

**LIBRARY BOOKS REQUIRED**

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**GEC THRISSUR**

NO	NAME OF THE BOOK	AUTHOR	PUBLISHER	QTY
1	Distributed generation and smart grid	Dileep G	Advay publicatons	6
2	Smart Grid: Fundamentals of Design and Analysis	James Momoh	Wiley	6
3	Networks and Systems	D Roy Chaudhuri	New Age Publishers	6
4	Circuit Theory (Analysis and Synthesis)	A . Chakrabarti	Dhanpat Rai &Co	12
5	Circuits and Networks: Analysis and Synthesis, 5e	Sudhakar and Shyam Mohan	Mc Graw Hill Education	8
6	Electronic Principles 7/e, Tata McGraw Hill, 2010.	Malvino A. and D. J. Bates	Tata McGraw Hill, 2010	8
7	Electronic Devices and Circuit Theory, 10/e	Boylestad R. L. and L. Nashelsky	Pearson Education India, 2009	9
8	Linear Integrated Circuits	Choudhury R	New Age Publishers 2008	12
9	Electrical Machinery, 7/e	Bimbira P. S	Khanna Publishers, 2011.	12
10	Theory of AC Machines, Tata McGraw Hill, 2006	Nagrath J. and D. P. Kothari	Tata McGraw Hill, 2006	6
11	Programming in ANSI C, Tata McGraw Hill, New Delhi	E. Balaguruswamy	Tata McGraw Hill	8
12	Introduction to Computation and programming using Python	John V Guttag	PHI Learning,	8
13	Electrical Machines,	Deshpande M. v	Prentice Hall India, 2011.	8
14	Theory of AC Machines	Nagrath J. and D. P. Kothari	Tata McGraw Hill, 2006	10
15	Digital Fundamentals , 10/e, Pearson Education, 2011	Floyd T.L		8
16	Power Electronics Circuits, Devices and Applications	Muhammad H. Rashid	Pearson Education	10
17	Automatic Control Systems, Prentice Hall of India, New Delhi, 2002.	Kuo B. C.	Prentice Hall India, 2011.	6
18	Microprocessor, Architecture, Programming and Applications	Ramesh Gaonkar	Penram International Publishing; Sixth edition, 2014	6
19	The 8051 microcontroller and embedded systems using Assembly and C”,second edition	Mohamed Ali Mazidi,Janice Gillispie Mazidi	Pearson education	9
20	8051 Microcontroller: Architecture, Programming and Applications -	Kenneth.J.Ayala	Cenage learning	9
21	Non-Conventional Energy Resources	Khan B. H	Tata McGraw Hill, 2009	6
22	Introduction to Robotics 2e	S K Saha	Tata McGraw Hill	8
23	Principles of Power System	V.K.Mehta,S.Chand	V Publications	8
24	Elements of Engineering Electromagnetics	Nannapeni Narayana Rao	Prentice Hall India	8
25	Elements of Electromagnetics	Sadiku M. N. O	Oxford university Press, 2010	8

26	Modern Power System Analysis, 2/e	Kothari D. P. and I. J. Nagrath	TMH, 2009.	10
27	Power System Analysis, 2/e	PRABHA KUNDUR	McGraw Hill, 2002	8
28	Basic Electrical Engineering	D C Kulshreshtha	Tata McGraw Hill, 2010	8
29	A Course in Electrical Machine Design	A K Sawhney	Dhanpat rai and sons, Delhi.	8
30	Special Electrical Machines	E. G. Janardhanan	PHI Learning Private Limited.	6
31	Modern control systems,12 edition	Richard C Dorf,Robert H Bishop	Pearson education	12
32	Non-Conventional Energy Resources	Sawhney G. S	PHI Learning, 2012	6
33	Basic Electrical Engineering	D P Kothari and I J Nagrath	Tata McGraw Hill, 2010	6
34	Microprocessors & Microconrollers	A Nagoor kani	Mc Graw Hill Education	3
35	Digital Signal Processing	P Ramesh Babu	Scitech Publications	10
36	Electrical & Electrtonic Measurements & Instrumentation	A K Sawhney	Dhanpat rai and sons, Delhi.	5
37	DC machines & Transformers	K Murugesh Kumar	Vikas Publishing House	8
38	Electrical Engineering Materials	Dr C S Indulkar	S Chand	6
39	Basic Electrical & Electronics Engineering	S K Bhattacharya	Pearson education	8
40	Fundamentals of Digital Circuits	A Anand Kumar	PHI Learning Private Limited.	9
41	Switchgear protection and power systems	khanna publications	Sunil S Rao	6
42	Control Systems Engineering	I J Nagrath,M Gopal	New Age International	12
43	Modern control Engineering 5e	Ogata	Pearson education	9
44	High voltage Engineering	Naidu M S & Kamaraju	Tata McGraw Hill	5

Sl. No	Title	Author	Publisher	Edition	No. of copies
1	Indian Architecture (Buddhist And Hindu Period)	Percy Brown	Read Books	2 ND	1
2	Indian Architecture: Islamic Period	Percy Brown	CBS Publishers & Distributors	1 ST	1
3	The Urban Pattern 5th edition	Arthur B. Gallion	CBS Publishers & Distributors	5 TH	1
4	HISTORY OF URBAN FORM BEFORE THE INDUSTRIAL REVOLUTION 3RD ED	AEJ Morris	AEJ Morris	3 RD	1
5	The City in Time and Space	Aidan Southall	Cambridge University Press	1 ST	1
6	URBAN AND REGIONAL PLANNING	Peter Hall, Mark Tewdwr-Jones	Routledge	5 TH	1
7	SURVEYS IN SOCIAL RESEARCH	De Vaus D.A	Routledge	6th	1
8	"Research Methodology	Panneerselvam	Prentice Hall of India, New Delhi	2 nd	1
9	"How to Write and Publish a Scientific Paper	Day R A	Cambridge University Press	7 th	1
10	CONSERVING ARCHITECTURE	Kulbushan Jain and Minakshi Jain			1
11	ARCHITECTURE CONCEPTUAL TO THE MAINFEST	Kulbushanshan Jain and Minakshi Jain			1
12	Urbanisation in India - Challenges, Opportunities and the Way Forward.	Ahluwalia, Isher Judge, et.al	SAGE India	1st	1
13	Conservation of Historic buildings.	Feilden, Bernard M.	Routledge	3 rd	1
14	THE ARCHITECTURE OF THE INDIAN SULTANATES	A. Lambah (Editor), A. Patel	The Marg Foundation		1
15	Probability And Statistics For Engineers & Scientists 7/e	walpole	pearson		1
16	Art of Ancient India	Susan L. Huntington	Motilal Banarsidass	2nd	1
17	Social history of Indian architecture	V \$ Parmar	Craftsman House		1
18	ISLAMIC ART THE PAST AND MODERN	nuzhat kazim	Lustre/Roli Books;	2009	1
19	BAMBOO DESIGN GUIDE & 59 CASE STUDY	Eduard Broto	Links International		1

**LIST OF BOOKS -FOREIGN AUTHORS**

Sl. No	Title	Author	Publisher	Edition	No. of copies
1	CITIES AND THE WELATH OF NATIONS : PRINCIPLES OF ECONOMIC LIFE	Jane Jacobs	Vintage	Reprint	1
2	THE ECONOMY OF CITIES	Jane Jacobs	Vintage	1 st	1
3	Statistical Analysis for Engineers and Scientists	J.W Barnes	McGraw Hill, New York.	Subsequent	1
4	Traditional buildings of India	Cooper, I.	Thames and Hudson Ltd,London,	1 st	1
5	WORLD ARCHITECTURE SERIES : INDIA - MODERN ARCHITECTGURE IN HISTORY	Viswambar Nath			1
6	ARCHITECTURE IN THE ISLAMIC WORLD - MODERNITY AND COMMUNITY	Charles Correa	Thames & Hudson		1
7	Environmental Impact Assessment	Larry W. Canter	McGraw-Hill, Inc., New York,	2 nd	1
8	Emerging Concepts in Urban Space Design	Geoffrey Braodbent	Taylor & Francis	1 st	1
9	The Concise Townscape	Gordon Cullen	Architectural Press		1
10	Landscape Architecture – The Shaping of Man's Natural Environment	Simonds J.O.,	McGraw-Hill		1
11	Designing the New Landscape.	Lyll S.	Thames and Hudson		1
12	Adapting cities to climate change: Understanding and addressing the development change	Bicknell, J.	Routledge	1st	1
13	Cities and Climate Change,	Cynthia Rosenzweig, William D. Solecki	Cambridge University Press	1st	1
14	Understanding Architecture	Hazel Conway and Rowan Roenisch	Routledge Taylor and Francis Group		1
15	Building Ideas – An introduction to Architectural Theory	Jonathan A Hale	John Wiley & Sons Ltd.		1
16	Sculpture-Principle and Practice	Luis Slobodkin	Cleveland and New York World c		1

17	Technical Communication		Anderson, P.V	Thomson Wadsworth		1
18	The Design of Everyday Things		Don Norman	Hachette Audio		1
19	Ways of Seeing		John Berger	John Wiley & Sons		1
20	The Eyes of the Skin: Architecture and the Senses		Juhani Pallasmaa	McGraw-Hill		1
21	Introduction to Architecture		francis ching	Routledge		1
22	The Architecture of Use: Aesthetics and Function in Architectural Design		Stephen Grabow, Kent Speckelmeyer	Routledge		1
23	"Understanding Architecture: Its Elements, History and Meaning"		Leland M Roth	Westview Press	1st	1
24	ISLAMIC ART AND ARCHITECTURE		Moya Carey	Lorenz Books		1
25	The Story of Architecture FROM ANTIQUITY TO THE PRESENT		Patrick Nuttgens			1
26	Drawing and Perceiving		Cooper Douglas	Wiley	4 th	1
27	Building with Bamboo		Gernot Minkev	Birkhäuser	revised	1
28	SURVIVING CLIMATE CHANGE : THE STRUGGLE TO AVERT GLOBAL CATASTROPHE		David Cromwell (Author), Mark Levene	Pluto Press		1
29	THE CLIMATE REVEALED		William J Burroughs	Cambridge Univ Pr		1
30	DESIGN WITH CLIMATE : BIOCLIMATIC APPROACH TO ARCHITECTURAL REGIONALISM		Victor Olgyay	Princeton University Press	revised	1
31	EXTREME WEATHER & CLIMATE		C. Donald Ahrens (Author), Perry Samson			1

32	THE GLOBAL WARMING READER : A CENTURY OF WRITING ABOUT CLIMATE CHANGE	<u>Bill McKibben</u>	Penguin Books		1
33	BUILDING FOR A CHANGING CULTURE AND CLIMATE : WORLD ATLAS OF SUSTAINABLE ARCHITECTURE	<u>Ulrich Pfammatte</u>	DOM Publishers		1
34	A CASE FOR CLIMATE ENGINEERING	David Keith (Author) , Deborah Chasman	The MIT Press		1
35	Passive and low energy cooling of Buildings	Baruch Givoni	ohn Wiley & Sons Australia		1

