



LIST OF SUGGESTED BOOKS OF INDIAN AUTHORS FOR POSTGRADUATE DEGREE COURSES IN ENGINEERING & TECHNOLOGY

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AICTE Suggested Books in Engineering & Technology w.e.f. 2018

List of Available quantity with RIT CENTRAL LIBRARY

COMPUTER SCIENCE & ENGINEERING

SEMESTER -I

S.N	COURSES	S.N	LIST OF SUGGESTED BOOKS/ PUBLICATIONS	Available Quantity
1	Mathematical Foundations for Computer Science	1.	K.Trivedi, Probability and Statistics with Reliability, Queuing, and Computer Science Applications, Wiley	9
		2.	V. Balakrishnan, Schaum's Outlines of Combinatorics, TMH	-
		3.	Mansih Sharma & Amit Gupta, The Practice of Business Statistics, KPH, New Delhi	-
2	Advanced Data Structures	1.	E. Balaguruswamy, Data Structures Using C, TMH	-
		2.	R.B. Patel, Expert Data Structures with C++, Khanna Book Publishing	-
		3.	Yashwant Kanetkar, Data Structures Through C, BPB	22
3	Data Science	1.	V.K. Jain, Data Science & Analytics, Khanna Book Publishing, New Delhi	-
		2.	Dinesh Kumar, Business Analytics, Wiley India	-
4	Machine Learning	1.	V.K. Jain, Machine Learning, Khanna Publishing House	-
		2.	Vinod Chandra S.S., Artificial Intelligence & Machine Learning, PHI	-
		3.	Rajiv Chopra, Deep Learning	-
5	Research Methodology and IPR	1.	Ranjit Kumar, Research Methodology: A Step by Step Guide for beginners, Sage Publishing	35
		2.	T. Ramappa, Intellectual Property Rights Under WTO, S. Chand	-
		3.	Gupta, Business Research Methods, McGraw Hill Education	EBOOK
6	Ethical Hacking	1.	Harsh Bothra, Hacking, Khanna Book Publishing, New Delhi	-
		2.	Prateek Shukla & Navneet Mehra, The Unrevealed Secrets of Hacking and Cracking, Unicorn	-
		3.	Ankit Fadia, The Unofficial Guide to Ethical Hacking, Laxmi Publications	-
8	Introduction to Intelligent Systems	1.	M.C.Trivedi, Artificial Intelligence, Khanna Publishing House	-
		2.	Rich, Knight, Shivshankar, Artificial Intelligence, TMH	14
		3.	Deepak Khemani, A First Course in Artificial Intelligence, McGraw Hill	EBOOK
9	Distributed Systems	1.	Pradeep K. Sinha, Distributed Operating Systems, PHI	31
		2.	Ikvinderpal Singh, Distributed Systems, Khanna Book Publishing	-
10	Advanced Wireless and Mobile Networks	1.	Pandya Raj, Mobile, Personal Communications Systems and Services, PHI	14
		2.	Talukdar, Mobile Computing, TMH	28
		3.	Brijesh K. Gupta, Mobile Computing, Khanna Publications	-
11	Operating System Design	1.	M. Singhal, N.G. Shivratri, Advanced Concept in Operating System, McGraw Hill Education	EBOOK
		2.	Ekta Walia, Operating Systems, Khanna Book Publishing Co. (P) Ltd., Delhi	-
		3.	Godbole, Operating Systems, TMH	11
12	Cluster and Grid Computing	1.	Janakiram, Grid Computing Models, TMH	-
		2.	Buyya, High Performance Cluster Computing, Pearson	-
13	Wireless Access Technologies	1.	Singal, Wireless Communications, TMH	-
		2.	Jaganatham, Principles of Modern Wireless Communications Systems, TMH	-

14	Smart Sensors and Internet of Things	1.	Jeeva Jose, Internet of Things, Khanna Publishing House	-
		2.	Raj Kamal, Internet of Things, TMH	-
		3.	Bahga, Internet of Things, University Press	-
15	Logic and Functional programming	1.	Saroj Kaushik, Logic and Prolog Programming, New Age International Ltd	-
16	Recommender System	1.	Charu C. Aggarwal, Recommender Systems: The Textbook, Springer	EBOOK
SEMESTER-II				
17	Soft Computing	1.	Sivanandam & Deepa, Principles of Soft Computing, Wiley India	22
		2.	S. Rajasekaram & G.A. Vijyalakshmi Pai, Neural Networks, Fuzzy Logic and Genetic Algorithms, PHI	7
18	Big Data Analytics	1.	V.K. Jain, Big Data and Hadoop, Khanna Book Publishing, Delhi	-
		2.	Maheshwari, Data Analytics, McGraw	EBOOK
		3.	V.K. Jain, Data Science and Analytics, Khanna Publications, Delhi	-
19	Web Analytics and Development	1.	Avinash Kaushik, Web Analytics: The Art of Online Accountability, Wiley	-
		2.	Godbole, Web Technologies, TMH	2
		3.	Rajkamal, Internet and Web Technologies, TMH	-
20	Advance Algorithms	1.	Gajendra Sharma, Design & Analysis of Algorithms, Khanna Book Publishing, New Delhi	-
		2.	Udit Agarwal, Algorithms Design and Analysis, Dhanpat Rai	-
21	Information Theory & Coding	1.	Monica Borda, Fundamentals in Information Theory and Coding, Springer	EBOOK
		2.	Singh & Sapre, Communication Systems, TMH	55
		3.	Bose, Information Theory, Coding and Cryptography, THM	3
22	Security Assessment and Risk Analysis	1.	Dwivedi, Mobile Application Security, TMH	-
23	Biometrics	1.	Anil Jain, Karthik Nanda Kumar, Introduction to Biometric, Springer	EBOOK
		2.	A. K. Jain, and S. Prabhakar, Handbook of Fingerprint Recognition, Springer	EBOOK
24	Secure Software Design & Enterprise Computing	1.	Feroz Khan, SMAC: Digital Discipline Building Digital Enterprise, TMH	-
		2.	Rajesh Ray, Enterprise Resource Planning: Text & Cases, TMH	-
25	Concurrency, Parallelism and Distributed System	1.	Elmarsji, Navathe, Somayajulu, Gupta, Fundamentals of Database Systems, Pearson Education	41
26	Parallel Algorithms	1.	Pai, Data Structures and Algorithms, TMH	-
		2.	Salaria, Data Structures using C, Khanna Publishing House	-
		3.	Yashwant Kanitkar, Data Structures Through C, BPB	22
27	IoT Application and Communication Protocol	1.	Raj Kamal, Internet of Things, TMH	-
		2.	Jeeva Jose, Internet of Things, Khanna Book Publishing	-
		3.	Bahga, Internet of Things, University Press	-
28	Network Security	1.	V.K. Jain, Cryptography and Network Security, Khanna Publishing House	-
		2.	Atul Kahate, Cryptography and Network Security, TMH	5

