

Course Book List

Department of CSE

SI	Course Code	Course Title	Book	Author	Edition	No Copies	Type	E-book
1	CSE 101	Discrete Mathematics	Discrete Mathematics and Its Applications	Kenneth H. Rosen	4th, 6th, 7th	02 10 37	Text	6 th , 7 th & 8 th ed.
			Discrete Mathematics: An Open Introduction	Oscar Levin	3rd	null	Reference	N/A
			Discrete Mathematics	Richard Johnsonbaugh	8th	null	Reference	N/A
			Essential Discrete Mathematics for Computer Science	Harry Lewis & Rachel Zax		null	Reference	N/A
			Discrete Mathematics with graph theory.	Goodaire, E.G., & Paramenter, M.M	(1997).	null	Reference	N/A
			Discrete Mathematics and graph theory	Biswal, P.C	(2015).	null	Reference	N/A
			Theory and problems of discrete mathematics	Lipschutz, Seymour & Lipson, Marc	3rd	null	Text	N/A
2	CSE 103	Structured Programming	C Programming: A Modern Approach	K. N. King, W. W. Norton	2nd	null	Reference	2 nd ed.
			The Complete Reference C	Schildt, H	4th	15	Reference	3 rd & 4 th ed.
			The C programming language	Kernighan, B. W., & Ritchie, D. M.	2nd	10+3	Reference	2 nd ed.
			Let us C	Kanetkar, Y. P.	7th, 14th	9, 1	Reference	14 th ed.
			Teach yourself C	Herbert Schildt	3rd	44	Reference	3 rd ed.
3	CSE 104	Structured Programming lab	Programming in ANSI C	E.Balagurusamy	2nd, 3rd, 4th, 5th, 6th	02 07 20 10, 5	Text	6 th & 8 th ed.
			Principles and Techniques of Programming:	T. M. Ramachandran	revised, 2nd	02 null	Reference	N/A

			illustrated with flowcharts and pseudocodes					
			Algorithms in C	Robert Sedgewick		null	Reference	N/A
4	CSE 105	Data Structures	Data structure	Seymour Lipschutz and G A Vijayalakshmi	C1986, 1st, revised 1st	20 14 13	Text	1 st ed.
			Data structures and algorithms (Vol. 13).	Chang, S. K. World Scientific.	2013	null	Reference	N/A
			Theory & Problems of Data Structures	Seymour Lipschutz	revised, 2nd	05 01	Reference	N/A
			Data structures and algorithms	Michael T. Goodrich, Roberto Tamassia	3rd	10	Text	p
			Data structures and algorithms	Mehlhorn, K. (2013).		null	Reference	p
			Data structures and algorithms in Java.	Goodrich, M. T., & Tamassia, R. (2008). John Wiley & Sons.	2nd	1	Reference	4 th & 6 th ed.
5	CSE 106	Data Structure lab	Data Structures and Algorithm Analysis in C	Mark Allen Weiss, Addison Wesley		null	Reference	N/A
			Data Structures & Algorithms in JAVA	Robert Lafore, Techmedia		null	Reference	N/A
			Data structure Fundamentals	Prof. Dr. Md Rafiqul Islam, Prof. Dr. Md Abdul Mottalib	3rd	null	Reference	N/A
			কম্পিউটার প্রোগ্রামিং ওয় থণ্ড : প্েটা স্ট্রাকচার ও অ্যালগমরদহ পমরমচ	িামhh শাহমরয়ার সুমিন		null	Reference	N/A
6	CSE 201 CSE 202	Object Oriented Programming Object Oriented Programming Lab	The Object-Oriented Thought Process	Matt Weisfeld	4th	null	Reference	N/A
			Head First Object-Oriented Analysis and Design	Brett D. McLaughlin, Gary Pollice, Dave West	1st	null	Reference	N/A