# Computer Science

	TITLE	AUTHOR	PUBLISHER	QUANTITY
1	A Guide to Expert Systems	Waterman	Pearson education	1
2	Ad Hoc Mobile Wireless Networks Protocols and System	Toh	Pearson	1
3	ADTs, Data Structures, and Problem Solving with C++, 2e	Nyhoff	Pearson education	1
4	Advanced Compiler Design and Implementaiton	Stevens S Muchnick	Elsevier	1
5	Advanced Data Structures	Peter Brass	Cambridge University Press,	1
6	Agile Automation and Unified Functional Testing, 1e	Rajeev Gupta	Pearson education	1
7	Algorithm Design,1e	Kleinberg	Pearson education	2
8	Algorithms	Johnsonbaugh	Pearson education	2
9	Algorithms + Data Structures = Programs,	Wirth, N.	Prentice Hall	1
10	An introduction to Research Methodology	Garg, B.L., Karadia, R., Agarwal, F	Rbsa Publishers	1
11	An integrated approach to Software Engineering	Pankaj Jalote	Springer/Narosa	1
12	An introduction to database systems	C/J Date, A Kannan, S. Swamynathan	Pearson	1
13	An introduction to Design and Analysis of Algorithm,2e	Levitin	Pearson education	2
14	An Introduction to Digital Computer Design	Rajaraman V. and T. Radhakrishnan	Prentice Hall India Private Limited	1
15	An Introduction to Operating Systems: Concepts and Practice, 3/e,	Bhatt B. C. P	PHI	1
16	An Introduction to Parallel Computing : Design and Analysis of Algorithms (English) 2nd Editio	Vipin Kumar , Ananth Grama , Anshul	Pearson India	1
17	ANSI C Programming	Gary J. Bronson,	CENGAGE Learning India.	1
18	Applications of Abstract Algebra with Maple	Khima, R E, Sigmon, N and Stitzinger	T&F	1
19	Artificial Intelligence	Russel	Pearson	1
20	Artificial Intelligence : Structures and Strategies for Complex Problem Solving,5e	Luiger	Pearson education	1
21	Artificial Intelligence and Soft Computing, First Edition	Amit Kumar	CRC Press	1
22	Artificial Intelligence, 2/e	E. Rich, kknigh	Mcgraw-hill	1
23	Automata ,Computability and Complexity: Theory and Applications	Rich	Pearson education	1
24	Big data Analytics with R and Hadoop	Vignesh Prajapati	PACKT Publishing Limited	1
25	Big Data Glossary	Pete Warden,	O'Reilly	1
26	Bio Informatics Computing, 2e	Bryan Bergeron	Pearson Education	1
27	Biostatistical Analysis, 4/e	J. H. Zar	Pearson Education	1
28	Building Machine Learning Systems with Python	Willi Röhbert	Packt Publishing Limited	1
29	Classic Data Structures, 2/e	Samanta D.	Prentice Hall India,	3
30	Cloud Application Architectures: Building Applications and Infrastructure in the Cloud(Theory	George Rdese	O'Reilly Publications	1
31	Cloud Computing	Toby Valtz, Anthony Velts, Robert Elst	A Practical Approach, TMH	1
32	Cloud Security	Ronald L. Krutz, Russell Dean Vines,	Wiley	1
33	Combinatorial Optimization: Algorithms and Complexity, Dover	C. H. Papadimitriou and K. Steiglitz		1
34	Compilers Principles, Techniques and Tools, 2e	Aho	Pearson Education	2
35	Complexity and Cryptography An Introduction	John Talbot , Dominic Welsh	Cambridge University Press	1
36	Computational Intelligence: Concepts to Implementations	Russell C. Eberhart, Yuhui Shi	Morgan kaufman	1
37	Computer Algorithms: Introduction To Design & Analysis,3e	Baase	Pearson education	3
38	Computer Architecture: A Quantitative approach,Fifth Edition	Hennesy J.L. & Pattersen D. A.	Elsevier	1
39	Computer Basics and C Programming	Rajaraman V	Prentice-Hall, India	1
40	Computer Forensics and Cyber C	Britz	Pearson education	1
41	Computer fundamentals and Programming in C	Anita Goyal and Ajay Mittal,	Pearson	1
42	Computer Graphics Principles and Practice	Forley J.D, Van Dam A,Feiner S K & H	Pearson education	2
43	Computer Graphics Principles and Practice In C,2e	Foley	Pearson education	1
44	Computer Graphics with OpenGL, 4e	Heam	Pearson education	2
45	Computer Graphics, C Version, 2e	Heam	Pearson education	2
46	Computer Networking:A Top-Down Approach,5/e	Kurose/Ross	Pearson education	1
47	Computer Networks, 5e	Tanenbaum	Pearson education	1
48	Computer Organization 5/e(PB)	Hamacher	McGraw-Hill Education	1
49	Computer Organization and Architecture	Rajaraman V. and T. Radhakrishnan,	PHI	1
50	Computer Organization and Architecture: Designing for Performance,9e	Stallings	Pearson education	2
51	Computer Organization and Design, 5/e	Patterson D.A. and J. L. Hennessey,	Morgan Kaufmann Publishers	1
52	Computer Security: Principles and Practice, 2 nd Edition	W. Stallings	Prentice Hall	1
53	Computer System Architecture, 3/e, Pearson Education	M. Morris Mano	Pearson Education	2
54	Computer Vision: A Modern Approach,2e	Forsyth/Ponce	PHI	2
55	Content Networking: Architecture, Protocols, and Practice	Markus Hoffmann and Leland R. Bea	Elsevier	1
56	Core Java: An Integrated Approach	Nageswarao R	Dreamtech Press	1
57	Cryptography & Network Security: Principles and Practices, 6e	PHI	Pearson education	3
58	Cryptography and Network Security – Principles and Practices :	William Stallings	Pearson Education	1
59	CUDA for Engineers: An Introduction to High-Performance Parallel Computing,1e	Storti	Pearson education	2
60	Data & Computer Communication, 9e	Stallings	Pearson education	1
61	Data Communication & Networking 5/e	Forouzan	McGraw-Hill Education	1
62	Data Mining: Concepts and Techniques, Third edition	Jiawei Han , Micheline Kamber and Jia	Morgan Kaufmann publishers	1
63	Data Mining: Introductory and Advanced Topics	Dunham/Richard	Pearson education	1
64	Data Structures : A Pseudocode Approach with C	Gilberg	Cengage	1
65	Data Structures and Algorithm Analysis in C++, 3e	Weiss	Pearson education	1
66	Data structures and Algorithms in Java	Drake	Pearson education	2
67	Data Structures and Algorithms, 2e	Aho	Pearson education	1
68	Data structures and Program Design in C	Kruse	Pearson education	1
69	Data Structures Using C	Bandyopadhyay	Pearson education	1
70	Data Structures using C	Tanenbaum	Pearson education	1
71	Data Structures using C and C++, 2e	Langsam/Augenstein/Tanenbaum	PHI	1
72	Data Structures using C, 2e	Sharma	Pearson education	1
73	Data Structures: A Pseudocode Approach with C, 2/e	Richard F. Gilberg, Behrouz A. Forouz	Cengage Learning	3
74	Database System Concepts	Abraham Silberschatz, Henry F Korth	McGraw Hill Education	1
75	Database Systems – A practical approach to Design	Thomas M. Connolly, Carolyn E Begg	Pearson India	2
76	Database Systems Design, Implementation and Management Course Technology	Coronel, Motis, Rob	Course Technology Inc; International ed editi	1
77	Database Management Systems	Alexis Leon and Mathews Leon	Leon Press - Chennai	1
78	Database System Concepts, 6/e	Silberschatz, A., H. F. Korth and S. Sud	McGraw Hill	3
79	Database Systems: Models, Languages, Design andApplication Programming	Elmasri R. and S. Navathe	Pearson Education	3
80	Datamining and Warehousing, 1st Edition	M Sudheep Elayidom,	Cengage Learning India Pvt Ltd	1
81	Design and Analysis of Algorithms,2e	Dave	Pearson education	1
82	Digital Design and Computer Architecture, 2/e,	Harris D. M. and, S. L. Harris,	ELSEVIER INDIA PVT. LTD.-NEW DELH	2
83	Digital Design, 4/e,	Mano M. M. and M. D Ciletti,	Pearson Education,	1
84	Digital Fundamentals, 10/e,	Floyd T. L.	Pearson Education	3
85	Digital Image Processing 3e	Gonzalez	Pearson education	1
86	Digital Logic & Computer Design, 4/e	Mano M. M.	Pearson Education	3
87	Digital Principles and Applications, 8/e	Leach D, Milvino A P, Saha G	McGraw Hill Education	1
88	Discrete and Combinatorial Mathematics, 5e	Grimaldi/Ramona	Pearson education	4
89	Discrete Mathematics for Computer Scientists and Mathematicians, 2/e	Joe L Mott, Abraham Kandel, Theodor	Prentice-Hall India	1
90	Discrete Mathematics, 5/e	Richard Johnsonbaugh	Pearson Education	1
91	Distributed and Cloud Computing, From Parallel Processing to the Internet of Things	Kai Hwang, Geoffrey C Fox, Jack G D	Morgan Kaufmann Publishers	1
92	Distributed Operating Systems and Algorithms	Randy Chow and Theodore Johnson	Pearson India	1
93	Distributed Systems 2nd Edition	Andrew S Tanenbaum	Pearson Education	1
94	Electronic Circuits, Analysis and Design, 3/e	Neamen D	Mcgraw Hill Education	1
95	Electronic Devices and Circuit	Maini A. K. and V. Agrawal	Wiley India	1