29	Advanced Machine Learning	1.	Rajiv Chopra, Deep Learning, Khanna Book Publishing Co., New Delhi	-
		2.	V.K. Jain, Machine Learning, Khanna Book Publishing Co., New Delhi	-
SEMESTER-III				
30	Cloud Computing	1.	Buyya, Cloud Computing, TMH	28
		2.	Janakiram, Grid and Cloud Computing, TMH	-
31	Distributed Databases	1.	Channda Ray, Distributed Database Systems, Pearson	-
		2.	Saheed K. Rahimi, Distributed Database Systems, Wiley India	-
32	Business Analytics	1.	Business Analytics, U. Dinesh Kuamr, Wiley India	-
		2.	Krishnan, Bhambri & Chopra, Business Analytics, Khanna Publications	-
		3.	V.K. Jain, Data Science and Analytics, Khanna Publishing House	-
33	Industrial Safety	1.	S.C. Sharma, Industrial Safety, Khanna Book Publishing	-
		2.	H. P. Garg, Maintenance Engineering, S. Chand and Company	-
		3.	A.K. Gupta , Industrial Safety and Environment, Laxmi Publications	-
34	Operations Research	1.	J.C. Pant, Introduction to Optimisation: Operations Research, Jain Brothers, Delhi,	-
		2.	Pannerselvam, Operations Research, Prentice Hall of India	14
34	Cost Management of Engineering Projects	1.	Ashish K. Bhattacharya, Principles & Practices of Cost Accounting, A. H. Wheeler publisher	15
		2.	N.D. Vohra, Quantitative Techniques in Management, Tata McGraw Hill Book Co. Ltd.	EBOOK
		3.	Rangwala, Estimation, Costing and Valuation, Charotar Publishing House	23
35	Composite Materials	1.	K.K. Chawla, Composite Materials, Springer	EBOOK
		2.	Balasubramaniam, Composite Materials, John Wiley & Sons, Indian Ed.	-
		3.	Narula & Narula, Material Science, TMH	3
36	Waste to Energy	1.	O.P. Gupta, Energy Technology, Khanna Publishing	-
		2.	Khandelwal, K. C., Mahdi, Biogas Technology - A Practical Hand Book, TMH	3
		3.	Waste to Resources, TERI Press, New Delhi	-
37	Data Warehousing & Mining	1.	Vipin Kumar, Introduction to Data Mining, Pearson	-
		2.	Ikvinderpal Singh, Data Mining & Warehousing, Khanna Publishing House	-
38	Web Search & Information Retrieval	1.	Chakrabarti, Mining the Web, Elsevier India Pvt. Ltd	-
		2.	Avinash Kaushik, Web Analytics, Sybex	-
39	Compiler for HPC	1.	Raghavan, Principles of Compiler Design, TMH	-
		2.	A.V. Aho, Principles of Compiler Design, Narosa	-
40	Optimization Techniques	1.	C.B. Gupta, Optimization Techniques, IK International Publications	-
		2.	Mohan & Deep, Optimization Techniques, Newage Publications	-
41	Quantum Computing	1.	Singh & Singh, Elements of Quantum Mechanics, S.Chand Publications	-
		2.	C.T. Bhunia, Introduction to Quantum Computing, Newage Publishers	-
42	DNA Computing	1.	Rajagopal, Recombinant DNA & Genetic Engineering, TMH	-
43	IOT and Smart Cities	1.	Jeeva Jose, Internet of Things, Khanna Book Publishing	-
		2.	Raj Kamal, Internet of Things, TMH	-
		3.	Bahga, Internet of Things, University Press	-

44	Emulation and Simulation Methodologies	1.	Averill M Law, Simulation Modeling and Analysis, TMH	6

CIVIL ENGINEERING

SEMESTER-I

S.N o.	COURSES	S.N o.	LIST OF SUGGESTED BOOKS/ PUBLICATIONS	Available Quantity
1	Advanced Structural Analysis	1.	R. Agor, Structural Analysis, Khanna Publishing House, Delhi	-
		2.	Pandit, G. S. and Gupta S. P., Structural Analysis A Matrix Approach, TMH	40
		3.	Reddy, Basic Structural Analysis, McGraw Hill India	EBOOK
2	Advanced Solid Mechanics	1.	D.S. Bedi, Strength of Materials, Khanna Book Publishing	1
		2.	Ghosh D, Advanced Strength of Materials, New Age International	12
		3.	Kazimi, Advanced Mechanics of Solid, McGraw Hill	EBOOK
3	Theory of Thin Plates and Shells	1.	Chandrashekhara K, Theory of Plates, Universities Press	-
		2.	Ramaswamy G.S., Design and Construction of Concrete Shells, CBS Publishers	21
4	Theory and Applications of Cement	1.	Swamy R.N., Blackie, New Concrete Materials, Academic & Professional	-
		2.	S.K. Sharma, Civil Engineering Construction Materials, Khanna Books	-
5	Theory of Structural Stability	1.	Iyengar, N. G. R., Structural Stability of columns and plates, Eastern West	-
		2.	Ashwini Kumar, Stability Theory of Structures, Allied Publishers	1
6	Analytical and Numerical Methods for Structural Engineering	1.	Sastry S. S, Introductory Methods of Numerical Analysis, PHI	29
		2.	RS Salaria, Computer Oriented Numerical Methods, Khanna Publishing	-
7	Advanced Hydrology	1.	Ojha & Bhunya, Engineering Hydrology, Oxford University Press	-
		2.	K. Subramanya, Engineering Hydrology, TMH	11
8	Advanced Fluid Mechanics	1.	SS Rattan, Fluid Mechanics, Khanna Publishing House	-
		2.	Ojha & Chandaramouli, Fluid Mechanics, Oxford University Press	-
		3.	Subramanya, Fluid Mechanics and Hydraulic Machines: Problems and Solutions, TMH	-
9	Fluvial Hydraulics	1.	R.J. Garde, History of Fluvial Hydraulics, Newage Publications	-
10	Hydraulic Structures	1.	Singh, B., and Varshney, R.S., Embankment Dam and Engineering, Nemchand & Bross	-
11	Systems Engineering	1.	Rao, S.S., Engineering Optimization, New Age International (P) Ltd., Delhi	33
12	Water Resources Systems Planning	1.	Vedula S. and Mujumdar, P.P., Water Resources Systems, Tata McGraw	EBOOK
		2.	O. P. Gupta, Elements of Water Pollution Control Engineering, Khanna Publishing House	-
13	Irrigation and Drainage	1.	Asawa, G.L., Irrigation Engineering, New Age International Publishers	8
		2.	Majumdar, D.K., Irrigation Water Management, PHI Learning	-

