

LEARNING AND INFORMATION RESOURCE CENTRE

ELEC. Sem V Books - Updated on July 2022

Subject	Title	Author	Publications	No. of Existing Books in the Library
Electrical AC Machines -II	Electric Machinery	P.S. Bimbhra	Khanna	30
	Generalized Machine Theory	P.S. Bimbhra	Khanna	24
	Principles of Electric Machines	V.K. Mehta	S. Chand	14
	Performance and Design of Alternating Current Machines	M.G. Say	CBS	1 (Reference Section)
	Electric Machines	Ashfaq Husain	Dhanpat Rai	1 (Reference Section)
	Electric Machinery	A.E. Fitzgerald, Kingsly, Stephen	Tata McGraw Hill	16
Electrical Power System II	Power System Analysis and Design - 4th edition	B.R. Gupta	S. Chand	30
	Power System Engineering - 3rd ed	D. P. Kothari, I. J. Nagrath	Mc GrawHill	1
	Modern Power System Analysis (not mentioned in the syllabus)	D. P. Kothari, I. J. Nagrath	Mc GrawHill	45
	Electrical power system - 4th ed	Wadhwa C.L.	New Age International	28

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	Principles of Power System	Mehta V.K	S. Chand	11
	Power System Analysis	Hadi Saadat	TMH	NIL
	Modern Power System Analysis	Turan Gonen	Wiley	NIL
	Modern Power System Analysis	Stevenson and Grainger	TMH	20
Control Systems	Control System Engineering	Norman Nise		48
	Control System Engineering 5th edition and above	Nagrath and Gopal	Wiley	48
	Modern Control System Engineering	K Ogata	Prentice Hall	24
	Modern Control Systems - 12th edition	Richard C Dorf, Robert H Bishop	Pearson	2
	Digital Control System	Gopal, M.	Wiley	7
	Linear Control system Analysis and design with MATLAB	J.J. Azzo, C. H. Houpis S.N. Sheldon, Marcel Dekkar		4
	Feedback control of Dynamic System	G.F. Franklin	Pearson	NIL
	Control System Engineering	Shivanagraju s. Devi L	New Age	NIL
	Control Systems Technology	Curtis Johnson, Heidar Malki	Pearson	NIL
	Control Systems Engineering	S. K. Bhattacharya	Pearson	NIL
Control Systems, Theory and applications	Smarajit Ghosh	Pearson	NIL	

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Electromagnetic Field and Wave	Engineering electromagnetic - 4th ed	W. Hayt	Mc Graw Hill	14
	Schaum's series in electromagnetic - 3rd ed	Edminister	Mc Graw Hill	16
	Elements of Engineering Electromagnetics - 3rd ed	M.N.O. Sadiku	Oxford	26
	Elements of Electromagnetic - 3rd ed	N. Narayan Rao	PHI	7
	Field and Wave Electromagnetics - Second Edition- Pearson Edition	David K.Chern	Pearson	NIL
Renewable Energy Sources (EEDLO5011)	Integration of Green and Renewable Energy in Electric Power Systems	Ali Keyhani, Mohammad N. Marwali, Min Dai	Wiley	5
	Solar Cells: Operating Principles, Technology and System Applications	Green M.A	Prentice Hall	NIL
	Fuel Cell Systems Explained	James Larminie, Andrew Dicles	Wiley	NIL
	Solar Photo Voltaics	Chetan Singh Solanki	PHI	2
	Modeling and control of Fuel Cells: Distributed Generation Applications	Hashem Nehrir and Caisheng Wang	IEEE Press	NIL

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	Wind Energy Explained, Theory Design and Applications	J.F. Manwell and J.G. McGowan	Wiley	2
	Fuel Cell System	Leo J.M.J. Blomen and Michael N. Mugerwa	Plenum	1
	Biomass Regenerable Energy	D. D. Hall and R. P. Grover	John Wiley	NIL
	Integration of Alternative Sources of Energy	Felix A. Farret and M. Godoy Simoes	John Wiley	NIL
	Power Electronics for Renewable and Distributed Energy System	S. Chakraborty, M. G. Simões and W. E. Krame	Springer	NIL
	Power Electronics and Control Techniques for Maximum Energy Harvesting in Photovoltaic Systems	N. Femia • G. Petrone, G. Spagnuolo and M. Vitelli	CRC	NIL
Advanced Power Electronics EEDO5012	Power Electronics: Converters, Applications and Design	N. Mohan and T. M. Undeland	John Wiley	7
	Design Of Magnetic Components for Switched Mode Power Converters	L. Umanand, Bhatt	John Wiley	NIL
	Power-Switching Converters	Simon Ang, Alejandro Oliva	Taylor and Francis	NIL