96	Electronic Devices and Circuit Theory 10/e	Robert Boylestad and L. Nashelsky	Pearson	1
97	Electronic Devices and Circuits V	David A Bell	Oxford University Press	3
98	Electronic Devices Circuits, 6/e	Bogart T. F.	Pearson	1
99	Elements of the Theory of Computation,2e	Lewis/Papadimitriou	PHI	1
100	Embedded Android	Karim Yaghmour	Shroff Publishers & Distributors Pvt Ltd	1
101	Embedded System Design: A Unified Hardware/Software Introduction	Frank Vahid and Tony Givargis	Wiley India, 2002.	2
102	Engineering Optimization; Theory and Practice	S.S.Rao	New Age International Publishers	1
103	Evolutionary computation a unified approach	Kenneth A. Dejong	MIT press	2
104	Express Learning - Artificial Intelligence	Shivani Goel	Pearson education	1
105	Express Learning - Computer Fundamentals and Programming	Ashok Kamthane/ITL ESL	Pearson education	1
106	Express Learning-Introduction to Information Technology	ITL ESL	Pearson education	1
107	Formal Language and Automata Theory,2e	Sunitha	Pearson education	1
108	Foundations of software testing	Aditya Mathur	Pearson Education	1
109	Foundations of Software Testing, 2e	Mathur	Pearson education	1
110	Fundamental concepts of Bioinformatics	Krane	Pearson education	1
111	Fundamentals of Algorithmics	Brassard/Bratley	PHI	3
112	Fundamentals of Data Structures in C	Horwitz E., S. Sahni and S. Anderson,	University Press (India)	1
113	Fundamentals of Database Systems:Models , Languages , Design and Application Programmin	Elmasri	Pearson education	6
114	Fundamentals of Digital Image Processing	Anil K.Jain	Phi Learning	1
115	Fundamentals of Neural Networks: Architectures, Algorithms and Applications	Fausett	Pearson education	1
116	Fundamentals of Python - First programs	Lambert K. A	Cengage Learning India	1
117	Fundamentals Of Software Engineering	Rajib Mall	PHI	2
118	Fundamentals of Wireless Communication	David Tse and Pramod Viswanath	Prentice Hall, 2003	1
119	Fuzzy Sets and Fuzzy Logic: Theory and Applications	George J Klir/Bo Yuan	PHI	1
120	Fuzzy Sets and Fuzzy Logic-Theory and Applications	Marco Dorigo, Thomas Stütze,George	PHI	1
121	Genetic Algorithms in Search, Optimization and Machine Learning	David E. Goldberg,	Addison Wesley	1
122	Graph Theory	Agnarsson	Pearson education	1
123	Guide to Wireless Adhoc Networks	Sudeep Mishra, IsaacWoungang	springer	1
124	Handbook of Software Reliability Engineering	Michael Lyu (ed.)	IEEE Computer Society Press	1
125	Harness the Power of Big data – The big data platform	Paul Zikopoulos, Dirk deRoos, Krishna	McGraw Hill	1
126	Head First Java, 2/e	Sierra K	O'Reilly	1
127	How to solve it by computer	Dromy R. G	Pearson	1
128	How to think like a computer scientist: Learning with python	Allen Downey	John Wiley	1
129	Image Processing, Analysis and Machine Vision, ThirdEdition	Milan Sonka, Vaclav Hlavac and Roge	Cengage Learning	1
130	Internetworking IPV6 with CISCO Routers	Silvano gai	McGraw-Hill Inc. US	1
131	Introduction to Artificial Intelligence	Charniak	Pearson education	1
132	Introduction to Bioinformatics	Attwood	Pearson education	1
133	Introduction to Data Structures in C	Kamthane	Pearson education	1
134	Introduction to Data Structures using Java	Cousins	Pearson education	2
135	Introduction to Formal Languages, Automata Theory and Computation	Krithivasan	Pearson education	2
136	Introduction to Information Technology, 2e	ITL ESL	Pearson education	1
137	Introduction to Java Programming, 7/e	Y. Daniel Liang	Pearson	1
138	Introduction to Linear Algebra, 4th Edn	Strang, G	cengage learning	1
139	Introduction to Machine Learning, third edition	Ethem Alpaydin	PHI learning pvt Ltd	1
140	Introduction to Operations Research	Hillier ,Lieberman	McGraw-Hill	1
141	Introduction to Parallel Algorithms and Architectures: Arrays, Trees, Hypercubes	F Thomas Leighton		1
142	Introduction to Programming in Java: An Interdisciplinary Approach	Sedgewick/Wayne	Pearson education	4
143	Introduction to Soft Computing:Neuro-Fuzzy and Genetic Algorithms	Samir Roy/Udit Chakraborty	Pearson education	2
144	Introduction to Unix and Shell Programming	Venkateshmurthy	Pearson education	3
145	Java How to Program(Early Objects), 10e	Deitel	PHI	1
146	Java in A Nutshell, 5/e	Flanagan D	O'Reilly	1
147	JAVA Programming	Rajkumar	Pearson education	1
148	Java: The Complete Reference, 8/e	Herbert Schildt	Tata McGraw Hill	3
149	Languages and Machines:An Introduction to the Theory of Computer Science,3e	Sudkamp	Pearson education	1
150	Law relating to patents, trademarks, copyright designs and geographical Indications	Wadhra, B.L	Universal Law Publishing Co Ltd	1
151	Learning OpenCV	Gary Radski ,Adrian Kachler	O'Reilly Media	1
152	Learning Probabilistic Graphical Models in R	David Bellot	Packt Publishing Limited	1
153	Learning scikit-learn: Machine Learning in Python	Raúl Garreta, Guillermo Moncecchi	Packt Publishing	1
154	Machine Learning With R	Brett Lantz	Brett Lantz	1
155	Management Research Methodology, Integration of principles, Methods and Techniques	K. N. Krishnaswamy, Appa Iyer Siva	Prentice	1
156	Mastering Probabilistic Graphical Models Using Python	Ankur Ankan, Abinash Panda	Packt Publishing Limited	1
157	Mastering Scala Machine Learning	Alexander Kozlov	Packt Publishing Limited	1
158	Mathematical programming: Theory and Methods	S.M. Sinha	Elsevier	1
159	MIMO Wireless Communications	C Oestges and B Clerckx	ELSEVIER	1
160	Mining the Social Web	Matthew A. Russell	O'Reilly	1
161	Mobile Communications	J Schiller	Addison-Wesley	1
162	Modern Information Retrieval	Yates	Pearson education	1
163	Modern Operating Systems,	Andrew S Tanenbaum, Herbert Bos,	pearson	1
164	MPLS and VPN architecture	Irvan Pepelnjk, Jim Guichard and Jeff	Cisco Press	1
165	Multimedia:computing , communications and applications	Steinmetz R & Nehrstedt K	Pearson education	2
166	Natural Language Processing with Python	Steven Bird, Ewan Klein, Edward Lope	Shroff	1
167	Network Security Essentials-Applications and Standards, 4e	Stallings	Pearson education	1
168	Networking All-in-One For Dummies	Doug Lowe	Wiley India Pvt Ltd	1
169	Networks for Computer Scientists and Engineers	Youlu Zheng & Shakil Akhter,	Oxford University Press	1
170	Neural Networks	Freeman	Pearson education	1
171	Neural Networks Algorithms, Applications, and Programming Techniques	James A. Freeman and David M. Skapu	Pearson	1
172	Neural Networks and Learning Machines, 3e	Haykin	PHI	1
173	Neuro-Fuzzy and SoftComputing	Jang/Sun/Mizutani	Pearson education	1
174	Neuro-Fuzzy and SoftComputing:A Computational Approach to Learning and Machine Intellig	Jang/Sun/Mizutani	PHI	3
175	Object Oriented Analysis and Design with Applications, 3e	Booch	Pearson education	2
176	Object Oriented Design with UML and Java	Barclay K, J. Savage	Elsevier	1
177	Object Oriented Modelling and Design with UML, 2e	Blaha/Rumbaugh	Pearson education	2
178	Object Oriented Systems Development using the Unified Modeling Language	Bahrami A	McGraw Hill	3
179	OpenCV with Python Blueprints	Michael Beyeler	Packt Publishing Limited	1
180	Operating System Concepts 8 edition	Abraham Silberschatz, Peterson B. Ga	WILEY	1
181	Operating System Concepts 9th Edition	Abraham Silberschatz, Peter B Galvin,	Wiley India	3
182	Operating System, 3e	Deitel	Pearson education	1
183	Operating Systems, 3e PB	Nutt, Gary	Pearson education	1
184	Operating Systems, 7e	Stallings	Pearson education	1
185	Optimization for Engineering: Design-Algorithms and Examples	Kalyanmoy Deb	Prentice Hall	1
186	Parallel Programming in C with MPI and OpenMP	M J Quinn	Mc-Grawhill Education	1
187	Parallel Programming: Techniques and Applications using Networked Workstations and Paralle	Wilkinson	Pearson education	2
188	Pattern Recognition and Image Analysis	Gose/Richard Johnsonbaugh/Jost	PHI	2
189	Prelude to Programming: Concepts & Design	Venit, S. and Drake, E.,	Pearson India	1
190	Problem Solving & Programming Concepts	Sprankle , M.	Pearson India	1
191	Programming and Data Structures	Kamthane	Pearson education	1



192	Programming Collective Intelligence	Toby Segaran	O'Reilly	1
193	Programming in C, 3e	Kamthane	Pearson education	1
194	Programming in C++, 2e	Kamthane	Pearson education	1
195	Programming JAVA a Primer, 5/e,	Balagurusamy E	McGraw Hill	1
196	Programming Languages Pragmatics	Michael I. Scott	Elsevier	1
197	Programming with World Wide Web, 7e	Sebasta	Pearson education	1
198	Python Programming: An Introduction to Computer Science	Zelle, J	Franklin, Beedle & Associates Inc.	1
199	R Machine Learning Essentials	Michele Uselli	Packt Publishing	1
200	Randomized Algorithms	R. Motwani and P. Raghavan	Cambridge University Press	2
201	Research in Education	John W Bass, James V Kahan	PHI	1
202	Research Methodology	R. Pannese Selvam	PHI	1
203	Research Methodology, Methods and Techniques	C. R. Kotari	NEW AGE INTERNATIONAL PUBLISHING	1
204	Research Methodology—concepts & cases	Deepak Chawla, Meena Sondhi	VIKAS PUBLISHING HOUSE PVT. LTD.	1
205	Scala for Machine Learning	Patrick R. Nicolas	Packt Publishing	1
206	SDN: Software Defined Networks: An Authoritative Review of Network Programmability Tech	Thomas L. Nadeau, Ken Gray	O'Reilly Media	1
207	Security in Computing, 4e	Pfleeger	Pearson education	1
208	Software Engineering	KK Aggarwal and Yogesh Singh	New Age	1
209	Software Engineering, 9e	Sommerville	Pearson education	1
210	Software Engineering: A practitioner's approach	Roger S. Pressman	McGraw Hill	1
211	Software Project Management	Chandramouli/Dutt	Pearson education	1
212	Software quality assurance – from theory to implementation	Daniel Gaján	Pearson education	1
213	Software Testing	Desikan/Gopalaswamy	Pearson education	1
214	Software testing – principles and practices	Srinivasan Desikan and Gopalaswamy I	Pearson education	1
215	Speech and Language Processing: An Introduction to Natural Language Processing, Computat	Daniel Jurafsky and James H Martin	Pearson	1
216	Swarm Intelligence	James F. Kennedy, Russell C. Eberhart	Morgan kaufman	1
217	Taming the Big Data Tidal Wave: Finding Opportunities in Huge Data Streams with Advanced	Bill Frank	Wiley and SAS Business Series	1
218	The C. Programming Language	Kernighan, Ritchie D.M	PHI	1
219	The Data compression Book	Mark Nelson and Jean-Loup Gailly	BPB publications	1
220	The design and Analysis of Computer Algorithms	V. Aho, J. E. Hopcraft, J. D. Ullman	Pearson	2
221	The Theory of Computation	Moret	Pearson education	2
222	The Tower and The Cloud, Higher Education In the Age of Cloud Computing	Richard N. Katz	EDUCAUSE	1
223	The Unified Modeling Language User Guide	Booch	Pearson education	2
224	Theory and Problems of Data Structures,	Lipschut	Schaum's Series	1
225	UML and C++: A Practical Guide to Object Oriented Development, 2e	Lee/Tepfohart	PHI	2
226	Understanding Big Data: Analytics for Enterprise Class Hadoop and Streaming Data	Paul Zikopoulos, Chris Eaton, Paul Zikopoulos	McGraw Hill	1
227	Virtual Machines: Versatile Platforms for Systems and Processes	James E. Smith, Ravi Nair	MorganKaufmann ELSEVIER Publication	1
228	Wireless Communications	Theodore S. Rappaport	Pearson	1
229	Wireless Telecommunications Systems and Networks	Gary Mullen	Cengage Learning	2
230	XML How to Program	Deitel/Deitel/Nieto/Lin/Sadhu	Pearson education	1

