



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 - 15 SCHEME ODD SEM

SN	Subject code	Subject Name	URL LINK
02	15CS32	Analog and Digital Electronics	https://www.javatpoint.com/computer-registers https://www.geeksforgeeks.org/introduction-of-k-map-karnaugh-map/ https://www.scienceabc.com/innovation/whats-the-difference-between-analog-and-digital-circuits.html https://www.electronics-tutorials.ws/combination/comb_2.html https://www.javatpoint.com/vhdl
03	15CS33	Data Structures & Applications	https://www.simplilearn.com/tutorials/data-structure-tutorial/what-is-data-structure https://dzone.com/articles/data-structures-and-their-applications https://csveda.com/data-structure/applications-of-data-structures/ https://www.azdocuments.in/2020/01/data-structures-and-application-18cs32.html?m=1 https://www.geeksforgeeks.org/real-time-application-of-data-structures/ https://www.integralist.co.uk/posts/data-types-and-data-structures/
04	15CS34	Computer Organization	https://www.geeksforgeeks.org/types-of-machine-instructions/ https://www.studytonight.com/computer-architecture/memory-organization https://www.learncomputerscienceonline.com/machine-instruction/ https://www.tutorialspoint.com/computer_fundamentals/computer_memory.htm

			https://www.cise.ufl.edu/~mssz/CompOrg/CDA-arith.html https://www.slideshare.net/KamalAcharya/micro-programmed-control-unit https://www.slideshare.net/siddiqueibrahim37/hardwired-control
05	15CS35	Discrete Mathematics Structures	https://www.tutorialspoint.com/discrete_mathematics/discrete_mathematics_relations.htm https://www.slideshare.net/uyar/discrete-mathematics-relations-and-functions https://brilliant.org/wiki/principle-of-inclusion-and-exclusion-pie/ https://www.tutorialspoint.com/discrete_mathematics/discrete_mathematics_functions.htm https://math.libretexts.org/Bookshelves/Combinatorics_and_Discrete_Mathematics/Elementary_Number_Theory_(Raji)/01%3A_Introduction/1.02%3A_The_Well_Ordering_Principle_and_Mathematical_Induction https://www.cs.utexas.edu/~isil/cs311h/lecture-graph1b-6up.pdf https://www.tutorialspoint.com/discrete_mathematics/graph_and_graph_models.html
06	15CS36	Unix and Shell Programming	https://www.javatpoint.com/unix-operating-system https://www.tutorialspoint.com/unix/unix-getting-started.html https://www.educba.com/unix-architecture/ https://www.tutorialspoint.com/unix/unix-file-management.html https://en.wikipedia.org/wiki/Signal(IPC) https://www.cs.utah.edu/~zachary/isp/tutorials/files/files.html https://www.geeksforgeeks.org/methods-in-interprocess-communication/ http://math.nsc.ru/doc/handbook/basics-daemons.html
01	15CS51	Management & Entrepreneurship	https://byjus.com/commerce/difference-between-management-and-entrepreneurship/ https://qsstudy.com/relationship-

			<p>entrepreneurship-management/</p> <p>https://byjus.com/commerce/what-is-entrepreneurship/</p> <p>https://www.tgilt.com/erp-selection-resources/erp-software-selection-process/erp-project-planning</p> <p>https://www.managementstudyguide.com/intellectual-property-rights.htm</p> <p>https://www.hdfcbank.com/personal/resources/earning-centre/borrow/difference-between-micro-small-and-medium-enterprises</p>
02	15CS52	Computer networks & Security	<p>https://www.geeksforgeeks.org/application-layer-in-osi-model/</p> <p>https://www.router-switch.com/faq/what-is-application-layer-the-functions-and-examples-of-application-layer.html</p> <p>javatpoint.com/computer-network-application-layer</p> <p>https://www.gatevidyalay.com/distance-vector-routing-routing-algorithms/</p> <p>https://onlinelibrary.wiley.com/doi/10.1002/9781119436294.ch10</p> <p>https://en.wikipedia.org/wiki/Peer-to-peer_file_sharing</p> <p>https://www.geeksforgeeks.org/congestion-control-techniques-in-computer-networks/</p> <p>https://www.cse.wustl.edu/~jain/cis788-95/ftp/atm_cong/index.html</p>

03	15CS53	Database Management system	https://www.javatpoint.com/dbms-architecture https://intellipaat.com/blog/what-is-database/ https://www.simplilearn.com/tutorials/sql-tutorial/er-diagram-in-dbms https://medium.com/oceanize-geeks/concepts-of-database-architecture-dfdc558a93e4 https://www.khanacademy.org/computing/computer-programming/sql/more-advanced-sql-queries/pt/more-complex-queries-with-andor https://www.complexsql.com/complex-sql-queries-examples-with-answers/ https://www.studytonight.com/dbms/database-normalization.php https://www.javatpoint.com/dbms-normalization.
04	15CS54	Automata theory & Computational intelligence (ACI)	https://brilliant.org/wiki/finite-state-machines/ https://www.javatpoint.com/automata-regular-expression https://www.geeksforgeeks.org/regular-expressions-regular-grammar-and-regular-languages/ https://www.elprocus.com/finite-state-machine-mealy-state-machine-and-moore-state-machine/ https://www.geeksforgeeks.org/introduction-of-pushdown-automata/ http://www.math.uaa.alaska.edu/~afkjm/csce351/handouts/pda.pdf https://www.tutorialspoint.com/automata_theory/turing_machine_introduction.html https://dl.acm.org/doi/abs/10.5555/1096945.C1065804 https://www.geeksforgeeks.org/turing-machine-in-toc/ https://scanfree.com/automata/linear-bounded-

			automata.
05	15CS551	Object oriented analysis & Design /Advanced Java & J2ee	https://www.w3schools.com/css/objectoriented.asp
06	15CS564	Cloud computing	https://www.geeksforgeeks.org/cloud_computing/
01	15CS71	Web Technology and its applications	https://www.w3.org/html/wg/wiki/Guide/Syntax-Semantics https://www.oreilly.com/library/view/html5-cookbook/9781449318444/ch01.html https://www.w3schools.com/css/css_text.asp https://edu.gcfglobal.org/en/basic-css/text-styling-in-css/1/ https://developer.mozilla.org/en-US/docs/Learn/CSS/Styling_text/Fundamentals https://www.browserstack.com/guide/top-css-frameworks https://hackr.io/blog/best-css-frameworks https://kb.iu.edu/d/bfsu https://www.geeksforgeeks.org/server-side-client-side-programming/ https://www.w3schools.com/xml/ajax_intro.asp

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