			Java-The Complete Reference	Herbert Schildt	7th, 9th, 11th	31 10 null	Text	9 th ed.
			Java How to Program	Deitel P.J., Deitel H.M.	5th, 9th, 11th	1 Null 5	Text	11 th ed.
			Head First Java	Kathy Sierra & Bert Bates	2nd	10	Reference	3 rd ed. p
7	CSE 201	Computer Fundamentals & IT	Computer Fundamentals	Prof. Dr. M. Lutfor Rahaman		11	Text	N/A
			Computer in Business Eng.	Mujibur Rahaman		null	Reference	N/A
			Introduction to Computer	Peter Norton	c1999, 4th, 6th, 7th	01 01 06 41	Reference	6 th ed.
8	CSE 202	Computer Fundamentals and IT lab	Computer Fundamentals	ANITA GOEL (PEARSON INDIA)		null	Reference	N/A
			Computer fundamentals: concepts, systems & applications	Pradeep K Sinha, Priti Sinha	4 th 6th	49 02	Reference	N/A
9	CSE 203 CSE 204	Digital Logic Design Digital Logic Design Lab	Digital Design	M. Morris Mano and Michael D. Ciletti	5th	null	Text	4 th ed.
			Digital Logic Design	Brian Holdsworth and Clive Woods	4th	null	Reference	4 th ed.
			Digital Fundamentals	Floyd & Jain	8th	null	Reference	11 th ed.
			Modern Digital Electronics	R. P. Jain	4th	null	Reference	N/A
10	CSE 205	Algorithms	Introduction to Algorithms	Thomas H. Cormen, Charles E. Leiserson, Ronald Rivest, Clifford Stein	2nd, 3rd,	null, 71	Text	3 rd & 4 th ed.
			Fundamentals of Computer Algorithms	Ellis Horowitz, Sartaj Sahni and Sanguthevar Rajasekaran, Galgotia	c1998, 2nd	11 07	Reference	Available

			Algorithms	Robert Sedgewick & Kevin Wayne	4th	null	Reference	4 th ed.
			The Algorithm Design Manual	Steven S S. Skiena	2nd	null	Reference	3 rd ed.
			Algorithm design	Kleinberg, J., &Tardos, E.	(2006).	null	Reference	Available
			Fundamentals of Computer Algorithms	SAHNI HOROWITZ	2008	null	Reference	Available
11	CSE 206	Algorithms Lab	Data Structures and Algorithms	Alfred Aho, Jeffrey Ullman & John Hopcroft	c1983	1	Reference	Available
12	CSE 208	Engineering Drawing	Mechanical Engineering Drawing	Mandal, Dr. Amalesh Chandra, Dr. Md. Quamrul Islam		null	Text	N/A
			Engineering Drawing	N.D. Bhatt.		null	Text	15 th ed.
			AutoCAD For Dummies	Bill Fane		null	Reference	18 th ed.
13	CSE 209	Database Systems	Database system concepts	Silberschatz, A., Korth, H. F., & Sudarshan, S.	4th, 5th, 6th, 7th, 8th, 9th	01 13 47 Null Null null	Text	6 th & 7 th ed.
			Oracle database 10g: the complete reference.	Loney, K.	(2004).	null	Reference	N/A
			SQL for MySQL Developers: a comprehensive tutorial and reference.	Van Der Lans, R. F.	(2007).	null	Reference	Available
			Fundamentals of database systems.	Elmasri, R.	4th, 5th	01 05	Reference	7 th ed
14	CSE 210	Database Systems Lab	Database systems: the complete book	Garcia-Molina, H.	(2008).	null	Reference	2 nd ed.
15	CSE 211 CSE 219	Computer Programming and Graphics Computer Programming and Graphics Lab	Computer System Architecture	M. Morris Mano	3rd	19	Text	3 rd ed.
			Computer organization and design: the hardware/software interface	David, A., & John, H.	3rd 4 th 5th	20 27 01	Text	N/A

			COMPUTER FUNDAMENTALS	Pradeep K. Sinha	4 th 6 th	49 02	Reference	N/A
			Computer graphics: principles and practice in c	James D. Foley	2nd	32	Reference	N/A
			Computer Graphics C	Donald Hearn and M. Pauline Baker	2nd	20	Reference	2 nd
16	CSE 300	Technical Writing and Presentation	Technical Writing Process and Product	Sharon Gerson and Steven M. Gerson.	Third	null	Text	N/A
			Improving your Presentation Skills: Presentation Skills for IT Professionals	Rick. F.		null	Reference	N/A
			How to write outstanding resumes and cover letters for every situation	Arthur D. Rosenberg.		null	Reference	N/A
			Hand Book for Business writing	L. Sue Bengh/ Meridell Fryar/Devid Thonal.		null	Reference	2 nd ed.
17	CSE 301	Web Programming	Learning web design: A beginner's guide to HTML, CSS, JavaScript, and web graphics.	Robbins, J. N.	(2012).	null	Text	3 rd ed.
			Learning PHP, MySQL, JavaScript, and CSS: A Step-by-Step Guide to Creating Dynamic Websites.	Robin Nixon	4th	25	Text	6 th ed.
			Beginning html, html, CSS, and JavaScript.	Duckett, J.	(2011).	null	Reference	Available
			Web Programming Step by Step	Marty Stepp, Jessica Miller, and Victoria Kirst		null	Reference	N/A
			Learning Web Design, A Beginner's Guide	Jennifer Niederst Robbins	Fifth	null	Reference	5 th ed.