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	High Power Converters and AC drives	Bin Wu	IEEE Press	NIL
	Hand book of Power Electronics -3rd ed	M.H. Rashid	Butterworth-Heinemann	NIL
	Power Electronics: Essentials and Applications	L. Umanand	Wiley	2
	Fundamentals of Power Electronics	R.W. Erickson and D. Maksimovic	Springer	NIL
	Power Electronics	Joseph Vithayathil	TMH	NIL
	Elements of Power Electronics	P. T. Krein	Oxford	NIL
	Course Material on Switched Mode Power Conversion	V. Ramanarayanan		NIL
	Digital Control in Power Electronics	Simone Buso and Paolo Mattavelli	Morgan & Claypool	NIL
Advanced Measurements and Instrumentation (EEDO5013)	Introduction To Instrumentation And Measurements	Robert B. Northrop	CRC	NIL
	Instrumentation for Process Measurements and Control	Norman Andrson	Chilton	NIL
	Measurement Systems: Applications and Design - 5th ed	EO Doebelin	McGraw Hill	7
	Mechanical Engineering Measurements	A K Sawhney	Dhanpat Rai	6

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	Instrumentation & Mechanical Measurements	A K Tayal		1
	Control System Engineering	Nagrath IJ and Gopal M	Wiley	42
	Control systems	Dhanesh Manik	Cengage	3
	Engineering Metrology and Measurements	N V Raghavendra and L Krishnamurthy	Oxford	NIL
	Instrumentation and Control System	Bolton	Elsevier	1
	Smart Sensors and MEMS	Stoyan Nihtianov and Antonio Luque	Woodhead Publishing	NIL
	Fundamentals of Micro-fabrications and Nanotechnology- From MEMS to Bio-Mems and Bio-NEMS	Marc J. Madou	CRC	NIL
	Handbook of Silicon Based MEMS Materials and Technologies	Markku Tilli et al. William Andrew	Elsevier	NIL
Analog and Digital Communication (EEDO5014)	Electronic Communication Systems	G. Kennedy and B. Davis	Tata McGraw Hill	50
	Electronic Communication - 4th ed	Roddy and Coolen	Pearson	11
	Digital Communications	Simon Haykin	John Wiley	16
	Analog and Digital Communication	T.L.Singal	Tata McGraw Hill	3

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	Principles of Communication Systems - 4th	Taub and Schilling	McGraw Hill	51
	Electronic Communications Systems – Fundamentals Through advanced - 5th ed	Wayne Tomasi	Pearson	7
	Analog and Digital Communication: Schaum’s Outline Series - 3rd ed	Hwei Ksu and Debjani Mitra	McGraw Hill	5
	Digital Communication”, 5th edition	John. G. Proakis	Pearson	9 (PG Section)
	Principles of Communication Systems	Herbert Taub and Donald L Schilling	Tata McGraw Hill	51
	Digital Communications: Fundamentals and Applications 2nd ed	Bernard Sklar	Prentice	36
Professional Communication & Ethics-II (EEL504)	Humanities for the engineering curriculum: With selected chapters from Olsen/Huckin: Technical writing and professional communication	Arms, V. M.	second edition. Boston, MA: McGraw-Hill. (2005)	NIL
	Business communication today. Upper Saddle River	Bovée, C. L., &Thill, J. V. (2021).	Upper Saddle River NJ: Pearson	NIL

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	Verbal communication: Soft skills for a digital workplace	Butterfield, J. (2017).	Boston, MA: Cengage Learning.	NIL
	Personal development for life and work	Masters, L. A., Wallace, H. R., & Harwood, L. (2011).	Mason: South-Western Cengage Learning	16
	Introducing Personal development for life and work (not mentioned in syllabus)	Masters, L. A., Wallace, H. R., & Harwood, L. (2011).		13
	Organizational behaviour	Robbins, S. P., Judge, T. A., & Campbell, T. T. (2017).	Harlow, England: Pearson.	5 (older editions available)
	Technical Communication, Principles and Practice	Meenakshi Raman, Sangeeta Sharma (2004)	Oxford University Press	7
	Tests of Aptitude for Placement Readiness	Archana Ram (2018) Place Mentor,	Oxford University Press	NIL
	Communication Skills a workbook	Sanjay Kumar & PushpLata (2018).	New Delhi: Oxford University Press.	NIL
	Communication Skills (not mentioned in syllabus)	Sanjay Kumar & PushpLata (2011).		11
Mini Project – 2A (EEM501)	The Art of Electronics	P. Horowitz and W. Hill	Cambridge University Press, 3rd Edition	5

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Printed Circuit Board	R. S. Khandpur	McGraw-Hill Education; 1st edition, 2005	0
Hacking Electronic: Learning Arduino and Raspberry Pi	Simon Monk	McGraw-Hill Education TAB; 2 edition (September 28, 2017)	0
Designing Circuit Boards with EAGLE: Make High-Quality PCBs at Low Cost	Matthew Scarpino	1st Edition Prentice Hall	Nil
The Art of Electronics	P. Horowitz and W. Hill	Edition, Cambridge University Press	5
PCB Design for Real-World EMI Control	Archambeault and Drewniak James	Springer Publications	Nil
Complete PCB design using OrCAD Capture and PCB	Mitzner, Kraig	Elsevier	Nil
Kicad Like a Pro	Peter Dalmaris	Tech Exploration	Nil
Encyclopedia of Electronic Components – Vol-1: Power, electromagnetism, and discrete semiconductors	Charles Platt	Maker Media	Nil

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	Encyclopedia of Electronic Components – Vol-2: Integrated circuits, light sources, sound sources, heat sources, and high frequency sources	Charles Platt	Maker Media	Nil
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