SEMESTER-II

14	FEM in Structural Engineering	1.	Singiresu S. Rao, The Finite Element Method in Engineering, Elsevier India, Fifth Edition	24
		2.	Chandrupatla T. R. and Belegundu A.D., Introduction to Finite Elements in Engineering, PHI	50
15	Structural Dynamics	1.	Chopra A. K., Structural Dynamics and Introduction to Earthquake Engineering,	-
		2.	Manish S, Finite Element Methods and Computational Structural Dynamics, PHI	-
16	Advanced Steel Design	1.	Subramaniam N., Design of Steel Structures, Oxford University Press	-
		2.	Ramchandra, Design of Steel Structures - Vol. II, Standard Book House, Delhi	22
		3.	Arya A. S., Ajmani J. L., Design of Steel Structures, Nemchand and Bros.	5
17	Design of Formwork	1.	Kumar Neeraj Jha, Formwork for Concrete Structures, Tata McGraw Hill	EBOOK
18	Design of High Rise Structures	1.	Taranath B. S., Structural Analysis and Design of Tall Buildings, TMH	-
		2.	Manohar S. N., Tall Chimneys, Tata Mc Graw Hill Publishing Company	1
19	Design of Masonry Structures	1.	Narendra Taly, Design of Reinforced Masonry Structures, ICC, 2nd Edition	-
20	Design of Advanced Concrete	1.	Varghese P. C., Advanced Reinforced Concrete Design, PHI Learning	9
		2.	Krishna Raju N., Advanced Reinforced Concrete Design, CBS Publishers	19
21	Advanced Design of Foundations	1.	Varghese P. C., Design of Reinforced Concrete Foundations, PHI	9
22	Soil Structure Interaction	1.	Kurian N. P., Design of Foundation System- Principles & Practices, Narosa	-
		2.	Desai C.S., Numerical Methods in Geotechnical Engineering, McGraw Hill	-
23	Design of Industrial Structures	1.	Punmia, Design of Steel Structures, Laxmi Publications	28
		2.	Subramaniam N., Design of Steel Structures, Oxford University Press	14
24	Ground Water Engineering	1.	O. P. Gupta, Elements of Water Pollution Control Engineering, Khanna	-
		2.	H.M. Raghunath, Ground Water, Newage Publishers	3
25	Free Surface Flows	1.	Choudhary, M.H., Open-Channel Flows, Prentice-Hall	-
		2.	Ranga Raju, K.G., Flow Through Open Channels, Tata McGraw Hill	EBOOK
		3.	Saiful Islam, Open Channel Flow, Khanna Book Publishing	-
26	Computational Methods in Fluid Mechanics	1.	Chaudhary, H. M., Applied Hydraulic Transient, McGraw Hill India	EBOOK
		2.	SS Rattan, Fluid Mechanics and Hydraulic Machines, Khanna Publications	-
27	Theory and Applications of GIS	1.	Ghosh, S.K. and Chandra, A.M., Remote Sensing and GIS, Narosa Publishing House	-
28	Advanced Numerical Analysis	1.	R.S. Salaria, Computer Oriented Numerical Methods, Khanna Publishing House	-
		2.	S.S. Sastry, Introductory Methods of Numerical Analysis, PHI	29
SEMESTER-III				
29	Design of Prestressed Concrete	1.	S.B. Vanakudre, Prestressed Concrete, Khanna Books, Delhi	-
		2.	Krishnaraju N., Prestressed Concrete, Tata McGraw Hill, New Delhi	EBOOK
30	Analytical and Finite Element Analysis of	1.	Reddy J. N., Mechanics of Laminated Composites Plates and Shells, CRC Press	4

31	Fracture Mechanics of Concrete	1.	Suryja Kumar Maiti, Fracture Mechanics, Cambridge University Press	-
		2.	Prashant Kumar, Elements of Fracture Mechanics, Tata McGraw Hill	EBOOK
32	Design of Plates and Shells	1.	Ramaswamy G. S., Design and Construction of Concrete Shell Roofs, PHI	19
		2.	Varghese P. C., Design of Reinforced Concrete Shells & Folded Plate, PHI	-
33	Business Analytics	1.	U. Dinesh Kumar, Business Analytics, Wiley India	-
		2.	Krishnan, Bhambri & Chopra, Business Analytics, Khanna Publishing House	-
		3.	V.K. Jain, Data Science and Analytics, Khanna Publishing House	-
34	Industrial Safety	1.	S.C. Sharma, Industrial Safety, Khanna Book Publishing	-
		2.	H. P. Garg, Maintenance Engineering, S. Chand and Company	-
		3.	A.K.Gupta, Industrial Safety and Environment, Laxmi Publications	-
35	Operations Research	1.	J.C. Pant, Introduction to Optimisation: Operations Research, Jain Brothers, Delhi	-
		2.	Pannerselvam, Operations Research, Prentice Hall of India	14
		3.	Iyer, Operation Research, TMH	-
36	Cost Management of Engineering Projects	1.	Ashish K. Bhattacharya, Principles & Practices of Cost Accounting, A. H.	15
		2.	N.D. Vohra, Quantitative Techniques in Management, Tata McGraw Hill Book Co. Ltd.	19
		3.	Rangwala, Estimation, Costing and Valuation, Charotar Publishing House	23
37	Composite Materials	1.	K.K. Chawla, Composite Materials, Springer India	17
		2.	Balasubramaniam, Composite Materials, John Wiley & Sons, Indian Ed.	-
38	Waste to Energy	1.	O.P. Gupta, Energy Technology, Khanna Publishing House	-
		2.	Khandelwal, K. C. and Mahdi, Biogas Technology - A Practical Hand Book, TMH	-
		3.	Waste to Resources, TERI Press New Delhi	-
39	Computer Methods in Hydraulics and Hydrology	1.	Chaudhry M.H., Open-Channel Flow-2nd Edition, Springer Verlag	EBOOK
		2.	Saiful Islam, Open Channel Flow, Khanna Book Publishing	-
40	Stochastic Hydrology	1.	P.J.R. Reddy, Stochastic Hydrology, Laxmi Publications, Delhi	

MECHANICAL ENGINEERING

SEMESTER-I

S.N o.	COURSES	S.N o.	LIST OF SUGGESTED BOOKS/ PUBLICATIONS	Available Quantity
1	Advanced Stress Analysis	1.	Arbind Kumar Singh, Mechanics of Solids, Prentice-Hall of India	-
		2.	Srinath S L, Advanced Mechanics of Solids, Tata McGraw Hill Education, New Delhi	88
		3.	M. L. Munjal, Noise and Vibration Control, IISc Press, World Scientific	-
2	Advanced Vibrations and Acoustics	1.	S.S. Rao, Mechanical Vibrations, Pearson	28
		2.	Grover G K, Mechanical Vibrations, Nemchand Publishers, Roorki	82
		3.	Sujatha, Vibrations and Acoustics, TMH	11
3	Advanced Machine Design	1.	Sadhu Singh, Machine Design, Khanna Publishing House, New Delhi	1
		2.	Khurmi & Gupta, A Textbook of Machine Design, S.Chand Publications, New Delhi	75
		3.	Bhandari, Introduction to Machine Design, TMH	325
4	Design for Manufacturing and Assembly	1.	S.S. Rao, Engineering Optimization, Newage Publications	60
5	Mathematical	1.	J. B. Doshi, Differential Equations for Scientists and Engineers, Narosa, New	-

