

# B.TECH ECE 3rd Sem

## List of Books

S.No	Subject	Reference books
1	BTEC-301-18 Electronic Devices	G. Streetman, and S. K. Banerjee, Solid State Electronic Devices, Pearson. D. Neamen, D. Biswas, Semiconductor Physics and Devices, McGraw-Hill Education S. M. Sze and K. N. Kwok, Physics of Semiconductor Devices, John Wiley & Sons C. T. Sah, Fundamentals of solid state electronics, World Scientific Publishing Co. Inc.
2	BTEC-302-18 Digital System Design	R.P. Jain, Modern digital Electronics, Tata McGraw Hill Douglas Perry, VHDL, Tata McGraw Hill W.H. Gothmann, Digital Electronics-An introduction to theory and practice, PHI D.V. Hall, Digital Circuits and Systems, Tata McGraw Hill Charles Roth, Digital System Design using VHDL, Tata McGraw Hill
3	BTEC-303-18 Electromagnetic Waves	RK Shevgaonkar, Electromagnetic Waves, Tata McGraw Hill India EC Jordan & KG Balmain, Electromagnetic waves & Radiating Systems, PHI N Rao, Engineering Electromagnetics, Prentice Hall D Cheng, Electromagnetics, Prentice Hall W H Hayt & J A Buck, Engineering Electromagnetics, McGraw Hill
4	BTEC-304-18 Network Theory	Van, Valkenburg, Network Analysis, PHI F F Kuo, Network Analysis & Synthesis, Wiley A. Sudhakar, SP Shyamman, Circuits and Network, Tata McGraw-Hill A William Hayt, Engineering Circuit Analysis, McGraw-Hill Education
5	BTAM-303-18 Mathematics III	E. Kreyszig, "Advanced Engineering Mathematics", John Wiley & Sons, 2006. R K jain and Iyengar, "Advanced Engineering Mathematics", 5th Edition, Narosa Publishing, 2017. P. G. Hoel, S. C. Port and C. J. Stone, "Introduction to Probability Theory", Universal Book Stall, 2003. S. Ross, "A First Course in Probability", Pearson Education India, 2002. W. Feller, "An Introduction to Probability Theory and its Applications", Vol. 1, Wiley, 1968.

# B.TECH ECE 5TH Sem

## List of Books

S.No	Subject	Reference books
1	LINEAR INTEGRATED CIRCUITS	<ol style="list-style-type: none"><li>1. Ramakant A. Gayakward, 'Op–Amps &amp; Linear Integrated Circuits', Pearson Education.</li><li>2. William D. Stanley, 'Operational Amplifiers with Linear Integrated Circuits', Merrill Publishing Company.</li><li>3. Millman &amp; Grabal, 'Micro Electronics', Tata McGraw Hill.</li></ol>
2	MICROPROCESSOR AND INTERFACING	<ol style="list-style-type: none"><li>1. R.S. Gaonkar, 'Microprocessor Architecture Programming and Applications with the 8085' Penram International Pub.</li><li>2. D.V. Hall, 'Microprocessor and Interfacing Programming and Hardware', McGraw Hill Co.</li><li>3. Barry B. Brey, 'The Intel Microprocessors, Architecture Programming and Interfacing, PHI Publications.</li><li>4. B. Ram, Dhanpat Ra, 'Fundamentals of Microprocessor and Microcontrollers'.</li></ol>
3	DIGITAL COMMUNICATION SYSTEMS	<ol style="list-style-type: none"><li>1. Simon Haykin, 'Communication Systems', Wiley Publication.</li><li>2. Bernard Sklar, 'Digital Communication-Fundamentals and Applications', Pearson Education India.</li><li>3. Miller Gary M., 'Modern Electronic Communication', Prentice Hall.</li><li>4. John Proakis, 'Digital Communications', Tata McGraw Hill.</li><li>5. Wayne Toms, 'Electronic Communication Systems, Fundamentals Through Advanced', Pearson Education.</li></ol>
4	SOFT SKILLS-III	<ol style="list-style-type: none"><li>1. K. Alex, S. Chand Publishers.</li><li>2. R.C. Sharma and Krishna Mohan, 'Business Correspondence and Report Writing', TMH, New Delhi, 2016.</li><li>3. N. Krishnaswami and T. Sriraman, 'Creative English for Communication', Macmillan.</li><li>4. Penrose, John M., et al., 'Business Communication for Managers', Thomson South Western, New Delhi, 2007.</li><li>5. Holtz, Shel, 'Corporate Conversations', PHI, New Delhi, 2007.</li></ol>
5	DATA COMMUNICATION NETWORKS	<ol style="list-style-type: none"><li>1. J. Frauzon, 'Computer Communication and Networks', Tata McGraw Hill.</li><li>2. W. Stallings, 'Data and Computer Communication', PHI.</li><li>3. S. Keshav, 'An Engineering Approach on Computer Networking', Addison Welsey.</li><li>4. Wayne Tomasi, 'Introduction to Data Communications and Networking', Pearson.</li><li>5. A.S. Tanenbaum, 'Computer Networks', PHI.</li></ol>

