

LEARNING AND INFORMATION RESOURCE CENTRE

CMPN Sem V Books - Updated On July 2022

Subject	Title	Author	Publications	No. of Existing Books in the Library
Theoretical Computer Science CSC501	Introduction to Automata Theory, Languages and Computation	John E. Hopcroft, Rajeev Motwani, Jeffery D. Ullman,	3rd Edition, Pearson Education, 2008	35
	Theory of Computation	Michael Sipser,	3rd Edition, Cengage learning. 2013	26
	Theory of Computation	Vivek Kulkarni,	Illustrated Edition, Oxford University Press, (12 April 2013) India.	20
	Introduction to Languages and the Theory of Computation	J. C. Martin,	4th Edition, Tata McGraw Hill Publication, 2013.	31
	Theory of Computation: A Problem Solving Approach	Kavi Mahesh,	Kindle Edition, Wiley-India, 2011.	18
Software Engineering CSC502	Software Engineering: A Practitioner's Approach	Roger Pressman,	9th edition , McGraw-Hill Publications, 2019	97

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	Software Engineering	Ian Sommerville,	9th edition, Pearson Education, 2011	31
	Software Engineering Fundamentals	Ali Behfroz and Fredeick J. Hudson,	Oxford University Press, 1997	6
	The unified modeling language user guide	Grady Booch, James Rambaugh, Ivar Jacobson,	2nd edition, Pearson Education, 2005	30
	An integrated approach to Software Engineering	Pankaj Jalote,	3rd edition, Springer, 2005	8
	Fundamentals of Software Engineering	Rajib Mall,	5th edition, Prentice Hall India, 2014	6
	Software Engineering	Jibitesh Mishra and Ashok Mohanty	Pearson , 2011	NIL
	Software Engineering – Concepts and Practices	Ugrasen Suman,	Cengage Learning, 2013	NIL
	Software Engineering principles and practice	Waman S Jawadekar,	McGraw Hill Education, 2004	5
Computer Network CSC503	Computer Networks	A.S. Tanenbaum,	4th edition Pearson Education	40
	Data Communications and Networking	B.A. Forouzan,	5th edition, TMH	75 (all editions)
	Computer Networking, A Top-Down Approach Featuring the Internet	James F. Kurose, Keith W. Ross,	6th edition, Addison Wesley	25 (2nd, 3rd and 5th ed)

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	An Engineering Approach To Computer Networking	S.Keshav	Pearson	8
	Computer Networks: Principles, Technologies & Protocols for Network Design,	Natalia Olifer & Victor Olifer,	Wiley India, 2011	13
	Computer Networks: A Systems Approach	Larry L.Peterson, Bruce S.Davie,	Second Edition ,The Morgan Kaufmann Series in Networking	8
Data Warehousing and Mining CSC504	Data Warehousing: Fundamentals for IT Professionals	Paulraj Ponniah,	Wiley India	21
	Data Mining Concepts and Techniques	Han, Kamber,	Morgan Kaufmann 2nd edition	66
	Data Mining Introductory and Advanced Topics	M.H. Dunham,	Pearson Education	30
	Data warehousing	Reema Theraja,	Oxford University Press 2009	20
	Introduction to Data Mining	Pang-Ning Tan, Michael Steinbach and Vipin Kumar,	Pearson Publisher 2nd edition.	6
	Data Mining	Ian H. Witten, Eibe Frank and Mark A. Hall,	Morgan Kaufmann 3rd edition	NIL

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Probabilistic Graphical Models CSDO501	Probabilistic Graphical Models: Principles and Techniques”,	Daphne Koller and Nir Friedman,	Cambridge, MA: The MIT Press, 2009 (ISBN 978-0-262-0139-2)	NIL
	Bayesian Reasoning and Machine Learning	David Barber,	Cambridge University Press, 1st edition, 2011.	NIL
	Bayesian Networks and Decision Graphs (Information Science and Statistics)"	Finn Jensen and Thomas Nielsen,	2nd Edition, Springer, 2007.	NIL
	Machine Learning: A Probabilistic Perspective	Kevin P. Murphy,	MIT Press 2012	NIL
	Graphical Models, Exponential Families, and Variational Inference	Martin Wainwright and Michael Jordan, M.,	2008	NIL
Internet Programming CSDO501	Developing Web Applications	Ralph Moseley, M.T. Savliya,	Willy India, Second Edition, ISBN: 978-81-265-3867-6	20

