https://www.codecademy.com/learn/cspath-asymptotic-notation/modules/cspath-asymptotic-notation/cheatsheet">https://www.codecademy.com/learn/cspath-asymptotic-notation/modules/cspath-asymptotic-notation/cheatsheet</a> <a href="https://study.com/academy/lesson/solving-divide-and-conquer-recurrences.html">https://study.com/academy/lesson/solving-divide-and-conquer-recurrences.html</a> <a href="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-fe679bd1cf9</a> <a href="https://medium.com/@p.yun1994/p-np-np-hard-and-np-complete-problems-fe679bd1cf9c">https://medium.com/@p.yun1994/p-np-np-hard-and-np-complete-problems-fe679bd1cf9c</a>
04	17CS44	Microcontroller & Microprocessors	<a href="https://www.watelectronics.com/arm-">https://www.watelectronics.com/arm-</a>

			<p><a href="#">processor-architecture-working/</a></p> <p><a href="https://www.elprocus.com/real-time-applications-of-embedded-systems/">https://www.elprocus.com/real-time-applications-of-embedded-systems/</a></p> <p><a href="https://iitd-plos.github.io/col718/ref/arm-instructionset.pdf">https://iitd-plos.github.io/col718/ref/arm-instructionset.pdf</a></p> <p><a href="https://www.keil.com/support/man/docs/armasm/armasm_dom1359731144051.htm">https://www.keil.com/support/man/docs/armasm/armasm_dom1359731144051.htm</a></p> <p><a href="https://www.theengineeringprojects.com/2021/03/components-of-embedded-systems.html">https://www.theengineeringprojects.com/2021/03/components-of-embedded-systems.html</a></p> <p><a href="https://www.quora.com/What-is-an-RTOS">https://www.quora.com/What-is-an-RTOS</a></p> <p><a href="https://www.lynx.com/embedded-systems-learning-center/how-to-choose-a-real-time-operating-system-rtos">https://www.lynx.com/embedded-systems-learning-center/how-to-choose-a-real-time-operating-system-rtos</a></p> <p><a href="https://web2.qatar.cmu.edu/~mndarwis/embeddedsystem.html">https://web2.qatar.cmu.edu/~mndarwis/embeddedsystem.html</a></p>
05	17CS45	Software Engineering	<p><a href="https://www.guru99.com/what-is-incremental-model-in-sdlc-advantages-disadvantages.html">https://www.guru99.com/what-is-incremental-model-in-sdlc-advantages-disadvantages.html</a></p> <p><a href="https://ecomputernotes.com/software-engineering/tools-for-software-maintenance">https://ecomputernotes.com/software-engineering/tools-for-software-maintenance</a></p> <p><a href="https://www.tutorialspoint.com/sdlc/sdlc_waterfall_model.htm">https://www.tutorialspoint.com/sdlc/sdlc_waterfall_model.htm</a></p> <p><a href="https://www.sciencedirect.com/topics/computer-science/model-driven-engineering">https://www.sciencedirect.com/topics/computer-science/model-driven-engineering</a></p> <p><a href="https://www.tutorialspoint.com/software-engineering/software_testing_overview.htm">https://www.tutorialspoint.com/software-engineering/software_testing_overview.htm</a></p> <p><a href="https://www.geeksforgeeks.org/cost-estimation-models-in-software-engineering/">https://www.geeksforgeeks.org/cost-estimation-models-in-software-engineering/</a></p> <p><a href="https://ecomputernotes.com/software-engineering/tools-for-software-maintenance">https://ecomputernotes.com/software-engineering/tools-for-software-maintenance</a></p>
06	17CS46	Data Communication	<p><a href="https://www.informit.com/articles/article.aspx?p=23987&amp;seqNum=4">https://www.informit.com/articles/article.aspx?p=23987&amp;seqNum=4</a></p> <p><a href="https://data-flair.training/blogs/digital-transmission/">https://data-flair.training/blogs/digital-transmission/</a></p> <p><a href="https://www.geeksforgeeks.org/error-">https://www.geeksforgeeks.org/error-</a></p>