	Methods in Engineering	2.	Chandrika Prasad, Advanced Engineering Mathematics, Khanna Book Publishing Co. (P) Ltd.	-
		3.	S. P. Gupta, Statistical Methods, S. Chand & Sons	-
6	Advanced Engineering Materials	1.	Rangwala, Engineering Materials, Charotar Publishing House	10
		2.	Agarwal, Introduction to Engineering Materials, TMH	2
7	Mechanics of Composite Materials	1.	Bhagwan D. Agarwal, Analysis and Performance of Fiber, Wiley India	4
		2.	Madhujit Mukhopadhyay, Mechanics of Composite Materials and Structures, University Press	1
8	Analysis and Synthesis of Mechanisms	1.	R.V. Dukkupati, Spatical Mechanism, Narosa Publications	-
9	Thermodynamics and Combustion	1.	Nag, Engineering Thermodynamics, TMH	89
		2.	Rao Y.V.C., Postulational and Statistical Thermodynamics, Allied Publishers India	-
		3.	Anil Date, Analytical Combustion, Cambridge India	-
10	Advanced Fluid Dynamics	1.	S.S. Rattan, Fluid Mechanics, Khanna Book Publishing Co. (P) Ltd.	-
		2.	Pijush K. Kundu, Ira M Kohen and David R. Dawaling, Fluid Mechanics, Fifth Edition	-
11	Nuclear Engineering	1.	Vaidyanathan, Nuclear Reactor Engineering, S.Chand	-
		2.	R.K. Singhal, Nuclear eactors, Newage Publications, New Delhi	-
12	Energy Conservation and Management	1.	O.P. Gupta, Energy Technology, Khanna Book Publishing House	-
		2.	A. Chakrabarti, Energy Engineering and Management, PHI	-
		3.	O.P Jahkar, Energy Conservation in Buildings, Khanna Publications	-
13	Air Conditioning System Design	1.	Sadhu Singh, Refrigeration and Air Conditioning, Khanna Publishing House	-
		2.	Arora, Refrigeration and Air Conditioning, TMH	80
		3.	Manohar Prasad, Refrigeration & Air Conditioning, New Age Publishers	32
14	Gas Turbines	1.	V. Ganesan, Gas Turbines, Tata McGraw Hill	16
		2.	R. Yadav, Steam and Gas Turbines and Power Plant Engineering, Central Publishing House	29
15	Research Methodology and IPR	1.	Ranjit Kumar, Research Methodology: A Step by Step Guide for Beginners,	35
		2.	Panneerselvam R., Research Methodology, PHI	-
		3.	Srivatatava, Business Research Methodology, TMH	-
SEMESTER-II				
16	Finite Element Method	1.	Chandrupatla & Belegundu, Introduction to Finite Elements in Engineering, PHI	50
		2.	S.S. Bhavikati, Finite Element Analysis, Newage Publications	16
		3.	Krishnamurthy, Finite Element Analysis, TMH	33
17	Computer Aided Design	1.	Anil Kumar, Chemical Process Synthesis and Engineering Design, TMH	-
		2.	Rao, Computer Aided Manufacturing, TMH	22
		3.	O.P. Gupta, Chemical Process Technology, KBP, Delhi	-
18	Robotics	1.	S. Mukherjee, Robotics, Khanna Book Publishing Co., New Delhi	-
		2.	S.K. Saha, Introduction to Robotics, TMH	-
		3.	T.C. Manjunath, Fundamentals of Robotics, Nandu Printers and Publishers Private Limited, Mumbai	-
19	Fracture Mechanics	1.	Prashant Kumar, Elements of Fracture Mechanics, McGraw Hill Education	40
		2.	Surjya Kumar Maiti, Fracture Mechanics: and applications Fundamentals; Cambridge University Press	-
		3.	K Ramesh, Engineering fracture Mechanics, NPTEL	-
20	Multi-body Dynamics	1.	Nikraves, P.E., Computer Aided Analysis of Mechanical Systems, PHI	1

21	Optimization Techniques in Design	1.	J. S. Arora, Introduction to Optimum Design, McGraw Hill	1
22	Advanced Heat Transfer	1.	Gupta and Prakash, Engineering Heat Transfer, New Chand and Bros, Roorkee	10
		2.	R.C. Sachdeva, Fundamentals of Engineering Heat and Mass Transfer, Wiley Eastern Ltd., India	29
		3.	PK Nag, Heat and Mass Transfer, TMH	-
23	Steam Engineering	1.	P.K. Nag, Power Plant Engineering, TMH	61
		2.	Domkundwar, A Course in Power Plant Engineering, Dhanapat Rai	55
24	Refrigeration and Cryogenics	1.	P. Chatopadhyay, Boiler Operation Engineering: Questions and Answers, Tata	3
		2.	Sadhu Singh, Refrigeration and Air Conditioning, Khanna Publishing House	-
		3.	Arora, Refrigeration and Air Conditioning, TMH	80
25	Design of Heat Exchangers	1.	Ramesh K. Shah, Fundamentals of Heat Exchanger Design, Wiley India	7
26	Computational Fluid Dynamics	1.	Murlidhar and Sundarajan, Computational Fluid Flow & Heat Transfer, Narosa	-
		2.	Dr. Suhas Patankar, Numerical Methods in Fluid Flow & Heat Transfer, CRC Press	-
27	Modelling of IC Engines	1.	V. Ganesan, Gas Turbines, Tata McGraw Hill	16
		2.	R. Yadav, Steam and Gas Turbines And Power Plant Engineering, Central Publishing House	29
SEMESTER-III				
28	Advanced Finite Element Method	1.	Chandrupatla and Belegundu, Introduction to Finite Elements in Engineering,	50
		2.	S.S. Bhavikati, Finite Element Analysis, Newage Publications	16
		3.	Krishnamurthy, Finite Element Analysis, TMH	33
29	Advanced Metallurgy	1.	O.P. Khanna, Text book of Material Science and Metallurgy, Dhanpat Rai	15
		2.	O.P. Gupta, Objective Type Questions & Answers in Metallurgical Engineering, Khanna Book Publishing	-
30	Industrial Safety	1.	S.C. Sharma, Industrial Safety, Khanna Book Publishing	-
		2.	H. P. Garg, Maintenance Engineering, S. Chand and Company	-
		3.	A.K.Gupta, Industrial Safety and Environment, Laxmi Publications	-
31	Operations Research	1.	J.C. Pant, Introduction to Optimisation: Operations Research, Jain Brothers,	-
		2.	Pannerselvam, Operations Research, Prentice Hall of India	14
		3.	Iyer, Operation Research, TMH	-
32	Cost Management of Engineering Projects	1.	T.S. Grewal, Cost Accounting, S.Chand Publications	
		2.	Ashish K. Bhattacharya, Principles & Practices of Cost Accounting, A. H.	15
		3.	N.D. Vohra, Quantitative Techniques in Management, Tata McGraw Hill Book	19
33	Composite Materials	1.	K.K. Chawla, Composite Materials, Springer India	17
		2.	Balasubramaniam, Composite Materials, John Wiley & Sons, Indian Ed.	-
34	Waste to Energy	1.	A. Chandra, Non-Conventional Energy, Khanna Book Publishing Co. Delhi	-
		2.	O.P. Gupta, Energy Technology, Khanna Publishing House	-
		3.	Khandelwal, K. C. and Mahdi, Biogas Technology - A Practical Hand Book, TMH	-
35	Design of Solar and Wind System	1.	Khandelwal, K. C. and Mahdi, S. S., Biogas Technology - A Practical Hand Book-Vol. I & II, Tata	1
		2.	O.P. Gupta, Energy Technology, Khanna Publishing House	-
36	Advanced Mathematical Methods in Engineering	1.	J. B. Doshi, Differential Equations for Scientists and Engineers, Narosa, New	-
		2.	Chandrika Prasad, Advanced Engineering Mathematics, Khanna Book Publishing Co. (P) Ltd.	-
		3.	S. P. Gupta, Statistical Methods, S. Chand & Sons	-
37	Business Analytics	1.	U. Dinesh Kumar, Business Analytics, Wiley India	-