**B.TECH ECE 7th Sem****List of Books**

<b>S.No</b>	<b>Subject</b>	<b>Reference books</b>
1	WIRELESS COMMUNICATION SYSTEMS	<ol style="list-style-type: none"><li>1. Theodore S. Rappaport, 'Wireless Communications', Pearson.</li><li>2. W.C.Y. Lee, 'Mobile Cellular Telecommunication', McGraw Hill.</li><li>3. Jochen Schiller, 'Mobile Communications', Pearson.</li></ol>
2	DIGITAL SIGNAL PROCESSING	<ol style="list-style-type: none"><li>1. J.G. Proakis and D.G. Manolakis, 'Digital Signal Processing: Principles, Algorithms and Applications', Pearson Prentice Hall.</li><li>2. S.K. Mitra, 'Digital Signal Processing: A Computer Based Approach', TMH.</li><li>3. A.V. Oppenheim, R.W. Schaffer and J.R. Buck, 'Discrete-time Signal Processing', Prentice Hall.</li><li>4. B. Widrow and S.D. Stearns, 'Adaptive Signal Processing', Prentice Hall.</li></ol> DIGITAL SIGNAL PROCESSING LAB
3	COGNITIVE RADIO	<ol style="list-style-type: none"><li>1. Bruce A. Fette, 'Cognitive Radio Technology', Elsevier Publication.</li><li>2. Ekram Hossain, Dusit Niyato, Zhu Han, 'Dynamic Spectrum Access and Management in Cognitive Radio Networks', Cambridge University Press.</li><li>3. Kwang-Cheng Chen, Ramjee Prasad, 'Cognitive Radio Networks', John Wiley &amp; Sons Ltd.</li><li>4. Huseyin Arslan, 'Cognitive Radio, Software Defined Radio and Adaptive Wireless Systems', Springer.</li><li>5. Linda Doyle, 'Essentials of Cognitive Radio', Cambridge University Press.</li></ol>
4	RELATIONAL DATABASE MANAGEMENT SYSTEMS	<ol style="list-style-type: none"><li>1. Ramez Elmasri, Shamkant Navathe, 'Fundamentals of Database Systems', Pearson Education.</li><li>2. C.J. Date 'An Introduction to Database Systems', Pearson Education.</li><li>3. Alexis Leon, Mathews Leon, 'Database Management Systems', Leon Press.</li><li>4. S. K. Singh, 'Database Systems Concepts, Design and Applications', Pearson Education.</li><li>5. Raghu Ramakrishnan, Johannes Gehrke, 'Database Management Systems', Tata McGraw Hill.</li></ol>
5	COMPUTER ARCHITECTURE AND ORGANIZATION	<ol style="list-style-type: none"><li>1. David A. Patterson and John L. Hennessy, 'Computer Organization and Design', Morgan, Kauffman, Elsevier Publisher.</li><li>2. John P. Hayes, 'Computer Architecture and Organization', TMH.</li><li>3. William Stallings, 'Operating Systems Internals and Design Principles', Prentice Hall Upper Saddle River, New Jersey.</li></ol>