

Government College of Engineering, Yavatmal

Department of Electronics & Telecommunication

Required List of Books for Sesion 2022-23

Sr. No.	Name of Book	Author	Publisher	No. of Copies
1	"Feedback and Control Systems"	Schaum"s Outline Series	Tata McGraw-Hill	5
2	"Modern Control Engineering"	K. Ogata	Pearson Education India	10
3	"Automatic control systems"	Benjamin C. Kuo	Prentice Hall of India	5
4	"Structured Computer	A. S. Tanenbum	PHI, Third edition	5
5	"Computer Organization and Microprogramming" Englewood Chiffs,	N.J.,Y.Chu,	Prentice Hall second Edition	5
6	"Computer Architecture and Organization"	Hayes J.P,	PHI, Second edition	5
7	"How to Solve it by Computer",	by R. G. Dromey	Pearson Education	5
8	"Data Structure with C,"	Seymour Lipschutz	Tata Mc Graw Hill	5
9	"Electromagnetic waves"	R.K.Shevgaonkar,	Tata McGrawHill	5
10	"Element of Electromagnetic"	Sadiku ,	Oxford	10
11	"Engineering Electromagnetic"	W. H. Hayt	McGraw Hill ,	3
12	"Electromagnetic Waves and Radiating Systems"	E. C. Jordan & K. G. Balmain	Prentice Hall,	3
13	"The 8085 microcontroller & embedded system, using assembly and C"	Mazidi & Mazidi,	Pearson Education	5
14	"ARM system-on-chip architecture"		2e pearson education.	10
15	"8051 microcontroller"	Udyashankara V., Mallikarjunaswamy,	McGraw Hill ,	5
16	"PIC Microcontroller and Embedded Systems: Using Assembly and C for PIC18"	Danny Causey, Muhammad Ali Mazidi, and Rolin	Pearson Education	10
17	"Network and Systems"	D Roy Chaudary	New Age International, 1988	10
18	"Circuit Theory and Networks Analysis and Synthesis"	Ravish Singh	McGraw Hill	10
19				
20	"Digital Signal Processing: A computer based approach"	S.K.Mitra,	TMH	10

21	“Introduction to Digital Signal Processing”	J.R. Johnson,	Prentice Hall	5
22	“Digital Signal Processing”	D.J.DeFatta, J. G. Lucas and W.S.Hodgkiss,	John Wiley & Sons	5
23	“Discrete Time Signal Processing”	A.V. Oppenheim and Schafer,	Prentice Hall	5
24	“Digital Signal Processing”	Rafat,	Oxford	10
25	“Analog Integrated Circuit Design”	Tony Chan Carusone, David A. Johns, Kenneth W. Martin,	John Wiley & Sons	5
26	“CMOS PLL Synthesizers”	Keliu Shu, Edgar Sanchez-Sinencio,	Springer	5
27	“Intermodulation Distortion in Microwave and Wireless Circuits”,	Jose Carlos Pedro, Nuno Borges Carvalho,	Artech House	5
28	“VHDL Primer”	by J. Bhasker;	Addison Wesley Longman Pub.	10
29	“VHDL Programming by Examples”	by Douglas L. Perry	McGraw-Hill Education	10
30	“Essentials of Electronic Testing for Digital, Memory and Mixed-Signal VLSI Circuits”,	by M. L. Bushnell and V. D. Agrawal,	Kluwer academic Publisher	10
31	“Digital Communication System”	Saymon Haykin	Wiley	5
32	“Communication System”	A.B.Carlson,P.B.Cu rling	McGraw-Hill Education	5
33	“Digital Communication”	Dr. Sanjay Shuna	S.K.Kataria	5
34	“A First Course in Digital Communication”	Ha Nguyen	Cambridge University	5
35	“Optical Communication System”	J.Gowar	Prentice Hall	5
36	“Fiber Optic Communication System”	G. Agrawal	John Wily & Sons	5
37	“Non linear Fiber Optics”	G. Agrawal	Academic Press	5
38	Engineering Mathematics	Tembhekar, C. N.	Das GanuPrakashan	30
39	Fundamentals of Microprocessors and	B. Ram	Dhanpat Rai Publications	30
40	Feedback Control Systems	Bakshi, U. A.	Technial Publication	30
41		Goyal, S. C.		
42	Control Systems Engineering	Nagrath, I. J.	New Age International	10
43		Gopal, M		
44	Signals and Systems	Babu, P. R.	Scitech Publications	30
45		Natarajan, R. A.		
46	Microelectronics Digital & Analog Circuits & Systems	Millman, J.	McGraw-Hill	10