		2.	Krishnan, Bhambri & Chopra, Business Analytics, Khanna Publishing House	-
		3.	V.K. Jain, Data Science and Analytics, Khanna Publishing House	-

TELECOMMUNICATION & ELECTRICAL ENGINEERING

SEMESTER-I

S.N o.	COURSES	S.N o.	LIST OF SUGGESTED BOOKS/ PUBLICATIONS	Available Quantity
1	Advanced Digital Signal Processing	1.	Shaila D. Apte, Advanced Digital Signal Processing, Wiley India	6
		2.	Vijay Madiseti, The Digital Signal Processing Handbook, CRC Press	-
		3.	Salivahanan, Digital Signal Processing, TMH	30
2	Digital Image and Video Processing	1.	S.Shridhar, Digital Image Processing, Oxford University Press	-
		2.	M.C. Trivedi, Digital Image Processing, Khanna Book Publishing House	-
				-
3	DSP Architecture	1.	Venkatraman B. & Bhaskar M., Digital Signal Processors: Architecture,	15
		2.	V. Udayashankara, Modern Digital Signal Processing, PHI	-
		3.	Jayaraman, Digital Signal Processing, TMH	-
4	Computer Vision	1.	Dictionary of Computer Vision, Wiley	-
		2.	Rajiv Chopra, Deep Learning, Khanna Publishing House	-
		3.	A.Ravichandran, Computers Today	-
5	Remote Sensing	1.	Chandra, A.M., Remote Sensing and GIS, Ghosh, Narosa Publishing	-
		2.	Manugula & Bommakanti, Photogrammetry, GIS & Remote Sensing, Educreation Publishing	-
				-
6	Voice and Data Networks	1.	Kumar, D. Manjunath and J. Kuri, Communication Networking, Elsevier India	-
		2.	Bhavneet Sidhu, An Integrated approach to Computer Networks, Khanna Book	-
		3.	Sanjay Sharma, A course in Computer Networks, Katsons, New Delhi	-
7	Audio Video Coding & Compression	1.	Mohammed Ghanbari, Standard Codecs: Image Compression to Advanced Video, Institution of Engineering and Technology	-
		2.	Ranjan Bose, Information Theory, Coding and Cryptography, TMH	3
				-
8	Advanced Communication Networks	1.	Nader F. Mir, Computer and Communication Networks, Pearson	-
		2.	ITI Saha Misra, Wireless Communications and Networks, McGraw Hill	-
				-
9	Wireless and Mobile Communication	1.	V.K. Garg, Principles and Applications of GSM, Pearson	11
		2.	V.K. Garg, IS-95 CDMA and CDMA 2000, Pearson	20
				-
10	Wireless Sensor Networks	1.	C.S. Raghavendra, K. M. Sivalingam, T. Znati, Editors, Wireless Sensor	-
		2.	Misra, Wireless Communication and Netorks, McGraw Hill	-
				-
11	Optical Networks	1.	Rajiv Ramaswami, Sivarajan, Sasaki, Optical Networks, MK, Elsevier India	6
		2.	Siva Ram Murthy, WDM Optical Networks, Pearson	-
		3.	Chakrabarti, Optical Fiber Communications, TMH	-
12	RF and Microwave Circuit Design	1.	R.S. Rao, Microwave Engineering, PHI	-
		2.	Das, Microwave Engineering, TMH	3
				-
13	DSP Architecture	1.	Venkatramani B., Bhaskar M., Digital Signal Processors: Architecture, Programming and Applications, McGraw India	15
		2.	M. Sasikumar, D. Shikhare, Ravi Prakash, Introduction to Parallel Processing,	15
		3.	Salivahanan, Digital Signal Processing, TMH	30
14	Microcontrollers and Programmable Digital Signal	1.	Venkatramani B. and Bhaskar M. Digital Signal Processors: Architecture, Programming and Applications, Mcgraw Higher Ed	15
		2.	Nagoorkani, Microprocessors and Microcontrollers, TMH	-
				-
15	Digital Signal and Image Processing	1.	S. K. Mitra, Digital Signal Processing – A Computer based Approach, TMH	24
		2.	A. K. Jain, Fundamentals of Digital Image Processing, Prentice Hall	46
				-
16	Programming Languages for	1.	Shibu, Introduction to Embedded Systems, McGraw Hill	-
		2.	R.B. Patel, Expert Data Structures with C, Khanna Publishing House	-
				-

	Embedded	3.	R.S. Salaria, Data Structures using C++, Khanna Publishing House	-
17	VLSI Signal Processing	1.	Rishabh Anand, Digital System Design Using VHDL, Khanna Book Publishing,	-
		2.	Virendra Kumar, Parallel Algorithms and Computation, BPB	-
18	Parallel Processing	1.	V. Rajaraman, L. Sivaram Murthy, Parallel Computers, PHI	-
		2.	Virendra Kumar, Parallel Algorithms and Computation, Khanna Publishing House	-
19	System Design with Embedded Linux	1.	Karim Yaghmour, Building Embedded Linux Systems, Orielly Publishers	-
		2.	R. Bhardwaj, Mastering Linux Kernel Development, Packt India	-
20	CAD of Digital System	1.	N.A. Sherwani, Algorithms for VLSI Physical Design Automation, Springer India	1
		2.	P.P. Sahu, VLSI Design, TMH	-