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**GOVERNMENT ENGINEERING COLLEGE, THRISSUR**

**Department: Master of Computer Application**

**Foreign Book List**

SL NO	BOOK NAME	AUTHORS	PUBLISHERS	Q T Y
1	Programming in C	A. N. Kamthane	Pearson Education, 3rd Edition (2015)	1
2	The C programming language	Brian W Kernighan & Dennis Ritchie	2nd Edition, Prentice Hall (2015)	1
3	Programming with C	Byron S Gottfried	3rd Edition, McGraw Hill	1
4	Programming in C	Reema. Thareja	Oxford University Press, 2nd Edition	1
5	Elements of Discrete Mathematics: A Computer Oriented Approach	C. Liu	McGraw-Hill, 4th Edition (2012)	1
6	<del>Discrete Mathematical Structures with applications to Computer science</del>	<del>Jean-Paul Tremblay</del>	<del>McGraw-Hill, 1st Edition (2001)</del>	<del>1</del>
7	Elementary Number Theory	David M. Burton	McGraw-Hill, 7th Edition (2012)	1
8	Introduction to practice of statistics	David S. Moore and George P. McCabe	W.H.Freeman & Company, 5th Edition (2005)	1
9	Introduction to Probability and Statistics Using R	G. Jay Kerns	Chapman & Hall (2010)	1
10	Human Resource Management	Gary Dessler, Biju Varkkey	Pearson Education , 14th Edition.	1
11	Essentials of Management	Harold Koontz and Heinz Weihrich	McGraw Hill Education, 10th Edition (2015)	1
12	Digital Fundamentals	Floyd	Pearson Education, 10th Edition (2011)	1
13	Digital logic and Computer design	Morris Mano	Pearson Education, 1st Edition	1

			(2004)	
14	Logic and Computer Design Fundamentals	Morris Mano	Pearson Education 4th Edition (2013)	1
15	R for everyone	Jared P Lander	Pearson education 1st Edition (2014)	1
16	An introduction to Object-oriented programming with Java	C. Thomas Wu	4 <sup>th</sup> Edition, Tata McGraw-Hill	1
17	Java The Complete Reference	Herbert Schildt	Seventh Edition, Tata McGraw-Hill	1
18	The JAVA programming language	K. Arnold , J. Gosling	3 <sup>rd</sup> edition, Pearson	1
19	Introduction to Data Structures in C	A N Kamthane	Pearson Education (2005)	1
20	Data structures and Algorithms	Alfred V. Aho, John E. Hopcroft, Jeffrey D. Ullman	Fourth Edition, Pearson Education (2009)	1
21	Data Structures and Algorithms: Concepts, Techniques and Applications	G A V Pai	2nd Edition, Tata McGraw-Hill (2008)	1
22	Data Structures	Seymour Lipschutz	Tata McGraw-Hill	1
23	Modern Operating System	Tanenbaum	Pearson 3 <sup>rd</sup> Edition	1
24	Operating system principles	Deitel. H.M	3 <sup>rd</sup> Ed, Pearson	1
25	Operations Research-An Introduction	Hamdy A.Taha	Prentice Hall of	1
26	Computer Organization	Hamachar, Vranesic & Zaky	(5th Ed), McGraw Hill	1
27	Computer Architecture, A quantitative approach	J. Hennessy and D. Patterson	5 <sup>th</sup> Edition, Elsevier	1
28	Computer Networks: A top down Approach	Behrouz A Forouzan, Firouz Mosharraf	McGraw Hill Education, 1 <sup>st</sup> Edition (2011).	1
29	Computer Networks, A systems Approach	Larry Peterson, Bruce Davie	Prentice Hall Learning Private Ltd, 8 <sup>th</sup> Edition 2015	1

30	Computer Networking: A Top - Down Approach	James F Kurose and Keith W Ross	Pearson Education; 5th Edition (2012)	1
31	Agile Software Development: The Cooperative Game	Alistair Cockburn	AddisonWesley, 2nd Edition (2006).	1
32	Agile Software Development with Scrum	Ken Schwaber, Mike Beedle	Pearson (2008)	1
33	Agile Software Development, Principles, Patterns and Practices	Robert C. Martin	Pearson Education, 2nd Edition (2002).	1
34	Software Engineering: A Practitioner's Approach	Pressman, R.S	McGraw Hill SE, 7th Edition, (2010)	1
35	Database System Concepts	Abraham Silberschatz ,Henry F. Korth ,S. Sudarshan	McGraw Hill Education, 6th Edition (2013) Modules 1,2,3	1
36	Database Management Systems	Raghu Ramakrishnan and Johannes Gehrke	McGraw Hill, 3rd Edition (2014)	1
37	Introduction to the Design & Analysis of Algorithms	A. Levitin	Pearson Education, 3rd Edition (2008)	1
38	Computer Algorithms: Introduction to Design and Analysis	Sara Baase , Allen Van Gelder	Pearson , 3rd Edition (2002).	1
39	JavaScript: The Definitive Guide	David Flanagan	6th Edition", O'Reilly Media	1
40	Internet and World Wide Web - How To Program	Harvey Deitel and Abbey Deitel	5thEdition, Pearson Education	1
41	The Internet Book: Everything You Need to Know About Computer Networking and How the Internet Works	Douglas E Comer	4th Edition, Prentice Hall	1
42	PHP-The Complete Reference	Steven Holzner	1st Edition (2007)	1
43	A simplified guide to SQL and PL/SQL		Pearson Education 2nd Edition	1
44	ORACLE PL/SQL by example	Benjamin Rosenzweig, Elena Silvestrova	Pearson Education , 3rd Edition.	1
45	The Pragmatic Programmer: From Journeyman to Master	Andrew Hunt, David Thomas	Addison-Wesley Professional, 1999	1
46	Continuous Delivery: Reliable Software Releases through	Jez Humble, David Farley	Addison-Wesley Professional, 2010	1

	Build, Test, and Deployment Automation			
47	Big Data Made Easy: A Working Guide to the Complete Hadoop Toolset	Michael Frampton	Apress, 2014	1
48	Big Data Fundamentals Concepts, Drivers and Techniques	Thomas Erl	Pearson Education First Edition, 2016	1
49	Big Data Analytics beyond HADOOP	Vijay Srinivas Agneeswaran	Pearson Education (2015)	1
50	Android Programming: The Big Nerd Ranch Guide	Bill Phillips, Chris Stewart, Brian Hardy, Kristin Marsicano	Big Nerd Ranch Guides, July 24, 2015– (Modules 4, 5, 6)	1
51	Android, Wireless Application Development	Lauren Darcey, Shane Condor	Pearson Education, 3rd Edition	1
52	Machine Learning with R	Brett Lantz	Packt Publishing, 2nd	1
53	Machine Learning	Tom Micheal	Mcgraw Hill (1997)	1
54	Artificial Intelligence and Machine Learning	Vinod Chandra S S, Anand Hareendran S.,	Prentice Hall (2014)	1
55	An introduction to functional programming through lambda calculus	Greg Michaelson	Dover Publications, 2011	1
56	The Implementation of Functional Programming Languages	Simon Peyton Jones	Prentice Hall.	1
57	Introduction to Parallel Computing	Ananth Grama, Anshul Gupta, George Karypis, Vipin Kumar	Second Edition, Addison Wesley, 2003	1
58	Introduction to Parallel Algorithms and Architectures: Arrays, Trees, Hypercubes	F.T. Leighton	MK Publishers, San Mateo California, 1992	1
59	The Design and Analysis of Parallel Algorithms	Selim G. Akl	Prentice Hall, New Jersey, 1989	1
60	Database System Concepts	Abraham Silberschatz, Henry F Korth & S Sudarshan	Fourth Edition, Tata McGraw-Hill, 2002	1
61	Data Warehousing, Data Mining, and OLAP	Alex Berson, Stephen J Smith	Tata McGraw-Hill Publishing Company	1

62	Object Oriented Database Design Clearly Explained	J. L. Harrington	Morgan Kaufmann Publishers	1
63	Principles of Distributed Database Systems	M Tamer Ozsu, P Valduriez	Pearson Education Pvt. Ltd., 2005	1
64	Introduction to Numerical Analysis	Froberg	Addition Wesley	1
65	Advanced Java Programming	Uttam K.Roy	Oxford University Press (2015)	1
66	Spring in Action	Craig Walls	Manning Publications, 4 <sup>th</sup> Edition (2014).	1
67	Core Java, Volume II	Cay S. Horstmann, Gary Cornell	Advanced Features, Pearson, 9 <sup>th</sup> Edition	1
68	Decision Support and Business Intelligence Systems	Efraim Turban, Ramesh Sharda, Dursun Delen	9 <sup>th</sup> edition Pearson Education, 2014	1
69	Data Mining Concepts and Techniques	Jiawei Han, Micheline Kamber	2 <sup>nd</sup> Edition, Elsevier, Reprinted 2008	1
70	Unix and Shell programming	B. M. Harwani	Oxford University Press(2013)	1
71	UNIX Network Programming : Inter process Communications	Richard Stevens	Prentice Hall, Second Edition	1
72	UNIX Network Programming,: Networking APIs: Sockets and XTI	Richard Stevens	Prentice Hall, Second Edition.	1
73	Advanced Android Application Development, Developers Library	Joseph Annucci Jr, Lauren Darcey, Shane Condor	Pearson Education, 4 <sup>th</sup> Edition (2015)	1
74	Android Application Development, Android Essentials	Joseph Annucci Jr, Lauren Darcey, Shane Condor	Pearson Education 5 <sup>th</sup> Edition (2016)	1
75	Android 6 for programmers, An App-Driven Approach	Paul Deitel, Harvey Deitel, Alexander Wald	Pearson Education	1

## GOVERNMENT ENGINEERING COLLEGE, THRISSUR

Department: Master of Computer Application

### Indian Book List

SL NO	BOOK NAME	AUTHORS	PUBLISHERS	QTY
1	Applied Statistics and Probability for Engineers	Douglas C. Montgomery and George C. Runger	Wiley India, 5 <sup>th</sup> Edition (2012)	5
2	Principles of Management	L M Prasad	Sultan Chand & Sons, 8 <sup>th</sup> Edition (2010)	5
3	Beginning R: The Statistical Programming Language	Dr. Mark Gardener	Wiley (2013)	5
4	Programming with Java	Rohit Khurana	Vikas Publishing, 2014	5
5	Operating System Concepts	A. Silberchatz et.al	9 <sup>th</sup> Edition Wiley (2015)	5
6	Operations Research	Kanti Swarup, P.K.Gupta and Man Mohan	Sultan Chand (2010).	5
7	Operations Research	Ravindran, Philips and Solberg, Wiley	Second edition (2007), Wiley.	5
8	Computer Architecture and Organization, an Integrated approach	Miles Murdocca, Vincent Heuring	(2007 Ed), Wiley	5
9	Database Management Concepts	Ashutosh Kumar Dubay	S.K. Kataria & Sons, 1 <sup>st</sup> Edition (2012).	5
10	Fundamentals of Computer Algorithms	Ellis Horowitz, Sartaj Sahni, Sanguthevar Rajasekaran	Orient Longman, Universities Press, 2 <sup>nd</sup> Edition (2008)	5
11	Analysis and Design of Algorithms, A Beginner's Approach	Rajesh K.Shukla	Wiley (2015)	5