			<a href="https://www.tutorialspoint.com/data_communication_computer_network/computer_network_models.htm">detection-in-computer-networks/ https://www.tutorialspoint.com/data_communication_computer_network/computer_network_models.htm</a>  <a href="https://www.tutorialandexample.com/error-correction-and-error-detection">https://www.tutorialandexample.com/error-correction-and-error-detection</a>  <a href="https://www.javatpoint.com/what-is-ethernet">https://www.javatpoint.com/what-is-ethernet</a>  <a href="https://www.techtarget.com/searchnetworking/definition/data-link-control">https://www.techtarget.com/searchnetworking/definition/data-link-control</a>
07	17CSL47	Design and Analysis of Algorithm Lab	<a href="https://www.geeksforgeeks.org/analysis-of-algorithms-set-3asymptotic-notations/">https://www.geeksforgeeks.org/analysis-of-algorithms-set-3asymptotic-notations/</a>  <a href="https://www.codecademy.com/learn/cspath-asymptotic-notation/modules/cspath-asymptotic-notation/cheatsheet">https://www.codecademy.com/learn/cspath-asymptotic-notation/modules/cspath-asymptotic-notation/cheatsheet</a>  <a href="https://www.simplilearn.com/tutorials/data-structure-tutorial/backtracking-algorithm">https://www.simplilearn.com/tutorials/data-structure-tutorial/backtracking-algorithm</a>  <a href="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-fe679bd1cf9</a>  <a href="https://www.tutorialspoint.com/design_and_analysis_of_algorithms/design_and_analysis_of_algorithms_np_hard_complete_classes.htm">https://www.tutorialspoint.com/design_and_analysis_of_algorithms/design_and_analysis_of_algorithms_np_hard_complete_classes.htm</a>
08	17CSL48	Microcontroller & Microprocessors Lab	<a href="https://www.elprocus.com/real-time-applications-of-embedded-systems/">https://www.elprocus.com/real-time-applications-of-embedded-systems/</a>  <a href="https://www.watelectronics.com/arm-processor-architecture-working/">https://www.watelectronics.com/arm-processor-architecture-working/</a>  <a href="https://www.lynx.com/embedded-systems-learning-center/how-to-choose-a-real-time-operating-system-rtos">https://www.lynx.com/embedded-systems-learning-center/how-to-choose-a-real-time-operating-system-rtos</a>  <a href="https://www.quora.com/What-is-an-RTOS">https://www.quora.com/What-is-an-RTOS</a>  <a href="https://www.embeddedcomputing.com/technology/software-and-os/how-to-pick-an-rtos">https://www.embeddedcomputing.com/technology/software-and-os/how-to-pick-an-rtos</a>  <a href="https://www.microcontrollertips.com/real-time-standard-how-to-choose-rtos/">https://www.microcontrollertips.com/real-time-standard-how-to-choose-rtos/</a>
02	17CS62	Computer Graphics And Visualization	<a href="https://www.geeksforgeeks.org/computer-graphics-3d-translation-transformation/">https://www.geeksforgeeks.org/computer-graphics-3d-translation-transformation/</a>

			<p><a href="https://www.educba.com/rgb-color-model/">https://www.educba.com/rgb-color-model/</a></p> <p><a href="https://www.tutorialandexample.com/color-models-in-computer-graphics">https://www.tutorialandexample.com/color-models-in-computer-graphics</a></p> <p><a href="https://www3.ntu.edu.sg/home/ehchua/programming/opengl/cg_introduction.html">https://www3.ntu.edu.sg/home/ehchua/programming/opengl/cg_introduction.html</a></p> <p><a href="https://www.javatpoint.com/computer-graphics-hidden-surface-removal">https://www.javatpoint.com/computer-graphics-hidden-surface-removal</a></p> <p><a href="https://www.javatpoint.com/computer-graphics-tutorial">https://www.javatpoint.com/computer-graphics-tutorial</a></p>
04	17CS63	System Software And Compiler Design	<p><a href="https://www.javatpoint.com/compiler-phases">https://www.javatpoint.com/compiler-phases</a></p> <p><a href="https://edurev.in/studytube/The-Structure-of-a-Compiler-Introduction--Computer/17dd2d9f-d14d-4313-9ba0-2600a0b63f34_t">https://edurev.in/studytube/The-Structure-of-a-Compiler-Introduction--Computer/17dd2d9f-d14d-4313-9ba0-2600a0b63f34_t</a></p> <p><a href="https://www.guru99.com/syntax-analysis-parsing-types.html">https://www.guru99.com/syntax-analysis-parsing-types.html</a></p> <p><a href="https://www.wisdomjobs.com/e-university/compiler-design-tutorial-1144/compiler-design-syntax-analysis-25295.html">https://www.wisdomjobs.com/e-university/compiler-design-tutorial-1144/compiler-design-syntax-analysis-25295.html</a></p> <p><a href="https://pediaa.com/what-is-the-difference-between-lex-and-yacc/">https://pediaa.com/what-is-the-difference-between-lex-and-yacc/</a></p> <p><a href="https://www.geeksforgeeks.org/sic-xe-architecture/">https://www.geeksforgeeks.org/sic-xe-architecture/</a></p> <p><a href="https://www.javatpoint.com/yacc">https://www.javatpoint.com/yacc</a></p>
06	17CS64	Operating System	<p><a href="https://www.tutorialspoint.com/operating_system/os_services.htm">https://www.tutorialspoint.com/operating_system/os_services.htm</a></p> <p><a href="https://www.w3schools.in/operating-system-tutorial/services/">https://www.w3schools.in/operating-system-tutorial/services/</a></p> <p><a href="https://applied-programming.github.io/Operating-Systems-Notes/2-Process-Management/">https://applied-programming.github.io/Operating-Systems-Notes/2-Process-Management/</a></p> <p><a href="https://www.geeksforgeeks.org/multithreading-in-operating-system/">https://www.geeksforgeeks.org/multithreading-in-operating-system/</a></p> <p><a href="http://faculty.salina.k-state.edu/tim/oss/OS/Memory/virt_mem/virt_mem.html">http://faculty.salina.k-state.edu/tim/oss/OS/Memory/virt_mem/virt_mem.html</a></p> <p><a href="https://www.guru99.com/os-memory-">https://www.guru99.com/os-memory-</a></p>