SEMESTER-II

21	Pattern Recognition and Machine Learning	1.	Khandelwal, K. C., Mahdi, S. S., Biogas Technology - A Practical Hand Book-Vol. I & II, Tata	1
		2.	M. Narasimha Murty, V. Susheela Devi, Pattern Recognition, Springer	-
		3.	Rajiv Chopra, Machine Learning, Khanna Book Publishing, New Delhi	-
22	Advanced Compute Architecture	1.	Ikvinderpal Singh, Advanced Computer Organisation Architecture, Khanna	-
		2.	Rajiv Chopra, Advanced Computer Architecture, S.Chand Publications	-
23	IOT and Applications	1.	Jeeva Jose, Internet of Things, Khanna Book Publishing Co., New Delhi	-
		2.	Vijay Madiseti and Arshdeep Bahga, Internet of Things, VPT	-
		3.	Raj Kamal, Internet of Things, First edition, McGraw Hill India	-
24	Digital Design and Verification	1.	Samir Palnitkar, Verilog HDL: A guide to Digital Design and Synthesis, Prentice	14
25	Multispectral Signal Analysis	1.	Pramod K. Varshney, Manoj K. Arora, Advanced Image Processing Techniques	-
26	Audio Processing	1.	Shaila D. Apte, Speech and audio processing, 2nd Edition, Wiley India	-
		2.	Bali & bali, Audio Video Systems, Khanna Publishing House	-
27	Biomedical Signal Processing	1.	D C Reddy, Biomedical Signal Processing, McGraw Hill	-
		2.	R.M. Rangayyan, Biomedical Signal Analysis, Wiley India	17
28	Antennas and Radiating Systems	1.	I.J.Bhal and P.Bhartia, Micro-strip antennas, Artech House	-
		2.	T. K. Sarkar, Smart Antennas, Wiley	-
29	Advanced Digital Signal Processing	1.	Shaila D. Apte, Advanced Digital Signal Processing, Wiley, India	6
		2.	Salivahanan, Digital Signal Processing, TMH	30
30	Satellite Communication	1.	S. K. Raman, Fundamentals of Satellite Communication, Pearson	-
		2.	Pritchard, Satellite Communications, Pearson	9
31	Internet of Things	1.	Jeeva Jose, Internet of Things, Khanna Book Publishing Co., New Delhi	-
		2.	Raj Kamal, Internet of Things, First edition, McGraw Hill	-
		3.	A Bahaga, V. Madiseti, Internet of Things- Hands on approach, VPT	-
32	Voice and Data Networks	1.	Bhavneet Sidhu, An Integrated approach to Computer Networks, Khanna Book	-
		2.	Vijay Ahuja, Design and Analysis of Computer Communication Networks, McGraw Hill	-
33	MIMO System	1.	R.S. Kshetrimayum, Fundamentals of MIMO Wireless Communications, Cambridge University Press	-
34	Programmable Networks – SDN, NFV	1.	Vivek Tiwari, SDN and OpenFlow for Beginners, Kindle Edition	-
35	Analog and Digital CMOS VLSI	1.	P Rabaey, A P Chandrakasan, B Nikolic, Digital Integrated Circuits: A Design, PHI	2

	Design			
36	VLSI Design Verification and Testing	1.	Vijay Ahuja, Communications Network Design and Analysis of Computer Communication Networks, McGraw Hill	-
		2.	Bhavneet Sidhu, An Integrated approach to Computer Networks, Khanna Book Publishing	-
		3.	P.P. Sahu, VLSI Design, TMH	-
37	Memory Technologies	1.	Ashok K Sharma, Advanced Semiconductor Memories: Architectures, Designs and Applications, Wiley India	-
38	SoC Design	1.	P Mishra and N Dutt, Processor Description Languages, Morgan Kaufmann	-
39	Low Power VLSI Design	1.	Kaushik Roy, Sharat C.Prasad, Low Power CMOS VLSI Design, Wiley India	-
		2.	P. Rashinkar & Singh, Low Power Design Methodologies	-
		3.	P.P. Sahu, VLSI Design, TMH	-
40	Network Security and Cryptography	1.	V.K. Jain, Crptography and Network Security, Khanna Book Publishing	-
		2.	Atul Kahate, Crptography and Network Security, McGraw Hill	5
41	Physical Design Automation	1.	N.A. Sherwani, Algorithms for VLSI Physical Design Automation, Springer India	1
		2.	V.K. Jain, Cryptography and Network Security, Khanna Book Publishing	-
		3.	Atul Kahate, Cryptography and Network Security, McGraw Hill India	5
SEMESTER-III				
42	Artificial Intelligence	1.	M.C. Trivedi, Artificial Intelligence, Khanna Publishing House, Delhi	-
		2.	P.Joshi, P.Kulkarni, Artificial Intelligence: Building Intelligent Systems, PHI	-
		3.	R.B. Mishra, Artificial Intelligence, PHI	-
43	Optimization Techniques	1.	J. S. Arora, Introduction to Optimum Design, McGraw Hill India	1
44	Business Analytics	1.	U. Dinesh Kumar, Business Analytics, Wiley India	-
		2.	Krishnan, Bhambri & Chopra, Business Analytics, Khanna Publishing House	-
		3.	V.K. Jain, Data Science and Analytics, Khanna Publishing House	-
45	Industrial Safety	1.	L.M. Deshmukh, Industrial Safety Management, Tata McGraw Hill	-
		2.	S.C. Sharma, Industrial Safety, Khanna Book Publishing	-
		3.	H. P. Garg, Maintenance Engineering, S. Chand and Company	-
46	Operations Research	1.	J.C. Pant, Introduction to Optimisation: Operations Research, Jain Brothers,	-
		2.	Pannerselvam, Operations Research, Prentice Hall of India	14
		3.	Iyer, Operation Research, TMH	-
47	Cost Management of Engineering Projects	1.	Ashish K. Bhattacharya, Principles & Practices of Cost Accounting, A. H.	15
		2.	N.D. Vohra, Quantitative Techniques in Management, Tata McGraw Hill Book	19
		3.	Rangwala, Estimation, Costing and Valuation, Charotar Publishing House	23
48	Composite Materials	1.	K.K. Chawla, Composite Materials, Springer India	17
		2.	Balasubramaniam, Composite Materials, John Wiley & Sons, Indian Ed.	-
49	Waste to Energy	1.	O.P. Gupta, Energy Technology, Khanna Publishing House	-
		2.	Khandelwal, K. C. and Mahdi, Biogas Technology - A Practical Hand Book, TMH	-
		3.	Waste to Resources, TERI Press New Delhi	-
50	Pattern Recognition and Machine Learning	1.	Khandelwal, K. C. and Mahdi, S. S., Biogas Technology - A Practical Hand Book-	1
		2.	M. Narasimha Murty, V. Susheela Devi, Pattern Recognition, Springer India	-
		3.	Rajiv Chopra, Machine Learning, Khanna Book Publishing, New Delhi	-
51	Remote Sensing	1.	Basudeb Bhatta, Remote Sensing and GIS, Oxford Publications	10
		2.	BC Panda, Remote Sensing, Viva Books	-
52	Communication Network	1.	Vijay Ahuja, Communications Network Design and Analysis of Computer Communication Networks, TMH	-
		2.	Bhavneet Sidhu, An Integrated Approach to Computer Networks, Khanna	-
53	Nano Materials and Nanotechnology	1.	T. Pradeep, A Textbook of Nanoscience and Nanotechnology, TMH	6
		2.	Murthy, Shankar, Raj, Textbook of Nanosciene and Nanotechnology, University Press	-

54	Disaster Management	1.	S.C. Sharma, Disaster Management, Khanna Publishing	-
		2.	R. Nishith, Singh AK, Disaster Management in India, New Royal Co.	-
		3.	Mukesh Kapoor, Disaster Management, Saurabh Publishing House	0