12	Managing Big Data	Chandrakant Naikodi	Vikas Publishing,2015	5
13	Big Data	DreamTech Editorial Services	Dreamtech Press, 2015 Edition	5
14	Android Application Development Black Book	Pradeep Kothari	DreamtechPress 2015	5
15	Fundamentals of Mobile Computing	Prasanth Kumar Pattnaik, Rajib Mall	2 <sup>nd</sup> ,PHI (2012) – (Modules 1,2,3)	5
16	Advanced Engineering Mathematics	Erwin Kreyszig	New Age International (p) Limited	5
17	Numerical Analysis, Prentice	Sastry S.S	Hall India, 4th edition	5
18	Operations research	R Panneerselvam	2nd edition, PHI	5
19	Business Analysis for Business Intelligence	Bert Brijs	CRC press	5



**Government Engineering College Thrissur**

**Department of Electronics and Communication Engineering**

**List of Books to be purchased in Main Library - November 2019**

Sl. No.	TITLE OF THE BOOK	AUTHOR	PUBLISHER	EDITION	No. of Copies
1	Network Analysis and Synthesis	Ravish R. Singh	McGraw-Hill 2015.		2
2	Circuits and Networks- Analysis and Synthesis	Sudhakar AS. P. Shyammohan	McGrawHill 2015.		2
3	Elements of Information Theory	T. Cover and Thomas	John Wiley & Sons		1
4	Microprocessors and Microcontrollers	Lyla B.Das :	Pearson Education		1
5	Power Electronics Circuits Devices and Application	Rashid M. H.	Prentice Hall India		1
6	Electronic Instrumentation and Measurements	Bell D. A.	Oxford University Press		1
7	Fuzzy Logic with Engineering Application	Timothy J. Ross	Wiley India		1
8	Embedded Systems Design Embedded Systems Architecture	Steve Heath	Newnes – Elsevier	2	1
9	Object Oriented Programming with C++ and JAVA	E. Balagurusamy	McGrawHill		1
10	Simulation of communication systems	M.C. Jeruchim Philip Balaban K.Sam Shanmugam	Kluwer Academic, Plenum Press		1
11	Optical communication and sensors	Arumugam	Anuradha publications		2
12	Optical Fiber Communications	Gerd Keiser	McGraw Hill		1
13	Fiberoptic Communication	Mishra and Ugale	Wiley		1
14	Data Communications and Networking	Behrouz A Forouzan	Tata McGraw-Hill		1
15	Computer Network A Topdown Approach Featuring the Internet	J. F. Kurose	Pearson Education		2

16	Control System Engineering	Norman S Nise	Wiley India		1
17	Engineering Design	Grald Voland	Pearson	2nd edition	1
18	Design Thinking	Michael Luchs, Scott Swan, Abbie Griffin	John Wiley & Sons	2015	1
19	Exploring engineering An Introduction to Design And Engineering	Balmer R T, Keat W D, Wise G, Kosky P	Elsevier	3rd edition	1
20	Engineering Design- A Project Based Introduction	Dym C L, Little P, Orwin E J	Wiley		1
21	Engineering Design Process	Haik Y, Shahin M T	Cengage Learning		1
22	Engineering Design	Dieter, Schmidt	McGraw Hill Education India	2013	1
23	Control Systems	Gopal	McGraw Hill Education India Education		1
24	Cryptography and Network security	Behrouz A. Forouzan	Tata McGraw-Hill		1
25	Elliptic Curves: Theory and Cryptography	Lawrence C. Washington	Chapman & Hall CRC Press Company		1
26	Integrated optics :Theory and technology	Robert Hunsperger	Springer		1
27	Digital Signal Processing and Application with C6713 and C6416 DSK	Rulph Chassaing	A Wiley-Interscience Publication		1
28	Multirate systems and filter banks	P.P. Vaidyanathan	Prentice Hall.PTR		1
29	Fiber-Optic communication Systems	Govind.PAgarwal	Wiley India		1
30	Optoelectronics: An introduction	J. Wilson & J. F. B. Hawkes	Prentice Hall	2nd ed.	1
31	Introduction to Spectral Analysis	Stoica and R.L. Moses	Prentice Hall		1
32	Cryptography, Theory and Practice	Douglas A. Stinson	Chapman &Hall, CRC Press Company,Washington		1
33	Cognitive Radio Technology	Bruce A. Fette	Elsevier		1
34	Wireless Communication and Networks	William Stallings	Prentice Hall	2	1

35	PIC Microcontroller and Embedded Systems using assembly and C for PIC18	Muhammad Ali Mazidi, Roind D. Mckinay, Danny Causey	Pearson Education.		1
36	Linear Algebra Done Right	Sheldon Axler	Springer		1
37	Discrete Time Signal Processing	A.V. Oppenheim and Schafer	Prentice Hall		1
38	Data Networks	D. Bertsekas and R. Gallager	Prentice Hall of India.		1
39	Fundamentals of statistical signal processing: Detection theory	Stephen M.Kay	PHI		1
40	Fundamentals of statistical signal processing: Estimation theory	Stephen M.Kay	PHI		1
41	Fundamentals of Applied Electromagnetics	Fawwaz T Ulaby	Pearson Education		1
42	Antenna Theory : Analysis & Design	Constantine A Balanis	Wiley		1
43	RF Circuit Design Theory and Application	Ludwig	Pearson Education		1
44	Microwave Engineering	David M Pozar	Wiley		1
45	Pattern Recognition and Machine Learning	Christopher M Bishop	Springer		1
46	Wireless Communication	Andrea Goldsmith	Cambridge University Press	1	1
47	Introduction to Probability Models	Sheldon M Ross	Academic Press	7	2
48	Cryptography and Network Security	Behrouz A Forouzan	Mc Graw Hill		1
49	Microprocessors and Microcontrollers	Lyla B Das	Pearson Education	2011	1
50	Microelectronic circuits	Sedra A S, K C Smith	Oxford University press	6	1
51	Integrated Electronics	Miliman J, C Halkias	McGraw Hill	2	1
52	Electronic circuits, Analysis and design	Neamen D	TMH	3	1
53	Fundamentals of microelectronics	Razavi B	Wiley	2015	1

54	Op amps and Linear integrated circuits	Gyakward R A	Prentice hall	4	1
55	DSP applications using C and the TMS320C6X DSK	Rulph Chassiang	Wiley	1	1
56	Fundamentals of digital logic with VHDL design	Stephen Brown, Zvono Vranesic	Tata McGraw hill		1
57	Discrete-Time Speech Signal Processing: Principles and Practice	Thomas F Quatieri	Pearson	8	1
58	Speech and Audio Signal Processing	Gold and Morgan	Wiley	2	1
59	Statistical Digital Signal Processing and Modeling	Monson H. Hayes	Wiley	2	1
60	The Art of Electronics Text Book	Horowitz	Cambridge University Press	2	1
61	Practical Electronics for Inventors	Paul Scherz&Simon Monk	Mc Graw Hill	4	1
62	Foundations of Analog and Digital Electronic Circuits	Anant Agarwal&Jeffrey Lang	Elsevier		1
63	Basic Electrical and Electronics Engineering	M.S. Sukhija &T.K. Nagsarkar	Oxford		1
64	Introduction to Robotics: Analysis, Control, Applications	Saeed B.Niku	Ewiely	2	2
65	The Transforms and Applications Handbook	Alexander D. Poularikas,	CRC Press	2	1
66	Integral and Discrete transforms with applications and error analysis	Abdul Jerri,	Marcel Dekker Inc		1
67	Integral Transforms and Their Applications	Lokenath Debnath, Dambaru Bhatta	Taylor & Francis Inc		1
68	Research Methodology	R. Panneerselvam	PHI Learning	2	1
69	Life Skills for Engineers	ICT Academy of Kerala	ICT Academy of Kerala	1	1
70	Development of Life Skills and Professional Practice	Shalini Verm	Sultan Chand (G/L) & Company	1	1
71	Life Skills for Engineers	Remesh S., Vishnu R.G	Ridhima Publications	1	1
72	Introductory Linear Algebra An applied first Course	Bernard Kolman,David R Hill	Pearson Education	8	1

73	Probability Statistics and Queueing Theory	v.Sundarapandian	PHI	2	1
74	Power Electronics Principles and Applications	Joseph Vithayathil	Tata McGraw-Hill		2
75	Power Electronics Circuits, Devices, and Applications	Muhammad H Rashid	Pearson	Third or higher.	1
76	Power Electronics Essentials & Applications	L Umanand	Wiley India		1
77	Power Electronics Converters, Applications and Design	Ned Mohan, Undeland & W.P. Robbins	John Wiley & Sons	Third or Higher	1
78	Power Electronics	Erickson	Springer		1
79	Power Electronics	Daniel Hart	McGraw-Hill		1
80	Power Electronics	Soumitra Kumar Mandal	McGraw-Hill		1
81	Electronic Instrumentation	H.S. Kalsi	Tata McGraw-Hill	Second	1
82	Electronic Instrumentation and Measurements	David A Bell	Oxford Higher Education	Third	1
83	Principles of Electronic Instrumentation	Patranabis D.	PHI		1
84	Solid State Pulse Circuits	David A Bell	Oxford University Press, 2011	4	1
85	Modern Digital Signal Processing	Roberto Cristi	Thomson/Brooks/Cole	2004	1
86	Foundations of MEMS	Chang Liu	Pearson		3
87	MEMS and Microsystems Design and Manufacture	Tain Ran Hsu	TMH		1
88	Fuzzy Logic with engineering applications	Timothy J Ross	Wiley		1
89	Fundamentals of neural networks:Architecture,Algorithms & Applications	Laurene V Fausette	Prentice Hall		1
90	Genetic Algorithms:Search, optimization & machine learning	D E Golgberg	Addison Wesley		1

91	Principles of soft Computing	S N Sivanandan	Wiley		1
92	Microwave & Radar Engineering	Kularni M	Umesh Publications		1
93	Basic Electrical Engineering	D P Kothari and I J Nagrath,	Tata McGraw Hill	2010	1
94	Basic Electrical and Electronics Engineering,	M.S.Sukhija and T.K.Nagsarkar	Oxford University Press	2012	1
95	A Textbook On Basic Communication and Information Engineering,	Wayne Tomasi and Neil Storey	Pearson	2010	1
96	Biomedical Instrumentation	R S Khandpur	Tata McGraw Hill	2	1
97	Concepts of Information Theory and coding	Satyanarayanan P S	Dyanaram Publications	2005	1
98	Elements of Information Theory	T Cover and Thomas	John Wiley & Sons	2	1
99	Information Theory and Coding	J S Chittode	Technical Publication	2009	1
100	Information Theory , Coding and Cryptography	Ranjan Bose	Mc Graw Hill	3	1