			to HTML, CSS, JavaScript and Web Graphics					
18	CSE 302	Web Programming Lab	HTML and CSS: Design and Build Websites	Jon Duckett		null	Reference	N/A
19	CSE 303	Microprocessors & Microcontrollers	Microprocessors and Interfacing	Douglas V Hall	2nd, 3rd	41 10	Text	2 nd ed.
			The Intel Microprocessors	Barry B. Brey	4th, 6th, 7th, 8th	01 04 04 15	Reference	8 th ed.
			Microprocessor and Microcontroller System	Godse	First	null	Reference	Available
20	CSE 304	Microprocessors & Microcontrollers Lab	Assembly Language Programming and Organization IBM PC	Yu, Y. Y., & Marut, C.	revised	10	Text	Available
			The AVR Microcontroller and Embedded Systems.	Mazidi, M. A., Naimi, S., & Naimi, S.	(2011).	null	Reference	Available
							Reference	
			Assembly Language for the IBM-PC	Irvine, K. R.	(1990).	null	Reference	N/A
21	CSE 307	Data Communication	Data communication and Networking. Science Engineering & Math Publications.	Foruzan, B. A.	2nd, 3rd, 4th, 5th	03 01 22 06	Text	3 rd , 4 th , 5 th ed.
			Introduction to Networking and Data Communications.	Blanchard, E.	(2000).	null	Reference	N/A
			Computer networks.	Tanenbaum, A. S., & Wetherall, D. J.	4th	38	Text	5 th , 6 th ed.
22	CSE 308	Data Communication Lab					Reference	
23	CSE 309	Operating System	Operating system concepts essentials.	Silberschatz, A., Galvin, P. B., & Gagne, G.	6th, 8th,	01 32 Null	Text	10 th ed.

					9th, 10th	null		
			Operating Systems: Internals and Design Principles	Stallings, W.	5th, 8th, 9th	null	Text	9 th ed.
			Operating Systems: Design and Implementation, Prentice Hall	Andrew S. Tanenbaum and Albert S. Woodhull.	2nd	4	Reference	3 rd ed.
24	CSE 310	Operating System Lab	Linux Command Line: a beginner's guide	Ray Yao	latest edition		Text	Available
25	CSE 311 CSE 312	Computer Networking Computer Networking Lab	Computer Networking: A Top- Down Approach	James Kurose and Keith Ross	c2001, 3rd, 5th, 6th	01 01 20 01	Reference	6 th , 8 th ed.
26	CSE 313	Software Engineering	Patterns of Enterprise Application Architecture	Martin Fowler		null	Reference	Available
			Refactoring: Improving the Design of Existing Code	Martin Fowler		null	Reference	2 nd ed.
			Software Engineering. International computer science series.	Sommerville, I. (2004).	7th, 8th, 9th	06 17 24	Text	N/A
			Software engineering: a practitioner's approach.	Pressman, R. S.	5th, 6th, 7th	01 07 27	Text	7 th , 8 th & 9 th ed.
27	CSE 314	Software Engineering Lab	Deep Learning with Python	Nihkil Ketkar		null	Reference	2 nd ed.
			Design Patterns: Elements of Reusable Object- Oriented Software	Richard Helm, Erich Gamma Ralph Johnson, John Vlissides, and Grady Booch		null	Reference	N/A
			Code Complete: A Practical Handbook of Software Construction	Steve McConnell		null	Reference	2 nd ed.
28	CSE 315	Mathematical Analysis for	Concrete Mathematics: A	Ronald L. Graham, Donald E.	2nd	null	Text	2 nd ed.

