B.TECH EE 3rd Sem

List of Books

S.No	Subject	Reference books
1	Electrical Circuit Analysis BTEE-301-18	M. E. Van Valkenburg, "Network Analysis", Prentice Hall, 2006. D. Roy Choudhury, "Networks and Systems", New Age International Publications, 1998. W. H. Hayt and J. E. Kemmerly, "Engineering Circuit Analysis", McGraw Hill Education, 2013. C. K. Alexander and M. N. O. Sadiku, "Electric Circuits", McGraw Hill Education, 2004. K. V. V. Murthy and M. S. Kamath, "Basic Circuit Analysis", Jaico Publishers, 1999.
2	BTEE- 302-18 Analog Electronics	A. S. Sedra & K. C. Smith, "Microelectronic Circuits", New York, Oxford University Press, 1998. J. V. Wait, L. P. Huelsman and G. A. Korn, "Introduction to Operational Amplifier theory and applications", McGraw Hill U. S., 1992. J. Millman and A. Grabel, "Microelectronics", McGraw Hill Education, 1988. P. Horowitz and W. Hill, "The Art of Electronics", Cambridge University Press, 1989. P. R. Gray, R. G. Meyer and S. Lewis, "Analysis and Design of Analog Integrated Circuits", John Wiley & Sons, 2001.
3	BTEE-303-18 Electrical Machines-I	A. E. Fitzgerald and C. Kingsley, "Electric Machinery", New York, McGraw Hill Education, 2013. A. E. Clayton and N. N. Hancock, "Performance and design of DC machines", CBS Publishers, 2004. M. G. Say, "Performance and design of AC machines", CBS Publishers, 2002. P. S. Bimbhra, "Electrical Machinery", Khanna Publishers, 2011. I. J. Nagrath and D. P. Kothari, "Electric Machines", McGraw Hill Education, 2010.
4	BTEE-304-18 Electromagnetic Fields	M. N. O. Sadiku, "Elements of Electromagnetics", Oxford University Publication, 2014. A. Pramanik, "Electromagnetism - Theory and applications",

		PHI Learning Pvt. Ltd, NewDelhi, 2009.
		A. Pramanik, "Electromagnetism-Problems with solution", Prentice Hall India, 2012.G. W. Carter, "The electromagnetic field in its engineering aspects", Longmans, 1954. W. J. Duffin, "Electricity and Magnetism", McGraw Hill Publication, 1980. W. J. Duffin, "Advanced Electricity and Magnetism", McGraw Hill, 1968.
5	Engineering Mechanics	J. L. Meriam and L. G. Kraige, "Engineering Mechanics: Dynamics", Wiley, 2011. M. F. Beatty, "Principles of Engineering Mechanics", Springer Science & Business Media,1986.

B.TECH EE 5TH Sem

List of Books

S.No	Subject	Reference books
1	ASYNCHRONOUS MACHINES	**1**.A.E. Fitzgerald, C. Kingsley and S.D. Umans, 'Electric Machinery', 6th Edn., McGraw Hill, 1998. **2**.E.H. Langsdorff, 'Principles of A.C. Machines', McGraw Hill, 2010.I.J. Nagrath and D.P. Kothari, 'Electrical Machines', 4th Edn., Tata McGraw Hill, 2011. **3**.P.S. Bimbhra, 'Electrical Machinery', Khanna Publishers, 1999. **4.**M.G. Say,' Alternating Current Machines', 5th Edn., Sir Isaac Pitman and Sons Ltd., 2004.
2	POWER ELECTRONICS AND DRIVES	**1**.G.K. Dubey, S.R. Doradla, A. Joshi, R.N.K. Sinha, 'Thyristorised Power Controllers',New Age International (P) Limited, Publishers, 2004. **2**.M. Rashid, 'Power Electronics', Prentice Hall of India Private Ltd., 2006. **3**.P.S. Bimbhra, 'Power Electronics', Khanna Publishers, 2004. **4**.Bimal Bose, 'Power Electronics and Motor Drives', Academic Press, 2006.P.C. Sen, 'Power Electronics', Tata McGraw Hill Company Ltd., New Delhi, 1992. **5**.C. Rai Harish, 'Power Electronics and Industrial Applications'
3	GENERATION AND ECONOMICS OF ELECTRIC POWER	**1**.M.V. Deshpande, 'Power Plant Engineering', Tata McGraw Hill, 2004. **2**.M.M. EI-Wakit, 'Power Plant Engineering', McGraw Hill, USA, 2010. **3**.D.P. Kothari and I.J. Nagrath, 'Power System Engineering', Tata McGraw Hill, 2008. **4**.P.K. Nag, 'Power Plant Engineering', Tata McGraw Hill, 2014. **5**.B.R. Gupta, 'Generation of Electrical Energy', S. Chand, 2017.