Department of Mathematics  
List of Books to be purchased during 2019-2020

Sl.No.	Title	Author	Publisher	Edition	No. of Copies
1	Calculus	Anton, Bivens & Davis	John Wiley & Sons	10th	5
2	Thomas' Calculus	Thomas Jr G B & Hass Jr	Wier MD, Pearson	12th	5
3	Advanced Engineering Mathematics	Erwin Kreyszig	Wiley	10th	5
4	A First Course in Complex Analysis and Application	Dennis G Zill & Shanahan	Tatrick D Johns & Bartlet	1st	5
5	Linear Algebra (Schaums Series)	Lipschutz	McgrawHill Education India	3rd	5
6	Linear Algebra: A Course for Physicists & Engineers	Arak Mathai & Hans Haubold	DeGruyter		5
7	Probability, Statistics & Queueing Theory	V. Sundarapadman	PHI		2
8	Probability, Statistics & Random Processess	T Veerarajan	Tata Mc grawHill	3rd	2
9	Calculus and Analytic geometry	G.B. Thomas and R.L. Finney	Pearson	9 th Edit	3
10	Advanced Engineering Mathematics	Peter V. O'Neil	Cengage	7th	2
11	Engineering Mathematics for first year	Veerarajan T	Tata McGraw-Hill		
12	Numerical Methods for Engineers	Steven C Chapra & Raymond P Canale	Tata Mc grawHill		
13	Elements of Discrete Mathematics: A Computer Oriented Approach	C. Liu	Tata Mc grawHill	4th	
14	Elementary Number Theory	. David M. Burton	Tata Mc grawHill	7th	
15	Introduction to practice of statistics	David S. Moore and George P. McCabe	W H Freeman & Company	5th	
16	Introduction to Probability and Statistics Using R	G. Jay Kerns	Chapman & Hall		
17	Introduction to Complex Theory of Differential Equations	Savin, Anton, Sternin, Boris	Birkhauser		
18	Mathematical Strategies for Climate and Long Range Weather Forecasting in Hierarchy of Models	Majda, Andrew	Springer		

19	Geometry of the Semigroup $Z_{(\geq 0)}^n$ and its Applications to Combinatorics, Algebra and Differential Equations	Chulkov, Sergey, Khovanskii, Askold	Springer		
20	Numerical Models for Differential Problems	Quarteroni, Alfio	Springer		
21	Groups, Matrices, and Vector Spaces: A Group Theoretic Approach to Linear Algebra	Carrell, James B.	Springer		
22	Computational Mathematics, Numerical Analysis and Applications: Lecture Notes of the XVII 'Jacques-Louis Lions' Spanish-French School	Editors: Mateos, Mariano, Alonso, Pedro (Eds.)	Springer		
23	An excursion into Markov chains	Ferrante, Marco, Bardina, Xavier	Springer		
24	David Hilbert's Lectures on the Foundations of Arithmetic and Logic 1894-1917	Editors: Ewald, W., Hallett, M., Majer, U., Sieg, W. (Hrsg.)	Springer		
25	Ergodic Theory and Negative Curvature	Editors: Hasselblatt, Boris (Ed.)	Springer		
26	AJCC Cancer Staging Manual	Editors: Amin, M.B., Edge, S., Greene, F., Byrd, D.R. Brookland	Springer		
27	A Mathematical Picture Book	Glaeser, Georg, Polthier, Konrad	Springer		
28	Goldbach's Problem: Selected Topics	Rassias, Michael Th.	Springer		
29	Square Matrices of Order 2: Theory, Applications, and Problems	Pop, Vasile, Furdui, Ovidiu	Springer		
30	Stochastic Simulation: Algorithms and Analysis	Søren Asmussen, Peter W. Glynn	Springer		
31	Stochastic Simulation and Monte Carlo Methods: Mathematical Foundations of Stochastic Simulation	Graham, Carl, Talay, Denis	Springer		
32	Mathematical Models of Tumor-Immune System Dynamics	Editors: Eladdadi, Amina, Kim, Peter, Mallet, Dann (Eds.)	Springer		
33	Optimal Control for Mathematical Models of Cancer Therapies: An Application of Geometric Methods	Schättler, Heinz, Ledzewicz, Urszula	Springer		
34	Weather Modeling and Forecasting of PV Systems Operation	Paulescu, M., Paulescu, E., Gravila, P., Badescu, V.	Springer		



Department of Civil Engineering - List of Books to be Purchased in 2019-20

Indian Author/ Publisher titles

SI No.	Name of the book	Name of authors	Name of the publisher	Copies
1	Environmental Pollution Control Engineering	C S Rao	New Age International	3
2	Waste Water Treatment	M. N. Rao and A.K. Dutta	IBH Publisher	3
3	Water Pollution Causes Effects and Control	P.K. Goel	New Age International Ltd.	3
4	Phytoremediation Technologies for the Removal of Textiles Dyes.	Sanjay P. Govindwar, Anusha N Kagalkar	Nova Science, 2010	2
5	Biogas Production, Upgradation and Slurry Management.	V. K. Vijay	Narosa Publishing Home	3
6	Azolla Biofertilizer for Sustainable Rice Production.	Dr. S. Kannaiyan, Dr. S. Kumar	Daya Publishing House	2
7	Environmental Engineering	N. N. Basak	UBS Publishers	3
8	Characterization and Treatment of Textile Waste Water	Himanshu Patel, R. T. Vashi	Elsevier	2
9	Municipal Solid Waste Management: Processing Energy Recovery Global Examples	Reddy P, Jayarama	B Publications	2
10	Phytoremediation Technologies for the Removal of Textiles Dyes.	Sanjay P. Govindwar, Anusha N Kagalkar	Nova Science, 2010	1
11	Open Channel Hydraulics.	Chaudhry, H.	Springer Science & Business Media.	1
12	Hydrology and Soil Conservation	Ghanashyam Das,	Prentice Hall of India Private Limited, New Delhi,	1
13	Elastic Stability of Structural Elements	Iyengar, N.G.R	Macmillan India Limited	4
14	Stability Analysis and Design of Structures	Murali L. Gambir	Springer	2
15	Fracture Mechanics for Modern Engineering Design	Simha, K.R.Y.	Universities Press	5
16	Hydrogeology,	K. R. Karanth,	TataMcGraw Hill Publishing Company.	1

17	Handbook on Advanced Concrete Technology	N.V.Nayak&A.K.Jain	Narosa Publishing House Pvt. Ltd	2
18	Design of bridges, 4th edition	N Krishna Raju	Oxford and IBH	8
19	Concrete Bridge Practice	Raina.V.K.	Shroff Publishers & Distributors	2
20	Design of Bridge structures	T R Jagadeesh, M.A. jaya Ram	PHI	8
21	Foundation Engineering	P.C.Varghese	Prentice Hall India	5
22	Elementary Finite Element Method	Desai C.S.	Prentice Hall India	2
23	An Introduction to the Finite Element Method	Reddy, J.N.	TMH	5
24	Earthquake Resistant Design of Structures	Pankaj Agarwal and Manish Shrikandhe	Prentice Hall India	5
25	Seismic Analysis of Structures	T. K. Datta	Wiley	1

Department of Civil Engineering - List of Books to be Purchased in 2019-20

Foreign Author/ Publisher titles

Sl No.	Name of the book	Name of authors	Name of the publisher	Copies
1	Chemistry for environmental engineering and science	Sawyer.C, Mc Carty	McGraw-Hill	1
2	Stream Sanitation	Phelps E.	J.Wiley	1
3	Waste Water Engineering Treatment an Reuse	Metcalf an Eddy Inc	McGraw-Hill Education	1
4	Removing Heavy Metal from Contaminated Soils.	Sir Hawkins John	LAP, Lambert Academic Publishing	1
5	Characterization and Treatment of Textile Waste Water	Himanshu Patel, R. T. Vashi	Elsevier	1
6	Introduction to Environmental Engineering	David A Cornwell and Mackenzie L Davis	McGraw-Hill	1
7	Greywater Reuse	Amit Gross, AdiMaimon, Yuva Alfiya,	CRC Press	1
8	Characteristics and Impacts of Landfill Leachate	ThabisoMohobane	VDM Verlag	1
9	Open channel Hydraulics	Richard H. H., French,	McMillan Publishing Co., New York	1
10	Groundwater hydraulics and pollutant transport	Randall J. Charbeneau	printice hall	1
11	Principles of Geographical Information Systems for Land Resource Assessment	Burrough P. A.	Oxford University Press	1
12	Water Resources Engineering	Mays, L.W.,	John Willey and Sons, US,	1
13	River Engineering	Margaret Peterson	Prentice Hall	1
14	Watershed Project Management Guide	Devanport E. Thomas,	Lewis Publishers, London,	1
15	Soil and Water Conservation Engineering,	Glenn O. Schwab,	John Wiley and Sons,	1
16	Groundwater Mechanics,	O.D.L. Strack,	Prentice Hall,	1
17	River Engineering	Margaret Peterson,	Prentice Hall of India Private Limited, New Delhi,	1
18	Hydraulics of Sediment transport	W.W. Graf,	Tata-McGraw Hill,	1
19	Non-linear Finite element Analysis of Solids a& Structures	Rene De Borst& M A Crisfield	Wiley-Blackwell	1

20	Mechanics of Laminated composite plates and shells- Theory and Analysis	J N Reddy	CRC press	1
21	Finite Element Analysis of Composite Laminates	Ochoa & J N Reddy	Kluwer Academic Publications	1
22	Fracture Mechanics : Fundamentals a& Applications (4rth edn)	T L Anderson	CRC Press	1
23	Geotechnical Applications for Earthquake Engineering: Research Advancements: 1	T G Sitharam	Idea Group,U.S.; 1 edition (15 November 2012)	1
24	Modelling of Soil-Structure Interaction (Developments in Geotechnical Engineering Book 58)	V. Kolar,I.Nemec	Elsivier	1
25	Steel Structures- Design and Behaviour	Salmon C.G & Johns J.E	Pearson	1

GOVT.ENGINEERING COLLEGE THRISSUR

DEPARTMENT OF CHEMISTRY

Head: Strengthening and modernization of libraries for ther year 2019-2020

List of Items

Sl .no	Title	Author	Publisher	Edition	No.Copies
1	Engineering Chemistry with Laboratory Experiments	Kaurav	PHL learning	1	5
2	Engineering Chemistry	Krishnamoorthy et al	PHL learning	3	5
3	Engineering Chemistry with Laboratory Experiments	Mohapatra	PHL learning	1	4
4	Environmental Chemistry	Banerjee	PHL learning	2	3
5	Inorganic Chemistry	Donald A. Tarr, Gary Miessler	Pearson Education	3	3
6	Analytical Chemistry	Dash	PHL learning		3
7	Introduction to polymer chemistry	Charles E. Carraher Jr.	CRC Press	4	1
8	Chemistry of Pesticides	N K Roy	CBS Publishers & Distributors		2
9	Principles of Instrumental Analysis	Douglas A. Skoog, F. James Holler, Stanley R. Crouch	Cengage Learning	7	2
10	Instrumental Methods of Analysis	B.Sivasanker	Oxford Higher Education		2
11	Experimental Organic Chemistry	Ratnani & Gurjar	PHL learning		3
12	Fundamentals of Reaction Mechanism in organic Chemistry	Narain	PHL learning	2	3
13	Chemistry in Daily Life	Singh	PHL learning	3	3
14	Molecular structure and spectroscopy	Aruldas	PHL learning	2	3
15	Intoduction to Nanoscience and Nano technology	Chaettopadhyay & Banerjee	PHL learning		2
16	Organic Chemistry,	Morrison & Boyd,	Prentice-Hall of India		3
17	Advanced Organic Chemistry,	Bah I& Bahl,	S. Chand		4
18	Organic Chemistry, Vol. I	Finar,	ELBS		2
19	Organic Chemistry, Vol. II	Finar,	ELBS		2
20	Organic Chemistry,	Sony, P.L.,	S. Chand		4