47	A Text Book of Applied Mathematics Vol.-- IV	Wartikar, P. N.	Pune Vidyarthi Griha	10
48		Wantikar, J. N.		
49	Pulse and Digital Circuits	Kumar, A.		10
50	Electronic Circuits Analysis and	Neamen, D. A	Tata McGraw-Hiil	30
51	Consumer Electronics	Bali S.P.	Pearson education	20
52	Electromagnetic Field Theory Fundamentals	Guru, B. S.	Thomson Books	10
53		Hiziroglu, H. R		
54	Digital Signal Processing	Salivahanan, S.	Tata McGraw - Hill	10
55		Vallavaraj, A.		
56		Gnanapriya, C		
57	Digital Signal Processing	Babu, P. R	Scitech Publication	20
58	Modern Television Practice	Gulati, R. R.	New Age	10
59	Quantitative Aptitude	Aggarwal, R. S	S. Chand	10
60	Microwave Devices and Circuits	Liao, S. Y.	Pearson Education	10
61	Digital Image Processing with Matlab code	Thekhedar, D.		10
62	Introduction to paython Programming Language		Paython Learner	10
63	Bioinformatics Concepts, Skill & Applications	Rastogi, S.C	CBS Pub	15
64	Data Communications and Networking	Forouzan, B. A.	Tata McGraw	10
65	Application Software Reengineering	Aalam / Padenga		20
66	Power Electronic Systems: Theory & Design	Agrawal		20
67	Network Flows: Theory, Algorithms, and Applications	Ahuja		20
68	Manufacturing Organization & Management, 6e	Amrine		20
69	Fundamentals of Digital Image Processing	Annadurai		20
70	Mechatronics: Mechanical System Interfacing, 1/e	Auslander		20
71	Linear Integrated Circuits	B. Visvesvara Rao		20
72	Engineering Mechanics	Babu		20
73	Engineering Mathematics Volume-II, 2e	Babu Ram		20
74	Engineering Mathematics Volume-I, 2e	Babu Ram		20
75	Engineering Mathematics	Babu Ram		20
76	Consumer Electronics	Bali		20
77	Embedded Systems	Barrett		20
78	Environmental Studies	Basak		20

79	Digital Communications: Design for the Real World	Bateman		20
80	Principles of Measurement Systems, 3e	Bentley		20
81	Power Systems Analysis, 2e	Bergen		20
82	Basic Electrical and Electronics Engineering	Bhattacharya		20
83	Control Systems Engineering, 3e	Bhattacharya		20
84	Network Analysis and Synthesis	Bhattacharya		20
85	Modern Power Electronics and AC Drives	Bimal K. Bose		20
86	Introduction to Wireless Systems	Black		20
87	Logistics Engineering & Management 6e	Blanchard		20
88	Electronic Devices and Circuits, 6e	Bogart		20
89	Mechatronics: Electronic Control Systems in Mechanical and Electrical Engineering, 4e	Bolton		20
90	Electronic Devices and Circuit Theory, 11e	Boylestad		20
91	Introductory Circuit Analysis, 12e	Boylestad		20
92	The Intel Microprocessors: 8086/8088, 80186/80188, 80286, 80386, 80486, Pentium, Pentium Pro Processor, Pentium II, Pentium III, Pentium 4, and Core2 with 64-bit Extensions, 8e	Brey		20
93	Modern Control Theory, 3e	Brogan		20
94	WDM Optical Networks: Concepts, Design, and Algorithms	C. Siva Ram Murthy / Mohan Gurusamy		20
95	The Essence of Neural Networks	Callan		20
96	Introduction to Biomedical Equipment Technology, 4e	Carr		20
97	Elements of Electronic Instrumentation and Measurement, 3e	Carr		20
98	Introduction to Mechatronic Design	Carrier / Ohline / Kenny		20
99	Digital Image Processing	Castleman		20