ELECTRICAL ENGINEERING

SEMESTER-I

S.N o.	COURSES	S.N o.	LIST OF SUGGESTED BOOKS/ PUBLICATIONS	Available Quantity
1	Electric Drives System	1.	A.K. Babu, Electric & Hybrid Vehicles, Khanna Publishing House	-
		2.	R. Krishnan, Electric motor drives modeling, analysis and control, PHI	-
		3.	Subrahmanyam, Electric Drives, Concepts and Applications, TMH	33
2	Modeling and Analysis of Electrical	1.	R. Krishnan, Electric Motor & Drives: Modeling, Analysis and Control, PHI	-
		2.	P.S. Bimbhra, Electrical Machines, Khanna Book Publishing Co., Delhi	19
		3.	Vedam Subryamanhyam, Thyristor Control of Electric Drives, Tata McGraw Hill	-
3	Advanced Power Electronic Circuits	1.	Rashid, Power Electronics, Prentice Hall India	54
		2.	G.K. Dubey & C.R. Kasaravada Power Electronics & Drives, Tata McGraw Hill	-
		3.	PC Sen, Modern Power Electronics, S.Chand Publishing	-
4	Optimal and Adaptive Control	1.	A.P. Sage, Optimal and Adaptive Control, PHI	-
5	Power Quality	1.	Simmi P Burman and Bipin Singh, Power Quality, S.K.Kataria and Sons	-
		2.	S.Chattopadhyay, Madhuchanda Mitra, Electric Power Quality, Springer	-
6	Dynamics of Electrical Machines	1.	G.C. Garg, Electrical Machines-I, II Khanna Book Publishing Co., New Delhi	-
		2.	R Krishnan, Electric Motor Drives, Modeling, Analysis, and Control, Pearson Education	5
		3.	Mulukutla Sarma, Electric Machines: Steady-State Theory and Dynamic Performance CL Engg., Cengage Learning	-
7	Static VAR Controllers and Harmonic Filtering	1.	Ned Mohan, Power Electronics, John Wiley and Sons	27
		2.	JC Das, Power System Harmonics and Passive Filter Design, Wiley IEEE Press	-
8	PWM converter and Applications	1.	Mohan, Undeland and Robbins, Power Electronics: Converters, Applications and Design, Wiley	27
		2.	Satish Kumar Pedapalli, Pulse Width Modulation: Analysis and Performance in Multilevel Inverters, De Gruyter Oldenbourg	-
9	Power Semiconductor Devices & Modeling	1.	Y P Abbi and Shashank Jain, Handbook on Energy Audit and Environment Management, TERI	-
		2.	B.Jayant Baliga, Power Semiconductor Devices, Pws Pub Co	-
		3.	B.J. Baliga, Fundamentals of Power Semiconductor Devices, Springer	-
10	Research Methodology and IPR	1.	Ranjit Kumar, Research Methodology, Sage Publishing	35
		2.	R. Pannerselvam, Research Methodology, PHI	-
		3.	D.Chawla and N.Sondhi, Research Methodology-Concepts & Cases, Vikas Publishing House	-
11	Mathematical Methods in Control	1.	Papoulis & Pillai, Probability, Random Variable and Stochastic Processes, McGraw Hill	2
		2.	K.B.Dutta, Mathematical Methods of Science and Engineering: Aided with MATLAB, Cengage Learning India Pvt. Ltd.	-
12	Non-Linear Systems	1.	V.Lakshimnathan, Practical Stability of Non-Linear Systems, World Scientific	-
		2.	Khalil, Non-Linear Systems, Pearson	-
13	Robotics and Automation	1.	S. Mukherjee, Robotics, Khanna Book Publishing Co., New Delhi	-
		2.	Ghosh, Control in Robotics and Automation: Sensor Based Integration, Allied Publishers	-
		3.	K.Goyal and D.Bhandari, Industrial Automation and Robotics, S.K.Kataria and Sons	-
14	Digital Control	1.	Gopal, Digital Control and State Variable Methods, McGraw Higher Ed	6
		2.	A. Ambikapathy, Control Systems, Khanna Publishing House, Delhi	-
		3.	V.I. Goerge, Digital Control Systems, Cengage	-

15	Non-Linear CONTROL	1.	Khalil, Non-Linear Control, Pearson	-
		2.	B.N. Sarkar, Advanced Control Systems, PHI	-
		3.	Gopal, Control Systems, TMH	59
17	SCADA system and Applications	1.	Rajesh Mehra, PLCs and SCADA: Theory & Practice, Laxmi Publications	-
		2.	Bisht T k, Scada and Energy Management System, S. Kataria & Sons	-
18	Renewable Energy Systems	1.	Ranjan Rakesh, Kothari D.P, Singal K.C, Renewable Energy Sources and	30
		2.	A. Chandra, Non-Conventional Energy Resources, Khanna Book Publishing	-
		3.	D. Mukherjee, Fundamentals of Renewable Energy, New Age International Publishers	-
19	Engineering Optimization	1.	S.S. Rao, Engineering Optimization, New Age International (P) Ltd.	60
		2.	A.Ravindran, Engineering Optimization: Methods & Applications, Wiley	4
20	Power System Dynamics	1.	P.Kundur, Power System Stability and Control, McGraw Hill India	21
		2.	A.Chakraborti, Power System Dynamics and Simulation, PHI	-
21	High Voltage Engineering	1.	M. S. Naidu, V. Kamaraju, High Voltage Engineering, McGraw-Hill India	38
		2.	Wadhwa C L., High Voltage Engineering, Wiley Eastern Limited, NewDelhi	29
22	Switched Mode Power Control	1.	Ned Mohan, Undeland and Robbins, Power Electronics Converters, Applications	27
		2.	S.Manikantla, Switching Power Supply Design and Optimization, McGrawHill	-

Semester-II

23	Power Electronic Converters	1.	Ned Mohan, Undeland and Robbin, Power Electronics: converters, Application and design, Wiley	27
		2.	M.H.Rashid, Power Electronics, Prentice Hall of India	54
		3.	L.Umanand, Power Electronics: Essentials & Applications, Wiley India	1
24	Digital Control of Power Electronic and Drive Systems	1.	D.P.Kothari, R.S.Lodhi, Electric Drives, I.K. International Publishing	-
		2.	Dubey, Doradla, Joshi, Thyristorized Power Controllers, Newage International	-
25	Switched Mode and Resonant Converters	1.	Ned Mohan, Power Electronics, John Wiley and Sons	27
		2.	V.Jagganatham, Power Electronics: Devices and Circuits, PHI	-
26	Industrial Load Modeling and Control	1.	I.J.Nagarath and D.P.Kothari, Modern Power System Engineering, Tata McGraw Hill	-
		2.	S.R. Paranjothi, Modern Power Systems, Newage Publishers	-
27	Advanced Digital Signal Processing	1.	Sanjit K Mitra, Digital Signal Processing: A computer-based approach, Tata	24
		2.	Shailaja Apte, Advanced Digital Signal Processing, Wiley India	6
28	Advanced Microcontroller based Systems	1.	B.P. Singh, Advanced Microprocessors and Microcontrollers, NewAge	-
		2.	D.P.Kothari, S.K.Vasudevan, Analysis of Microcontrollers, Medtech	-
		3.	A.K. Gautam, Advanced Microprocessors, Khanna Book Publishing	-
29	Distributed Generation	1.	K. Sukhatme, Solar Energy: Principles of Thermal Collection and Storage, Tata McGraw Hill	-
		2.	Rakesh Ranjan, Kothari, D.P.Singal, Renewable Energy Sources and Emerging Technologies, PHI	-
30	Smart Grids	1.	A.G.Phadke, Synchronized Phasor Measurement and their Applications, Springer	-
		2.	A.B.M Shawakat Ali, Smart Grids: Opportunities, Developments, and Trends, Springer	-
31	Stochastic Filtering and Identification	1.	Papoulis & Pillai, Probability, Random Variable and Stochastic Processes, McGraw Hill	2
		2.	D.Roy, G.Vishveshwara Rao, Stochastic Dynamics, Filtering and Optimization, Cambridge University Press	-
32	Advance Control System	1.	M. Gopal, Modern Control System Theory, New Age International (P) Limited	-
		2.	B.N. Sarkar, Advance Control Systems, PHI	-