Sl .no	Title	Author	Publisher	Edition	No.Copies
21	Principles of Biochemistry,	David L Nelson	W H Freeman & Co		1
22	Advanced Organic Chemistry	Tewari, Mehrotra and Vishnoi-			5
23	Fundamentals of Analytical Chemistry,	D.A. Skoog, D.M. West, F.J. Holler, S.R. Crouch,	Saunders College Pub., 2007.	8th edition,	2
24	Instrumental Methods of Chemical Analysis,	G.R. Chatwal, S.K. Anand	Himalaya, 2007.	5th edition,	3
25	Principles of Physical Chemistry,	B. R. Puri, L.R. Sharma, M.S. Pathania,	Vishal Publishing Co., 2013.		5
26	Principles of electrochemistry, ,	J. Koryta, J. Dvorak, L. Kavan.	John Wiley & Sons, Inc. 1993.	2nd edition	2
27	Modern analytical chemistry,	D. Harvey,	McGraw-Hill, Inc. 2000.		2
28	Elements of Physical Chemistry,	P. Atkins, J. de Paula,	Oxford University Press, 2009.	5th edition,	3
29	Analytical Electrochemistry	J. Wang,	Wiley-VCH, 2000.	2nd edition	
30	Physical Chemistry of Surfaces,	W. Adamson, A. P. Gast,	Wiley-Interscience, 1997.	6th edition,	2
31	Modern nuclear chemistry,	W. D. Loveland, D. J. Morrissey, G. T. Seaborg,	John Wiley & Sons, Inc., 2006.		1
32	Nuclear and radiochemistry,	G. Friedlander, J. W. Kennedy, E. S. Macias, J. M. Miller,	John Wiley & Sons, Inc. 1981.	3rd edition	1
					<b>Total</b>

## DEPARTMENT OF CHEMICAL ENGINEERING

## BOOK LIST

SL. NO	TITLE	AUTHOR	PUBLISHER	NO. COPIES
1	ADVANCED PROCESS DYNAMICS AND CONTROL	SARKAR, PRABIR KUMAR	PHI	2
2	BIOCHEMICAL ENGINEERING	DOBLE, MUKESH, GUMMADE, SATHYANARAYANA N.	PHI	2
3	BIOCHEMICAL ENGINEERING : PRINCIPLES AND CONCEPTS	INAMDAR, SYED TANVEER AHMED	PHI	2
4	BIOSEPARATIONS: PRINCIPLES AND TECHNIQUES	SIVASANKAR, B	PHI	2
5	Chemical Engineering Design: Principles, Practice and Economics of Plant and Process Design	Gavin Towler, Ray Sinnott	Butterworth-Heinemann	4
6	CHEMICAL ENGINEERING THERMODYNAMICS	AHUJA, PRADEEP	PHI	2
7	CHEMICAL ENGINEERING THERMODYNAMICS	STANLEY I. SANDLER	JOHN WHILEY AND SONS	1
8	CHEMICAL PROCESS CALCULATIONS	SIKDAR, D.C.	PHI	5
9	CHEMICAL PROCESS EQUIPMENT : DESIGN AND DRAWING (VOLUME I)	MAIDARGI, SURESH C.	PHI	5
10	CHEMICAL PROCESS EQUIPMENT SELECTION AND DESIGN	COUPER	CBS Publications	3
11	CHEMICAL PROCESS MODELLING AND COMPUTER SIMULATION	JANA, AMIYA K.	PHI	3
12	CHEMICAL PROCESS TECHNOLOGY AND SIMULATION	KOYIKKAL, SRUKUMAR	PHI	3
13	CHEMICAL REACTIONS AND CHEMICAL REACTORS	GEORGE W. ROBERT	WHILEY	2
14	FLUID MECHANICS FOR CHEMICAL ENGINEERS	NOEL DE NEVERS	MCGRAW HILL	2
15	FUNDAMANTALS OF CHEMICAL REACTION ENGINEERING	MARK E. DAVIES AND ROBERT J. DAVIES	DOVER PUBLISHER INC	2
16	FUNDAMENTALS OF FOOD ENGINEERING	RAO, D. G.	PHI	2
17	FUNDAMENTALS OF POLYMERS : RAW MATERIALS TO FINISH PRODUCTS	KARAK, NIRANJAN	PHI	2
18	GATE 2019: Chemical Engineering Guide	GKP	GK publications	8
19	GATE Chemical Engineering Solved Papers	Nikhil Gupta	Arihant Publications	8
20	HEAT TRANSFER	BEJAN	CBS Publications	3
21	INTRODUCTION TO NUMERICAL METHODS IN CHEMICAL ENGINEERING	AHUJA, PRADEEP	PHI	3
22	INTRODUCTION TO PROCESS ENGINEERING AND DESIGN	TAKORE	MCGRAW HILL	3
23	INTRODUCTION TO TRANSPORT PHENOMENA : MOMENTUM, HEAT AND MASS	RAJ, BODH	PHI	4
24	MASS TRANSFER	SINHA, A. P., DE, PARAMESWAR	PHI	3
25	MASS TRANSFER : THEORY AND PRACTICE	ANANTHARAMAN, N., BEGUM, K. M. MEERA SHERIFFA	PHI	2
26	MASS TRANSFER IN MULTIPHASE SYSTEMS AND ITS APPLICATIONS	EL- AMIN M	CBS Publications	1
27	MASS TRANSFER THEORY AND APPLICATIONS	K V NARAYANAN	CBS Publications	8
28	MATHEMATICAL METHODS IN CHEMICAL ENGINEERING	PUSHPAVANAM S.	PHI	3
29	MEMBRANE SEPARATION PROCESSES	NATH, KAUSHIK	PHI	1
30	OBJECT-ORIENTED PROGRAMMING WITH C++	SOMASHEKARA, M. T., GURU, D. S., NAGENDRASWAMY, H. S., MANJUNATHA, K. S.	PHI	3
31	Optimization of Chemical Processes	Edgar T.F. & Himmelblau D.M	McGraw Hill	3

32	Outlines of Chemical instrumentation and process	Alapati Suryanarayana		Khanna publishers	3
33	Perry's chemical engineering handbook	Perry		McGraw-Hill	4
34	PETROLEUM RESERVOIR ENGINEERING PHYSICAL PROPERTIES	AMYX		CBS Publications	2
35	PLANT DESIGN AND ECONOMICS FOR CHEMICAL ENGINEERS	MAX S. PETER		MCGRAWHILL PUBLICATIONS	1
36	PLASTIC DESIGN HANDBOOK	ROSATO		CBS Publications	1
37	Polymer Science and Technology	Premamoy Ghosh		Mcgraw hill	1
38	Principles Of Chemical Engineering Processes	Nayef Ghasem, Redhouane Herda		Cre Press	1
39	Principles of heat and mass transfer	S.D. Dewande		Central Techno Publications, Nagpur	1
40	PRINCIPLES OF SOLAR ENGINEERING	GOSWAMI		CBS Publications	1
41	PROCESS CALCULATIONS	VENKATARAMANI, V., ANANTHARAMAN, N., BEGUM, K. M. MEERA SHERIFFA		PHI	3
42	PROCESS CONTROL : CONCEPTS, DYNAMICS AND APPLICATIONS	SINGH, S. K.		PHI	2
43	PROCESS MODELING, SIMULATION AND CONTROL OF CHEMICAL ENGINEERS	LUYBEN		CBS Publications	3
44	RENEWABLE ENERGY AND CLIMATIC CHANGE	QUASCHNING		CBS Publications	2
45	RENEWABLE ENERGY	EHRlich		CBS Publications	3
46	SAFETY ASSESSMENT FOR CHEMICAL PROCESSES	SUN		CBS Publications	3
47	STOICHIOMETRY AND PROCESS CALCULATIONS	NARAYANAN, K. V., LAKSHMIKUTTY, B.		PHI	3
48	THE ELEMENTS OF POLYMER SCIENCE AND ENGINEERING	RUDIN		CBS Publications	2



**Department of Production Engineering, GEC-Thrissur - List of required Books dated 31st Jan ,2019**

SI No	Title	Author	Publisher	ISBN-13	Copies
1	20 Keys to Workplace Improvement	KOBAYASHI	Taylor and Fransis	9781563271090	1
2	A Study of the Toyota Production System	SHINGO	Taylor and Fransis	9780915299171	1
3	A Text Book on Production Engineering	Swadesh Kumar Singh	Made Easy Publications	978-9351472179	1
4	Action Research, Innovation and Change	0	Taylor and Fransis	9780415712309	1
5	Additive Manufacturing Technologies	Lan Gibson	Springer Nature	978-1493921126	1
6	Advanced Engineering Mathematics with MATLAB	DUFFY	Taylor and Fransis	9781439816240	1
7	Advanced Engineering Mathematics with Modeling Applicatio	KELLY	Taylor and Fransis	9780849395338	1
8	An Integrated Introduction to Computer Graphics and Geometric Modeling	GOLDMAN	Taylor and Fransis	9781439803349	1
9	Assembly Automation and Product Design	BOOTHROYD	Taylor and Fransis	9781574446432	1
10	Autonomous Maintenance for Operators	JAPAN INSTITUTE OF PLANT	Taylor and Fransis	9781563270826	1
11	Cellular Manufacturing	PRODUCTIVITY DEVELOPMENT	Taylor and Fransis	9781563272134	1
12	Compliant Mechanisms	LOBONTIU	Taylor and Fransis	9780849313677	1
13	Computational Materials Science	LEE	Taylor and Fransis	9781498749732	1
14	Coordinate Measuring Machines and Systems	HOCKEN	Taylor and Fransis	9781574446524	1
15	Design Engineer's Handbook	RICHARDS	Taylor and Fransis	9781439892756	1
16	Design Engineer's Reference Guide	RICHARDS	Taylor and Fransis	9781466592858	1
17	Design for Manufacturability	ANDERSON	Taylor and Fransis	9781482204926	1
18	Design Management: RIBA Plan of Work 2013 Guide	Dale sinclair	RIBA Publishing; 1 editi	978-1859465509	2
19	Design of Automatic Machinery	DERBY	Taylor and Fransis	9780824753696	1
20	Designing Complex Products with Systems Engineering Processes and Techniques	Vivek d bhise	CRC Press; 1 edition (Kindle edition)	978-1138073753	2
21	Difference Equations with Applications to Queues	JAGERMAN	Taylor and Fransis	9780824703882	1
22	Elements Of Algebraic Topology	MUNKRES	Taylor and Fransis	9780201627282	1
23	Elements of Topology	SINGH	Taylor and Fransis	9781439871959	1
24	Engineering Design	George Dieter , Linda Schmidt	McGraw-Hill Education; 5 edition	978-0073398143	2
25	Engineering Design: A Materials and Processing Approach	George Dieter	McGraw-Hill Education; 5	978-0070168961	2
26	Engineering Optimization-Methods and Applications	A.Ravindran , K.M.Ragsdell	Wiley	978-8126509331	1
27	Finite Element Analysis of Composite Materials	BARBERO	Taylor and Fransis	9781420054330	1
28	Flexible Manufacturing Systems in Practice	TALAVAGE	Taylor and Fransis	9780824777180	1
29	Focused Equipment Improvement for TPM Teams	JAPAN INSTITUTE OF PLANT	Taylor and Fransis	9781563270819	1