100	Introduction to Finite Elements in Engineering 4e	Chandrupatla / Belegundu		20
101	Computer-Aided Manufacturing, 3e	Chang		20
102	Engineering Management: Challenges in the New Millennium	Chang		20
103	Field & Wave Electromagnetic, 2e	Cheng		20
104	Fundamentals of Engineering Electromagnetics	Cheng		20
105	Electronic Devices and Circuits 2e	Cheruku		20
106	Foundations of Electronics	Cogdell		20
107	Digital & Analog Communication Systems, 8e	Couch		20
108	Introduction to Robotics: Mechanics and Control, 3e	Craig		20
109	Engineering Mathematics: A Foundation for Electronic, Electrical, Communications and Systems Engineers, 4e	Croft		20
110	Biomedical Instrumentation And Measurements 2e	Cromwell		20
111	Embedded Systems: An Integrated Approach	Das		20
112	The X 86 Microprocessors: Architecture, Programming and Interfacing (8086 to Pentium) 2e	Das		20
113	Embedded Systems	Dave		20
114	Basic Electronics	De		20
115	Electrical Engineering Fundamentals	Del Toro		20
116	Introduction to Biomedical Engineering 2e	Domach		20
117	Modern Control Systems, 12e	Dorf		20
118	Electromagnetic Concepts and Applications, 4/e	DuBroff / Marshall / Skitek		20
119	Pattern Recognition and Image Analysis	Earl Gose / Richard Johnsonbaugh / Steve Jost		20
120	Introduction to Matlab 7	Etter		20
121	Electrical Power Distribution and Transmission	Faulkenberry		20
122	Fundamentals of Neural Networks: Architectures, Algorithms and Applications	Fausett		20

123	An Engineering Approach to Digital Design	Fletcher		20
124	Telecommunication Switching, Traffic and Networks	Flood		20
125	Electronic Devices 9e	Floyd		20
126	Fundamentals of Analog Circuits 2e	Floyd		20
127	Neural Networks	Freeman		20
128	Advanced Control Systems Design, 1/e	Friedland		20
129	ARM System-on-Chip Architecture 2e	Furber		20
130	Foundations of Antenna Theory and Techniques	Fusco		20
131	Principles and Applications of GSM	Garg		20
132	Engineering Mathematics Volume I	Garg / Gupta		20
133	Engineering Mathematics Volume II	Garg / Gupta		20
134	Op-Amps and Linear Integrated Circuits 4e	Gayakwad		20
135	Control Systems: Theory and Applications, 2/e	Ghosh		20
136	Signals and Systems	Ghosh		20
137	8051 Microcontroller: Internals, Instructions, Programming and Interfacing 2e	Ghoshal		20
138	Control System Design	Goodwin / Graebe / Salgado		20
139	Basic Civil Engineering	Gopi		20
140	System Simulation 2e	Gordon		20
141	Digital Electronics, 5e	Green		20
142	Mastering Matlab 7	Hanselman		20
143	Fundamentals of Nanoelectronics	Hanson		20
144	Multirate Signal Processing	Harris		20
145	Adaptive Filter Theory, 4e	Haykin		20
146	Modern Wireless Communication	Haykin/Moher/Koillai		20
147	Modern Electronic Instrumentation & Measurement Techniques	Helfrick & Cooper		20
148	Environmental Science and Engineering 2e	Henry / Heinke		20
149	Modern Semiconductor Devices for Integrated Circuits	Hu		20
150	Basic Circuit Theory 3e	Huelsman		20

151	Digital Signal Processing	Ifeachor		20
152	Express Learning Series - Digital Electronics and Logic Design	ITL ESL		20
153	Fundamentals of Digital Image Processing	Jain		20
154	Advanced Modern Engineering Mathematics, 3e	James		20
155	Engineering Graphics with AutoCAD 2015	James D. Bethune		20
156	A VHDL Primer, 3e	Jayaram Bhasker		20
157	Fundamentals of Signals and Systems Using the Web and Matlab, 3e	Kamen		20
158	Wireless Digital Communications: Modulation and Spread Spectrum Applications	Kamilo Feher		20
159	Principles of Power Electronics	Kassakian		20
160	VHDL: Basics to Programming	Kaur		20
161	Systems Analysis and Design 9e	Kendall / Kendall		20
162	Electronic Instrumentation and Measurement	Kishore		20
163	Fiber Optics Communications	Kolimbiris		20
164	Analog Signals and Systems	Kudeki		20
165	Basic Mechanical Engineering	Kumar		20
166	Analog and Digital Communications	Kundu		20
167	Digital Signal Processors: Architectures, Implementations, and Applications	Kuo		20
168	Operational Amplifiers and Linear Integrated Circuits	Lal Kishore		20
169	Introduction to Nuclear Engineering 3e	Lamarsh		20
170	Probability and Random Processes for Electrical Engineering, 2e	Leon-Garcia		20
171	Fundamentals of Embedded Software with the ARM Cortex-M3	Lewis		20
172	Basic Control Systems Engineering, 1/e	Lewis		20
173	Microwave Devices and Circuits, 3e	Liao		20
174	Error Control Coding	Lin		20
175	RF Circuit Design	Ludwig		20