		Computer Science	Foundation for Computer Science	Knuth, Oren Patashnik				
			Introduction to Probability Models	Sheldon M. Ross	Ninth	null	Reference	10 th & 12 th ed.
29	CSE 317	Mathematical Analysis for Computer Science	Introduction to Queueing Theory	Robert B. Cooper	2nd	null	Text	2 nd ed.
			Mathematics for Computer Science	Eric Lehman, F Tom Leighton, Albert R Meyer		null	Reference	rev ed.
30	CSE 321	Human Computer Interaction	Human Computer Interaction	A. Dix and J. E. Finlay.	5th	null	Text	3 rd ed.
			Interaction Design	Preece J., Rogers Y., Sharp H.	5th	null	Reference	5 th ed.
31	CSE 401	Mobile Application Development	Android Programming: The Big Nerd Ranch Guide	Big Nerd Ranch Guides	3rd	null	Text	4 th ed.
			Mobile Computing Principles	Reza B'Far		null	Reference	Available
			Hello, Android, The Pragmatic Bookshelf.	Ed Burnette	2010	null	Reference	N/A
			Android App Development in Android Studio: Java + Android Edition For Beginners (2017)	J. Paul Cardle		null	Reference	Available
32	CSE 402	Mobile Application Development Lab	Android Programming Tutorials	Mark L. Murphy		null	Text	3 rd ed.
			Android App Development in Android Studio	J. Paul Cardle		null	Reference	Available
			Android Programming Cookbook	Chryssa		null	Reference	Available
33	CSE 403	Artificial Intelligence	Artificial Intelligence: A Modern Approach	Peter Norvig, Stuart J. Russell	2nd, 3rd, 4th	04 34 null	Text	3 rd ed.
			Artificial Intelligence by Example: Acquire advanced AI, machine learning, and deep learning design skills	Denis Rothman	2nd	null	Reference	2 nd ed.

			ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	VINOD CHANDRA S.S. and ANAND HAREENDRAN S.		null	Reference	N/A
			ARTIFICIAL INTELLIGENCE: PRINCIPLES AND APPLICATIONS	VINOD CHANDRA S.S. and ANAND HAREENDRAN S.		null	Reference	N/A
			“Artificial Intelligence: A guide to Intelligent Systems”	M. Negnevitsky	2002	null	Reference	N/A
34	CSE 404	Artificial Intelligence Lab	Introduction to Turbo Prolog	Carl Townsend		null	Reference	
			Prolog Programming for Artificial Intelligence	Ivan Bratko E. Kardelj University. J. Stefan Institute Yugoslavi	4th	null	Reference	4 th ed.
			Machine learning	Mitchell, T.M.	1997	null	Reference	Available
35	CSE 405	Software Engineering	Software Engineering. International computer science series	Sommerville, I.	7th, 8th, 9th	06 17 24	Text	10 th ed.
			Software engineering: a practitioner's approach.	Palgrave Macmillan, Pressman, R. S.	5th, 6th, 7th	01 07 27	Text	7 th , 8 th & 9 th ed.
36	CSE 406	Software Development and Testing Lab	Design Patterns: Elements of Reusable Object-Oriented Software	Richard Helm, Erich Gamma Ralph Johnson, John Vlissides, and Grady Booch		null	Reference	Available
			Code Complete: A Practical Handbook of Software Construction	Steve McConnell		null	Reference	2 nd ed.
37	CSE 411	Computer & Cyber Security	The Art of Invisibility	Kevin Mitnick		null	Reference	Available
			Cryptography and network security	William Stallings	4th, 8th	11 null	Text	4 th , 5 th & 6 th ed.
			Cryptography & Network Security Textbook	Behrouz A. Forouzan	6th	null	Text	Available