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	Web Technology Black Book”,		Dremtech Press, First Edition, 978-7722-997	22
	Learning PHP, MySQL, JavaScript, CSS & HTML5	Robin Nixon,	Third Edition O'REILLY, 2014.	
	Professional Rich Internet Applications: AJAX and Beyond	Dana Moore, Raymond Budd, Edward Benson,	Wiley publications	15
	Learning React Functional Web Development with React and Redux,	Alex Banks and Eve Porcello,	OREILLY, First Edition	NIL
	Internet and World Wide Web - How To Program	Harvey & Paul Deitel& Associates, Harvey Deitel and Abbey Deitel,	Fifth Edition, Pearson Education, 2011	NIL
	Web Technologies	Achyut S Godbole and AtulKahate,	Second Edition, Tata McGraw Hill, 2012	10
	JavaScript: The Complete Reference	Thomas A Powell, Fritz Schneider,	Third Edition, Tata McGraw Hill, 2013	NIL
	JavaScript: The Definitive Guide	David Flanagan,	Sixth Edition, O'Reilly Media, 2011	NIL
	The Complete Reference - PHP	Steven Holzner	Tata McGraw Hill, 2008	NIL
	PHP & MySQL in easy Steps	Mike Mcgrath	Tata McGraw Hill, 2012.	NIL

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Advance Database Management System CSDO501	Database System Concepts	Korth, Siberchatz, Sudarshan,	6th Edition, McGraw Hill	50
	Fundamentals of Database Systems	Elmasri and Navathe,	5th Edition, Pearson Education	88
	Principles of distributed database systems	Ozsu, M. Tamer, Valduriez, Patrick,	3rd Edition, Pearson Education, Inc.	22
	NoSQL Distilled: A Brief Guide to the Emerging World of Polyglot Persistence	Pramod Sadalge, Martin Fowler,	Addison Wesley/ Pearson	NIL
	Java XML and JSON	Jeff Friesen	Second Edition, 2019, après Inc	NIL
	Database Systems Design, Implementation and Management	Peter Rob and Carlos Coronel,	Thomson Learning, 5th Edition.	8
	SQL and PL/SQL for Oracle 10g, Black Book	Dr. P.S. Deshpande,	Dreamtech Press	18
	NoSQL for dummies	Adam Fowler,	John Wiley & Sons, Inc	NIL
	Professional NOSQL,	Shashank Tiwari,	John Willy & Sons. Inc	NIL
	Database Management Systems	Raghu Ramkrishnan and Johannes Gehrke,	TMH	32
	MongoDB Manual			2

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Business Communication & Ethics CSL504	Humanities for the engineering curriculum: With selected chapters from Olsen/Huckin: Technical writing and professional communication	Arms, V. M.	second edition. Boston, MA: McGraw-Hill. (2005)	NIL
	Business communication today. Upper Saddle River	Bovée, C. L., &Thill, J. V. (2021).	Upper Saddle River NJ: Pearson	NIL
	Verbal communication: Soft skills for a digital workplace	Butterfield, J. (2017).	Boston, MA: Cengage Learning.	NIL
	Personal development for life and work	Masters, L. A., Wallace, H. R., & Harwood, L. (2011).	Mason: South-Western Cengage Learning	16
	Introducing Personal development for life and work (not mentioned in syllabus)	Masters, L. A., Wallace, H. R., & Harwood, L. (2011).		13
	Organizational behaviour	Robbins, S. P., Judge, T. A., & Campbell, T. T. (2017).	Harlow, England: Pearson.	13
	Technical Communication, Principles and Practice	Meenakshi Raman, Sangeeta Sharma (2004)	Oxford University Press	5 (older editions available)
	Tests of Aptitude for	Archana Ram (2018) Place Mentor,	Oxford University Press	NIL

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	Placement Readiness			
	Communication Skills a workbook	Sanjay Kumar &PushpLata (2018).	New Delhi: Oxford University Press.	NIL
	Communication Skills (not mentioned in syllabus)	Sanjay Kumar &PushpLata (2011).		11

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