176	Understanding Digital Signal Processing, 3e	Lyons		20
177	The 8051 Microcontroller, 4e	MacKenzie		20
178	Engineering Physics	Mani Naidu		20
179	Environmental Studies	Manjunath		20
180	Digital Communication Techniques: Signal Design and Detection	Marvin K. Simon / Sami M. Hinedi / William C. Lindsey		20
181	AVR Microcontroller and Embedded Systems: Using	Mazidi		20
182	Genetic Algorithms for VLSI Design Layout & Test Automation	Mazumder		20
183	Communication Skills for Engineers, 2e	Mishra		20
184	Fiber-Optics Communications Technology	Mynbaev		20
185	Discrete-Time Signal Processing, 3e	Oppenheim		20
186	Digital Signal Processing	Oppenheim / Schafer		20
187	Signals and Systems 2e	Oppenheim / Willsky / Hamid		20
188	Fiber Optic Communications, 5e	Palais		20
189	Fuzzy Logic: Intelligence, Control, and Information	Yen		20
190	CMOS/BiCMOS ULSI Low Voltage Low Power	Yeo		20
191	Signals and Systems: Continuous and Discrete, 4/e	Ziemer		20
192	Introduction to Spread Spectrum Communications	Ziemer/Peterson/Bo rth		20
193	Wireless Communication Systems	Abhishek Yadav		20
194	Analog Electronics	Balwinder Singh, Ashish Dixit		20
195	Digital Signal Processing Fundamentals	Ashfaq A. Khan		20
196	Electronic Components	Dr. K. Padamanabhan, P. Swaminathan		20
197	Digital Image Processing	Abhishek Yadav, Poonam Yadav		20
198	Digital Principles and Logic Design Techniques	Arijit Saha, Nilotpal Manna		20
199	Linear and Digital Integrated Circuits Design	A. Sudhakar		20

200	Microprocessors	Manish Varshney, Jyoti Agarwal		20
201	Introduction to Microprocessors	Abhishek Yadav, Poonam Yadav		20
202	Digital Signal Processing	C. Ramesh Babu Durai		20
203	PLCs & SCADA - Theory and Practice	Rajesh Mehra, Vikrant Vij		20
204	Telecommunication Switching System	Subhajit Chatterjee, Anindya Ghosh		20
205	Basic Digital Electronics	M.V. Subramanyam, Bhupesh Bhatia		20
206	A Textbook on Wireless Communications and Networks	K. Srinivasa Reddy		20
207	Analog and Digital VLSI Circuit Design	Saradindu Panda		20
208	Microwave and Radar Engineering with Lab Manual	Vinith Chauhan		20
209	PLC and SCADA	Jitender Singh, Monika Deswal		20
210	Mobile Computing	Rishab Anand		20
211	Fundamentals of Electromagnetics	A.V.Mahatme		20
212	Principles of Electronics	Dr. Sangeeta Chaudhary		20
213	Network Analysis and Synthesis	Mohammed Arshad		20
214	VLSI Fabrication Technology	Balwinder Singh, Balwinder Raj, Ashish Dixit		20
215	A Guide To Wireless Sensor Networks	S. Swapna Kumar		20
216	Electronics and Microprocessors	P. Manimegalai, G. Pabitha		20
217	VLSI Design-Theory and Practice	Vikrant Viz, Nidhi Syal		20
218	Fundamentals of Power Electronics with MATLAB	Randall Shaffer		20
219	8051 Microcontroller Architecture, Programming and Application	M. Mahalakshmi		20
220	Biomedical Signal Processing	N. Vyas, S. Khalid		20
221	Elements of Optical Communication and Optoelectronics	Anil Shukla		20