**Department of Production Engineering, GEC-Thrissur - List of required Books dated 31st Jan ,2019**

SI No	Title	Author	Publisher	ISBN-13	Copies
		GKP	G.K.Publishers	978-9387766815	1
30	GATE Guide- Production & Industrial Engineer5ing 2019		Taylor and Fransis	9780824793098	1
31	Geometric Dimensioning and Tolerancing	MEADOWS			
32	Global Product: Strategy, Product Lifecycle Management and the Billion Customer Question (Decision Engineering)	Johnn stark	Springer; Softcover rep	978-1849966757	1
33	Handbook of Design Research Methods in Education	KELLY	Taylor and Fransis	9780805860597	1
34	Handbook of Machinery Dynamics	FAULKNER	Taylor and Fransis	9780824703868	1
35	Human Reliability, Error, and Human Factors in Engineering Maintenance	DHILLON	Taylor and Fransis	9781439803837	1
36	Identifying Waste on the Shopfloor	PRODUCTIVITY DEVELOPMENT	Taylor and Fransis	9781563272875	1
37	Implementing a Lean Management System	JACKSON	Taylor and Fransis	9781563270857	1
38	Inside the Mind of Toyota	HINO	Taylor and Fransis	9781563273001	1
39	Integral Logistics Management	SCHONSLEBEN	Taylor and Fransis	9781498750530	1
40	Introduction to Computer Graphics	GANOVELLI	Taylor and Fransis	9781439852798	1
41	Introduction to Nonlinear Finite element Analysis	Nam-Ho-Kim	Springer Nature	978-1441917454	1
42	Introduction to Problem-Based Learning	MOUST	Taylor and Fransis	9789001707309	1
43	Kanban Just-in Time at Toyota	JAPAN MANAGEMENT ASSOCIAT	Taylor and Fransis	9780915299485	1
44	Lean Logistics	BAUDIN	Taylor and Fransis	9781563272967	1
45	Lean Production for Competitive Advantage	NICHOLAS	Taylor and Fransis	9781498780889	1
46	Lean Production Simplified	DENNIS	Taylor and Fransis	9781498708876	1
47	Learning Puppet 4:: A Guide to Configuration Management and Automation	JoRett	Shroff Publishers & Dist	978-9352133659	2
48	Machinery Condition Monitoring	MOHANTY	Taylor and Fransis	9781466593046	1
49	Manufacturing Process Design and Optimization	RHYDER	Taylor and Fransis	9780824799090	1
50	Manufacturing Strategy	MILTENBURG	Taylor and Fransis	9781563273179	1
51	Mapping the Total Value Stream	NASH	Taylor and Fransis	9781563273599	1
52	Markov Processes	KIRKWOOD	Taylor and Fransis	9781482240733	1
53	Materials and Process Selection for Engineering Design	FARAG	Taylor and Fransis	9781420063080	1
54	Materials Characterization Techniques	ZHANG	Taylor and Fransis	9781420042948	1
55	Materials Processing Handbook	GROZA	Taylor and Fransis	9780849332166	1
56	Materials Science for Engineers	ANDERSON	Taylor and Fransis	9780748763658	1
57	Materials Selection for Design and Manufacturing	DATSKO	Taylor and Fransis	9780824798444	1
58	Mechanics of Composite Materials	KAW	Taylor and Fransis	9780849313431	1
59	Mechanics Of Composite Materials	JONES	Taylor and Fransis	9781560327127	1



**Department of Production Engineering, GEC-Thrissur - List of required Books dated 31st Jan ,2019**

SI No	Title	Author	Publisher	ISBN-13	Copies
60	Mechanism Design	RUSSELL	Taylor and Fransis	9781466570177	1
61	Mechatronics in Engineering Design and Product Development	Dobroviojje Popovich	CRC Press; 1 edition (Kindle edition)		1
62	Modern Tribology Handbook, Two Volume Set	BHUSHAN	Taylor and Fransis	9780849384035	1
63	Non-linear Modeling and Analysis of Solids and structures	Steen Krenk	Cambridge University Pres	978-05210830546	1
64	Patent Fundamentals for Scientists and Engineers	GORDON	Taylor and Fransis	9781466509443	1
65	P-M Analysis	KUNIO	Taylor and Fransis	9781563273124	1
66	Practical TPM	LEFLAR	Taylor and Fransis	9781563272424	1
67	preparing for blended e-learning	LITTLEJOHN	Taylor and Fransis	9780415403610	1
68	Principles of Composite Material Mechanics	GIBSON	Taylor and Fransis	9781498720694	1
69	Product Design for Manufacture and Assembly	BOOTHROYD	Taylor and Fransis	9781420089271	1
70	Product Design for the Environment	GIUDICE	Taylor and Fransis	9780849327223	1
71	Product Development and Design for Manufacturing	PRIEST	Taylor and Fransis	9780824799359	1
72	Product Leadership: How Top Product Managers Launch Awesome Products and Build Successful Teams	Richard Banfield , Martin Eriksson	Shroff Publishers & Distributors Pvt Ltd	978-9352135660	3
73	Product Lifecycle Management (Volume 2) (Decision Engineering)	John Stark	Springer Nature; 3rd ed. 2016 edition	978-3319244341	1
74	Product Management For Dummies	Briain lawley	Wiley 2017	978-8126567126	2
75	Product Management in Practice: A Real-World Guide to the Key Connective Role of the 21st Century	Matt Lemay	Shroff Publishers & Distributors Pvt Ltd	978-9352136605	3
76	Production and Operations Management Systems	GUPTA	Taylor and Fransis	9781466507333	1
77	Quick Changeover for Operators	SHINGO	Taylor and Fransis	9781563271250	1
78	Quick Response Manufacturing	SURI	Taylor and Fransis	9781563272011	1
79	Rapid Prototyping and Engineering Applications	LIYOU	Taylor and Fransis	9780849334092	1
80	Rapid Prototyping Technology	COOPER	Taylor and Fransis	9780824702618	1
81	Rapid Prototyping: Principles and Applicatiopns	C.K. Chua	World Scientific Publishing Co Pte Ltd	978-9812778987	1
82	Strategic Supply Chain Management	CORDON	Taylor and Fransis	9780415591768	1
83	Supply Chain Engineering	RAVINDRAN	Taylor and Fransis	9781439811986	1
84	Supply Chain Strategies	HINES	Taylor and Fransis	9780415683197	1
85	Teach Now! Mathematics	UPTON	Taylor and Fransis	9781138783171	1
86	Teaching and Learning through Reflective Practice	GHAYE	Taylor and Fransis	9780415570954	1
87	The Complete Lean Enterprise	KEYTE	Taylor and Fransis	9781482206135	1

**Department of Production Engineering,GEC-Thrissur - List of required Books dated 31st Jan ,2019**

SI No	Title	Author	Publisher	ISBN-13	Copies
88	The Finite Element Method for Mechanics of Solids with ANSYS Applications	DILL	Taylor and Fransis	9781439845837	1
89	Theoretical Kinematics	O.Bottema B.Roth	Dover Publications Inc.	978-0486663463	1
90	Topological Vector Spaces	NARICI	Taylor and Fransis	9781584888666	1
91	Towards Inclusive Learning in Higher Education	ADAMS	Taylor and Fransis	9780415365291	1
92	TPM for Supervisors	PRODUCTIVITY PRESS	Taylor and Fransis	9781563271618	1
93	TPM for the Lean Factory	ARAI	Taylor and Fransis	9781563271915	1
94	Understanding A3 Thinking	SOBEK II.	Taylor and Fransis	9781563273605	1
95	Vector and Tensor Analysis	YOUNG	Taylor and Fransis	9780824787899	1
96	What Every Engineer Should Know about Reliability and Risk Analysis	MODARRES	Taylor and Fransis	9780824789589	1
97	Introduction to Materials Science and Engineering	CHUNG	Taylor and Fransis	9780849392634	1

Department of Mechanical Engineering

SI No.	Title	Author	Publications	Edition	Quantity required
1	Principles of Turbomachinery	Seppo A.Korpela	A John Wiley and Sons.inc.Publicatins	5	1
2	An Introduction to the Mechanics of Solids	S. H. Crandall, N.C. Dahl, and T. J. Lardner	McGraw Hill	6	3
3	Materials and Processes in Manufacturing	Paul Degarma E and Ronald A. Kosher	Wiley	13	5
4	Biodiesel production and properties	Amith sarin	RSC publishing	1	1
		Nikhilesh chawla,Krishan			
5	Metal matrix Composites	K. Chawla	Springer	2	1
6	An introduction to computational fluid dynamics,Finite volume method	Westfield H. Versteeg	Pearson	3	2
7	Computational fluid dynamics and heat transfer	P.S. Ghosh Dastidar	Cengage India Pvt.limited	2	4
8	Modern compressible flow with historical perspectives	John D.Anderson	Mc Graw hil	4	4
9	Engineering Heat and Mass Transfer	N.V.Surnarayana	Penram publications	2	4
10	Getting started with MAT Lab	Redraprathap	Oxford	2	4
11	A first course in Numerical Methods	Urim A.Scher	PHI international	2	4
12	Numerical heat transfer and heat flow	Suhas V.Patankar	CRC press	2	4
13	Computational fluid dynamics and heat transfer	T.A. Chung	Cambridge university press	2	1
14	Computational fluid dynamics and heat transfer	Gautham and biswas	Narosa publications	2	4
15	Computational methods for fluid dynamics	Joel H. Fezinger and M.Peric	Springer	2	1

16	Design and analysis of experiments	Douglas C. Montgomery	wiley	8	3
17	An Introduction to Energy Conversion: Turbomachinery, Volume 3	V. Kadambi, Manohar Prasad	New Academic Science,	3	3
18	Fluid Mechanics of Turbomachinery,	G. F Wislicenus,	Dover Publications,	2	1
19	Design and Simulation of Four-Stroke Engines	Gordon P. Blair	SAE International	2	1
20	PEM Fuel Cells	Frano Barbir	Elsevier Academic Press	2	1
21	Present and Future Automotive Fuels : Performance and Exhaust Clarification	Osamu Hirao and Richard K.Pefley,	John Wiley and Sons,	2	1
22	Machine tool design & Numerical control	N Mehta	Mc Graw hil	3	4
23	Manufaturing technology Foundry,Forming and Welding	P.N.Rao	Mc Graw hil	4	4
24	<del>Internal combustion engine modeling</del>	<del>J.I.Ramos</del>	<del>Hemisphere Publishing</del>	<del>1</del>	<del>1</del>
25	Internal Combustion Engine Handbook: R-345: Basics, Components, Systems and Perspectives	Richard van Basshuysen (	SAE International	2	1
26	Biodiesel Basics and Beyond: A Comprehensive Guide to Production and Use for the Home and Farm	Mr. William H Kemp	CreateSpace Independent Publishing Platform	1	1
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