4	SOFT SKILLS-III	**1**.K. Alex, S. Chand Publishers. **2**. R.C. Sharma and Krishna Mohan, 'Business Correspondence and Report Writing', TMH, New Delhi, 2016. **3**. N. Krishnaswami and T. Sriraman, 'Creative English for Communication', Macmillan. **4**.Penrose, John M., et al., 'Business Communication for Managers', Thomson South Western, New Delhi, 2007. **5**.Holtz, Shel, 'Corporate Conversations', PHI, New Delhi, 2007.
5	POWER PLANT ENGINEERING	**1.** Chakrabarti, Soni, Gupta and Bhatanagar, 'A Textbook on Power System Engineering', Dhanpat Rai & Co., 2013. **2**. M.M. EI-Wakil, 'Power Plant Technology', 2nd Reprint, Tata McGraw Hill Edn., 2010. **3**. R.K. Rajput, 'Power Plant Engineering', 4th Edn., Luxmi Publications, 2010. **4**. P.C. Sharma, 'Power Plant Engineering', Kataria and Sons, 2009. 5. P.K. Nag, 'Power Plant Engineering', 4th Edn., McGraw Hill Education (India) Pvt. Ltd., 2014.

B.TECH EE 7th Sem		
List of Books		
S.No	**Subject**	**Reference books**
1	NON-LINEAR AND DIGITAL CONTROL SYSTEMS	1. K. Ogata, 'Modern Control Engineering', Prentice Hall, India, 1995. 2. I.J. Nagrath, M. Gopal, 'Control System Engineering', New Age Publications, 2008. 3. M. Gopal, 'Digital Control and State Variable Methods', Tata McGraw Hill, 2012. 4. B.C. Kuo and F. Golnaraghi, 'Automatic Control System', Wiley Publications, 2014. 5. R.V. Dorf and R.H. Bishop, 'Modern Control Systems', Adison Wesley, 1995.
2	POWER SYSTEM-II (SWITCHGEAR AND PROTECTION)	1. C.L. Wadhwa, 'Electrical Power System', New Age International (P) Ltd. 2. D.N. Badri Ram, D.N. Vishakarma, 'Power System Protection and Switchgear'. 3. Ravindranath and M. Chander, 'Power System Protection and Switchgear'. 4. Dahiya and Attri, 'Substation Engineering', Khanna Publishers 5. B.R. Gupta, 'Power System Analysis and Design', S. Chand & Company (P) Ltd.
3	INDUSTRIAL AUTOMATION	1. Bela G. liptak, 'Process Control and Optimization', 4th Edn., Taylor & Francis, 2003. 2. S.K. Singh, 'Industrial Instrumentation', 2nd Edn., Tata McGraw Hill, 2003. 3. C.D. Johnson, 'Process Control Instrumentation Technology', 8th Edn., Prentice Hall India, 2006.
4	SYSTEM ENGINEERING AND RELIABILITY	1. M.L. Shooman, 'Probabilistic Reliability: An Engineering Approach', McGraw Hill. 2. E. Balaguruswamy, 'Reliability Engineering', McGraw Hill International DIGITAL 3. L.S. Srinath, 'Reliability Engineering', East-West Press Private Ltd. 4. R. Rama Kumar, 'Engineering Reliability', Prentice Hall, NJ. 5. R. Billinton, 'Power System Reliability Calculation', MIT Press, USA
5	DIGITAL SIGNAL PROCESSING	1. S.K. Mitra, 'Digital Signal Processing: A Computer based Approach', McGraw Hill, 2011. 2. A.V. Oppenheim and R.W. Schafer, 'Discrete Time Signal Processing', Prentice Hall,1989. 3. J.G. Proakis and D.G. Manolakis, 'Digital Signal Processing: Principles', Algorithms and Applications', Prentice Hall, 1997. 4. L.R. Rabiner and B. Gold, 'Theory and Application of Digital Signal Processing',Prentice Hall, 1992. 5. J.R. Johnson, 'Introduction to Digital Signal Processing', Prentice Hall, 1992.
	EHVAC-TRANSMISSION	1. R.D. Begamudre, 'EHVAC Transmission Engineering', New Academic Science, 4thEdn., 2011. 2. S. Rao, 'EHVAC and HVDC Transmission and Distribution Engineering', 3rd Edn.,Khanna Publishers, 2008.