			<a href="#">management.html</a> <a href="https://www.guru99.com/virtual-memory-in-operating-system.html">https://www.guru99.com/virtual-memory-in-operating-system.html</a>
07	17CS65x	Professional Elective 2	<a href="https://medium.com/nerd-for-tech/fundamental-data-modeling-and-data-warehousing-b599183d998a">https://medium.com/nerd-for-tech/fundamental-data-modeling-and-data-warehousing-b599183d998a</a> <a href="https://www.javatpoint.com/data-warehouse-modeling">https://www.javatpoint.com/data-warehouse-modeling</a> <a href="https://www.tutorialspoint.com/what-are-the-approaches-of-graph-based-clustering">https://www.tutorialspoint.com/what-are-the-approaches-of-graph-based-clustering</a> <a href="https://www.slideshare.net/KamalAcharya/association-analysis-in-data-mining">https://www.slideshare.net/KamalAcharya/association-analysis-in-data-mining</a> <a href="https://www-users.cse.umn.edu/~kumar001/dmbook/ch6.pdf">https://www-users.cse.umn.edu/~kumar001/dmbook/ch6.pdf</a> <a href="https://www.javatpoint.com/k-nearest-neighbor-algorithm-for-machine-learning">https://www.javatpoint.com/k-nearest-neighbor-algorithm-for-machine-learning</a>
08	17CS66x	Python Application Programming/Open Elective	<a href="https://www.geeksforgeeks.org/android-tutorial/">https://www.geeksforgeeks.org/android-tutorial/</a> <a href="https://www.tutorialspoint.com/android/index.htm">https://www.tutorialspoint.com/android/index.htm</a> <a href="https://developer.android.com/training/basics/firstapp">https://developer.android.com/training/basics/firstapp</a> <a href="https://code.tutsplus.com/tutorials/android-sdk-user-interaction--mobile-20342">https://code.tutsplus.com/tutorials/android-sdk-user-interaction--mobile-20342</a> <a href="https://google-developer-training.github.io/android-developer-fundamentals-course-concepts/en/Unit%205/141_c_firebase_and_admob.html">https://google-developer-training.github.io/android-developer-fundamentals-course-concepts/en/Unit%205/141_c_firebase_and_admob.html</a> <a href="https://firebase.google.com/docs/admob">https://firebase.google.com/docs/admob</a>
01	17CS81	Internet of Things and Applications	<a href="https://www.i-scoop.eu/internet-of-things-iiot/iiot-technology-stack-devices-gateways-platforms/">https://www.i-scoop.eu/internet-of-things-iiot/iiot-technology-stack-devices-gateways-platforms/</a> <a href="https://www.oreilly.com/library/view/iiot-fundamentals-networking/9780134307091/ch05.html">https://www.oreilly.com/library/view/iiot-fundamentals-networking/9780134307091/ch05.html</a> <a href="https://mobidev.biz/blog/what-is-iiot-data-analytics-how-to-implement-it-in-your-organization">https://mobidev.biz/blog/what-is-iiot-data-analytics-how-to-implement-it-in-your-organization</a> <a href="https://www.ptc.com/en/blogs/iiot/how-">https://www.ptc.com/en/blogs/iiot/how-</a>

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