33	Advanced Robotics	1.	Mittel & Nagrath, Robotics and Control, TMH	-
		2.	S. Mukherjee, Robotics and Automation, Khanna Book Publishing	-
				-
34	Adaptive Learning and Control	1.	H. K. Khalil, Nonlinear Systems, Prentice Hall	-
		2.	S. Sastry and M. Bodson, Adaptive Control, Prentice-Hall	-
		3.	K. S. Narendra and A. M. Annaswamy, Stable Adaptive Systems, PHI	-
35	Advanced DSP	1.	Venkatramani B., Bhaskar M., Digital Signal Processors: Architecture, Programming and Applications, McGraw India	15
36	Digital Power System Protection	1.	A.G. Phadke and J. S. Thorp, Computer Relaying for Power Systems, Wiley India	5
		2.	S.R. Bhide, Digital Power System Protection, PHI	10
37	Non-Conventional Electrical Energy Systems	1.	B.H.Khan, Non-Conventional Energy Sources, Tata Mc Graw Hill	6
		2.	R.K.Rajput, Non-Conventional Energy Sources and Utilisation, S.Chand	-
		3.	A.Chandra, Non-Conventional Energy Resources, Khanna Book Publishing, New Delhi	-
38	Artificial Intelligence Techniques	1.	M.C. Trivedi, Artificial Intelligence, Khanna Publishing House, Delhi	-
		2.	P.Joshi, P.Kulkarni, Artificial Intelligence: Building Intelligent Systems, PHI	-
		3.	R.B. Mishra, Artificial Intelligence, PHI Learning Pvt. Ltd	-
39	Energy Conversion Processes	1.	O.P. Gupta, Energy Technology, Khanna Publishing House	-
		2.	Amlan Chakrabarti, Energy Engineering and Management, PHI	-
		3.	V.Kadambi, An Introduction to Energy Conversion: Turbomachinery, Newage Publishers	5
40	Electric and Hybrid Vehicles	1.	A.K. Babu, Electric and Hybrid Vehicles, Khanna Book Publishing, Delhi	-
		2.	Iqbal Husain, Electric and Hybrid Vehicles, CRC Press	4

Semester-III

41	SCADA Systems and Applications	1.	Vikrant Vij, PLC & SCADA, Laxmi Publications	-
		2.	Tanuj Kumar Bish, Scada and Energy Management System, SK Kataria & Sons	-
				-
42	FACTS and Custom Power Devices	1.	R Mohan Mathur, Thyristor Based Facts Control System, Wiley India	-
		2.	K.R Padiyar, Facts Control in Power Transmission and Distribution system, Anshan	-
43	HVDC	1.	K. R. Padiyar, HVDC Power Transmission Systems, Wiley India	62
		2.	S Kamakshaiah, V. Kamaraju, HVDC Transmission, Tata McGraw Hill	35
44	Business Analytics	1.	U. Dinesh Kuamr, Business Analytics, Wiley India	-
		2.	Krishnan, Bhambri & Chopra, Business Analytics, Khanna Publishing	-
		3.	V.K. Jain, Data Science and Analytics, Khanna Publishing House	-
45	Industrial Safety	1.	S.C. Sharma, Industrial Safety, Khanna Book Publishing	-
		2.	H. P. Garg, Maintenance Engineering, S. Chand and Company	-
		3.	A.K. Gupta, Industrial Safety and Environment, Laxmi Publications	-
46	Operations Research	1.	J.C. Pant, Introduction to Optimisation: Operations Research, Jain Brothers,	-
		2.	Pannerselvam, Operations Research, Prentice Hall of India	-
		3.	Iyer, Operation Research, TMH	-
47	Cost Management of Engineering Projects	1.	Ashish K. Bhattacharya, Principles & Practices of Cost Accounting, A. H. Wheeler Publisher	15
		2.	N.D. Vohra, Quantitative Techniques in Management, Tata McGraw Hill Book	17
		3.	Rangwala, Estimation, Costing and Valuation, Charotar Publishing House	23
48	Composite Materials	1.	K.K. Chawla, Composite Materials, Springer India	-
		2.	Balasubramaniam, Composite Materials, John Wiley & Sons, Indian edition	-
49	Waste to Energy	1.	O.P. Gupta, Energy Technology, Khanna Book Publishing Co., New Delhi	-
		2.	Khandelwal, K.C. Mahdi, S.S., Biogas Technology A Practical Hand Book-Vol. I & II, TMH	1
50	Stochastic Control	1.	P.R. Kumar, P. Varaiya, Stochastic Systems, PHI	-

		2.	G. Visweswara Rao, Stochastic Dynamics, Filtering and Optimization, Debasish Roy, Cambridge University Press	-
				-
51	Computational Methods	1.	R. B. Bapat, Graphs and Matrices, TRIM Series, Hindustan Book Agency	-
		2.	S.P. Venkateshan , Prasanna Swaminathan , Computational Methods in Engineering, Ane Books	1
		3.	R.S. Salaria, Computer Oriented Numerical Methods, Khanna Publishing House	-
52	Power System Analysis	1.	L.P. Singh, Advanced Power System Analysis and Dynamics, New Age International	6
		2.	A.Ambikapathy, Power System Analysis, Khanna Book Publishing Co., New Delhi	-
		3.	Kothari, Modern Power System Analysis, TMH	36
53	Power System Transients	1.	Indulkar C.S, Power System Transients: A Statistical Approach, PHI	-
		2.	Prabha Kundur, Power System Stability and Control, McGraw Hill	21
54	Reliability Analysis and Protection	1.	S.C. Sharma, Reliability Engineering, Khanna Publishing House	-
		2.	A.K. Gupta, Reliability, Maintenance and Safety Engineering, Laxmi Publications	-
		3.	Manna Alakesh, A Textbook of Reliability and Maintenance Engineering, I K International	-

ADDITIONAL BOOKS SUGGESTED FOR AUDIT COURSES

S.N o.	COURSES	S.N o.	LIST OF SUGGESTED BOOKS/ PUBLICATIONS	Available Quantity
1	Stress Management by Yoga	1.	Madhusudhan Penna, Yoga-The Heart of Living, Kavi Kulguru Kalidas Sanskrit University, Ramkete, Nagpur	-
2	Sanskrit for Technical Knowledge	1.	Mohan Khedkar, Kalyani Kale Sanskrit for Technical Knowledge, Kavi Kulguru Kalidas Sanskrit University, Ramkete, Nagpur	-
3	Personality Development through Life Enlightenment Skills	1.	Kalyani Kale, Masterstrokes for Life, Kavi Kulguru Kalidas Sanskrit University, Ramkete, Nagpur	-