38	CSE 411	Introduction to Natural Language Processing	Foundations of statistical natural language processing.	Manning, Christopher, and Hinrich Schutze.	1999	null	Reference	Available
			Speech and language processing	Parsing, Constituency.	2009	null	Reference	N/A
			natural language processing with python	Steven Bird	1st	14	Text	Available
							Reference	
39	CSE 413	Wireless Networks	Introduction to Wireless and Mobile Systems	Dharma Prakash Agrawal and Qing-Ang Zeng	3rd	null	Reference	3 rd ed.
			Mobile Communications	Jochen H. Schiller	2nd	null	Reference	2 nd ed.
			Wireless Communications and Networks	William Stallings	2nd	null	Reference	2 nd ed.
40	MAT 009	Remedial Math	Coordinate geometry & Vector Analysis''	Rahman & Bhattacharjee.		null	Reference	N/A
			Advanced Engineering Mathematics	H K Dass		null	Reference	Available
			Calculus	H. Anton, IRL Vibens, S. Davis,	10th	15	Text	N/A
41	MAT 101 MATH 101	Differential and Integral Calculus	Elements of the Differential and Integral Calculus	William Anthony	Latest	null	Reference	Available
			Calculus	James Stewart	Sixth	null	Reference	6 th ed.
			Differential & Integral Calculus	Dr. Abdul Matin		null	Reference	N/A
			Differential and Integral Calculus with Example and Applications	George A. Osborne	Revised	null	Text	N/A
			Differential and Integral Calculus	R. Courant, E. J. McShane	2nd	null	Reference	2 nd ed.
42	MAT 103 MATH 103	Ordinary and Partial Differential Equation and Coordinate geometry	Introduction to Ordinary Differential Equations	Shepley L. Ross.	4th	null	Text	4 th ed.
			Vector Analysis & an introduction to Tensor Analysis	Murray R. Spiegel	1st	null	Text	2 nd ed.

			Coordinate geometry & Vector Analysis	Rahman & Bhattacharjee.		null	Reference	N/A
			Advanced Engineering Mathematics	H K Dass		null	Reference	Available
			A First Course in Differential Equations with Modelling Application	Dennis G. Zill	10th	null	Reference	9 th , 10 th , 11 th ed.
			Ordinary and Partial Differential Equations	M.D. Raisinghania, S. Chand		null	Reference	18 th ed.
43	MAT 105	Linear Algebra & Vector Analysis	Elementary Linear algebra	Howard Anton	9th	null	Text	11 th , 12 th ed.
			Linear Algebra and Its Applications	Gilbert Strang	4th	null	Reference	4 th ed.
			Vector Analysis & an introduction to Tensor Analysis	Murray R. Spiegel,	1st	null	Reference	2 nd ed.
44	MAT 201	Statistics and Complex Variables	Probability and Statistics for Engineers & Scientists.	Walpole and Myers.	9th	null	Text	9 th ed.
			Complex Variables and Application	James Ward Brown and Ruel V. Churchill	7th	null	Reference	7 th , 8 th & 9 th ed.
			An Introduction to Statistics and Probability	Nurul Islam		null	Reference	N/A
45	MATH 205	Linear Algebra & Complex Variable	Elementary Linear algebra	Howard Anton	9th	null	Text	11 th & 12 th ed.
			Linear Algebra and Its Applications	Gilbert Strang	4th	null	Reference	4 th ed.
			Linear Algebra	Professor Md. Abdur Rahman		10	Reference	N/A
			Complex Variables and Application	James Ward Brown and Ruel V. Churchill	7th	null	Reference	7 th , 8 th & 9 th ed.
			Elementary Linear Algebra	Larson and David C. Falvo	6th	10	Reference	6 th ed.
46	MATH 207	Coordinate Geometry & Vector Analysis	The Elements of Coordinate Geometry	S.L. Loney		null	Text	Available

			Vector Analysis & an introduction to Tensor Analysis	Murray R. Spiegel	1st	null	Reference	2 nd ed.
			Coordinate geometry & Vector Analysis	Rahman & Bhattacharjee		null	Reference	N/A
47	MATH 209	Probability and Statistics	Probability and Statistics for Engineers & Scientists.	Walpole and Myers	9th	null	Text	9 th ed.
			An Introduction to Statistics and Probability	Nurul Islam		null	Reference	N/A
			Probability and Statistics for Engineers and Scientists	Walpole, Myers, Ye,	9th	null	Reference	9 th ed.
48	GED 104	Fundamentals of Computer	Computer fundamentals: concepts, systems & applications	Pradeep K Sinha, Priti Sinha	4th, 6th	49, 02	Text	N/A
			Introduction to Computers	Peter Norton	c1999, 4th, 6th, 7th	01 01 06 41	Text	6 th ed.
			Computer Fundamentals	ANITA GOEL		null	Reference	N/A
49	CSE 451	Data Mining	Data Mining: Concepts and Techniques	Han, J., Kamber, M. and Pei,	3rd	null	Text	3 rd ed
			Database System Concepts	Silberschatz, A., Korth, H.F. and Sudarshan, S	7th	null	Reference	6 th & 7 th ed.
			Data Mining: The Textbook	Charu C. Aggarwal		null	Reference	Available