222	Optoelectronics and Optical Communication	Arijit Saha, Nilotpal Manna		20
223	Optical Communication Systems	Satinder Bal Gupta, Ashish Goel		20
224	Digital Fundamentals and Applications	Dr. C.K. Chanda, Sumit Banerjee		20
225	Digital Image Processing	Dr. Shashi Kr. Singh		20
226	Analog and Digital Electronics	Mrs. Kimmi Verma		20
227	Digital Signal Processing (Principles and Implementations)	Jigar H. Shah, Jay M. Joshi		20
228	Microcontroller and Embedded System	Er. Vikrant Vij		20
229	Wireless Communication	Sachin S. Sharma		20
230	Discrete Electronics Circuits and its applications	Sujit Dhar		20
231	A Laboratory Course in Microwave	Dr. Somi Sebastian		20
232	Introduction to Wireless Technology	Avnip Deora, Pooja Dhand, Roopali Sood		20
233	Digital Communications	Abhishek Yadav		20
234	Electric Circuits and Electron Devices	Dr. K. Padmanabhan, P. Swaminathan, Dr. S. ananthi		20
235	Fundamental of Electronics Circuit Design	P.V. Itakalkar, Prof. G.A. Kulkarni, V.P. Joshi		20
236	Fundamentals of Electronic Engineering (Uttarakhand Technical University)	Dr. R.K. Singh, Ashish Dixit		20
237	Switching Theory and Logic Design	M.V. Subramanyam		20
238	Solid State Devices and Circuits	Ashish Dixit, Anand Chopra, Shiv Kr. Jaiswal		20
239	Applied Electromagnetics (Using Quick Field and MATLAB)	James R. Claycomb		20
240	Architecture and Programming of 8051 Microcontrollers	Alka Kalra, Sanjeev Kr. Kalra		20
241	Electronic Devices and Circuits	Manish S. Kimmatkar, Kiran Manish Kimmatkar		20

242	Electronics Engineering	Ashish Dixit, Anand Chopra, Vivek Srivastava		20
243	Electronics Engineering (U.P.)	Abhishek Yadav, Poonam Yadav, Subhash Chandra Arya		20
244	Fields and Waves - A Fundamental Approach	Deepak Sood		20
245	Maxwell's Equations and the Principles of Electromagnetism	Richard Fitzpatrick		20
246	Network Analysis and Circuits	M. Arshad		20
247	OPC Fundamentals, Implementation and Application	Frank Iwanitz, Jiirgen Lange		20
248	Wireless Communication	Vikrant Viz		20
249	Wireless Sensor Networks- Research Monograph	S. Anandamurugan		20
250	Advanced Communication Lab Manual	Dr. Preeta Sharan		20
251	Analysis of Basic Systems	Saurabh Mani Tripathy		20
252	Applications of Power Electronics in Power System	Saifullah Khalid, Neeraj Vyas		20
253	Electrical and Electronics Engineering	Vikramaditya Dave		20
254	Electronic Devices and Circuit	Sachin S. Sharma		20
255	Electronic Safety Systems (Hardware Concepts, Models and Calculations)	Josef Baresok		20
256	Electronics Devices and Circuits	Balwinder Singh, Ashish Dixit, Balwant Raj		20
257	Electronics Switching	Anindita Saini		20
258	Microelectronics and Optoelectronics Technology	Saradindu Panda		20
259	Microprocessor System	Saifullah Khalid, Neetu Agrawal		20
260	Analog Communication System	Abhishek Yadav		20
261	Analog and Digital Electronics	Bhupesh Bhatia, Sunil Paliwal, Balvir Singh, Navneet Sharma		20
262	Basic Electronics	Rakesh Kumar Garg, Ashish Dixit, Pavan Yadav		20
263	Basic Electronics and Instrumentation	Saifullah Khalid, Neetu Agrawal, Mukesh Jain		20

264	Digital Principles & Logic Design	A. Saha, N. Manna		20
265	Introduction to MATLAB & SIMULINK a Project Approach	O. Beucher, M. Weeks		20
266	Microprocessor 8085, 8086	Abhishek Yadav		20
267	Power Electronics	Sachin S. Sharma		20
268	Solid State Devices and Circuits	Abhishek Yadav		20
269	Antenna and Wave Propagation	Vijay Kr. Salvia		20
270	Basic Electronics Engineering & Devices	Dr. R.K. Singh, Ashish Dixit		20
271	Classical Electrodynamics	Hans C. Ohanian		20
272	Digital Signal Processing	M. S. Abdaheer		20
273	Network and System	D.C. Dubkariya		20
274	Optical Communications	K.V.S.S.S.S. Sairam		20
275	Optical Communications	N. Bala Saraswati, I. Ravi Kumar		20
276	Principles of Optical Communication and Opto Electronics	I. Ravi Kumar, N. Bala Saraswathi		20
277	Digital Communication System Using System VUE	Dennis Silage		20
278	Microprocessor (8085) Lab Manual	G.T. Swamy		20
279	Compr. Electronic Engineering Fundamentals	Monish Gupta		20
280	Advanced Microprocessor & Microcontrollers	Prof. S.K. Venkata Ram		20
281	Compr. Statistical Theory of Communication	I. Ravi Kumar		20
282	Electronics Engineering (O.T.)	R. Kumar		20
283	An Introduction to Principles of Digital Communication Engineering	P. Sri Hari		20
284	Digital signal Processing	Prokis		10