



**UNIVERSITY COLLEGE OF ENGINEERING  
(KAKATIYA UNIVERSITY)**

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No: 445/Lib/UCE/KU/2023

Date: 11-10-2023

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**Encl:** List of Text books



**B. Tech. (CE&IT) 3<sup>rd</sup> year 1<sup>st</sup> Sem**

**DATABASE MANAGEMENT SYSTEMS**

1. Database Management Systems, Raghurama Krishnan, Johannes Gehrke, Tata McGraw Hill 3rd Edition
2. Database System Concepts, Silberschatz, Korth, Mc Graw hill, V edition
3. Database Systems design, Implementation, and Management, Peter Rob & Carlos Coronel, 7thEdition
4. SQL The Complete Reference, James R. Groff, Paul N. Weinberg, 3rd Edition,
5. Database Systems Using Oracle: A Simplified guide to SQL and PL/SQL, Shah, PHI

**THEORY OF COMPUTATION**

1. John E. Hopcroft, Rajeev Motwani and Jeffrey D. Ullman, Introduction to Automata Theory, Languages, and Computation, Pearson Education Asia, 3rd Edition, ISBN: 978-1292039053, 2013
2. Mishra K.L.P., Chandrasekaran N, "Theory Of Computer Science: Automata, Languages and Computation", PHI Learning Pvt. Ltd., 3rd Edition, ISBN: 978-81-203-2968-3, 2012
3. Harry R. Lewis and Christos H. Papadimitriou, Elements of the Theory of Computation, Pearson Education Asia, 2nd edition, ISBN: 978-0132624787, 1998.
4. Michael Sipser, Introduction to the Theory of Computation, PThomson South-Western, 3rd Edition, ISBN: 1133187811, 2012.
5. John Martin, Introduction to Languages and The Theory of Computation, Tata McGraw- Hill Education Pvt. Ltd., 4th Edition, ISBN: 9780073191461, 2010
6. Dexter C. Kozen, Automata and Computability, Undergraduate Texts in Computer Science, Springer, 1stEdition, ISBN: 9781461273097, 2012.

**WEB PROGRAMMING**

1. Steven Holzner, "HTML Black Book", DreamTech press
2. Web Technologies, Black Book, DreamTech Press
3. Web Applications: Concepts and Real World Design, Knuckles, Wiley-India
4. Internet and World Wide Web How to program, P.J. Deitel & H.M. Deitel Pearson.

**ADVANCED JAVA**

1. Herbert Schildt, Java Complete Reference Tenth Edition, McGraw Hill.
2. JDBC, Servlets and JSP black book, Dreamtech Publishers
3. Uttam K. Roy, Advanced Java programming, Oxford University Press.
4. Bert Bates, Kathy Sierra and, Bryan Basham, "Head First Servlets & JSP", O'Reilly
5. Sharanam Shah, Vaishali Shah, Java EE 7 for Beginners
6. Cay S. Horstmann, Gray Coronell, Core Java Vol. II – Advanced Features
7. Joel Murach, Michael Urban, Java Servlets and JSP, 3rd Edition, 2014
8. Cay S. Horstmann, Core Java Volume I – Fundamentals, Pearson, 2019
9. Joel Murach, Java Programming, 5th Edition, 2017

## **DOTNET TECHNOLOGIES**

1. VB.NET Complete Reference – Jeffrey R. Shapiro – Tata McGrawHill – 2006 20
2. Mastering Visual Basic. NET – Evangelos Petroutsos – BPB Publications - 2005 20
3. ADO.NET Complete Reference – Michael Otey , Denielle Otey, Tata McGrawHill, 2005 10
4. Mastering Visual Basic. NET Database Programming– Evangelos Petroutsos , Ali Bilgin– BPB Publications – 2002 10
5. Pro C# with .NET 3.0 – Andrew Troelsen – Special Edition 20

## **ADVANCED DATA STRUCTURES**

1. Mark Allen Weiss, Data Structures and Algorithm Analysis in C++, 2nd Edition, Pearson, 2004.
2. M T Goodrich, Roberto Tamassia, Algorithm Design, John Wiley, 2002. Vikas Gupta
3. Mark Allen Weiss, “Data Structures and Algorithm Analysis in Java”, Third Edition, Published by Addison-Wesley, 2012, ISBN: 0-132-57627-9 / 9780132576277.
4. Mark Allen Weiss, “Data Structures and Problem Solving Using Java”, Fourth Edition, Published by Addison-Wesley, 2010, ISBN: 0-321-54140-5.
5. Goodrich, Tamassia, Goldwasser, “Data Structures and Algorithms in Java”, Sixth Edition, Wiley, 2014, ISBN-13 : 978-8126551903.
6. Michael T. Goodrich, Roberto Tamassia, “Algorithm Design and Application”, Fourth Edition, Wiley, 2014, ISBN: 978-1-118-33591-8.

## **B. Tech. (CE&IT) 3<sup>rd</sup> year 2<sup>nd</sup> Sem**

### **COMPILER DESIGN**

1. A.V. Aho, M.S. Lam, R. Sethi and J.D. Ullman, “Compilers: Principles, Techniques and Tools”, 2nd edition, Pearson Education, 2007.
2. Allen I. Holub, “Compiler Design in C”, 1st edition, Prentice Hall of India, 2003.
3. C. N. Fischer and R. J. LeBlanc, “Crafting a compiler with C”, 1st edition, Benjamin Cummings, 2003.
4. J.P. Bennet, “Introduction to Compiler Techniques”, 2nd edition, Tata McGraw-Hill, 2003.
5. Henk Alblas and Albert Nymeyer, “Practice and Principles of Compiler Building with C”, 3rd edition, Pearson/Prentice Hall India, 2001.
6. Kenneth C. Louden, “Compiler Construction: Principles and Practice”, 1st edition, Thompson Learning, 2003.
7. K. Muneeswaran "Compiler Design" 1st edition. Oxford University press, 2012.

### **COMPUTER NETWORKS**

1. Computer Networks -- Andrew S Tanenbaum, 4th Edition, Pearson Education.
2. Data Communications and Networking – Behrouz A. Forouzan, Fourth Edition TMH, 2006.
3. An Engineering Approach to Computer Networks-S.Keshav, 2nd Edition, Pearson Education
4. Understanding communications and Networks, 3rd Edition, W.A. Shay, Cengage Learning.
5. Computer and Communication Networks ,Nader F. Mir, Pearson Education
6. Computer Networking: A Top-Down Approach Featuring the Internet, James F. Kurose, K.W. Ross, 3rd Edition, Pearson Education.

## **SOFTWARE ENGINEERING**

1. Roger S. Pressman, "Software Engineering, A Practitioner's Approach", 6th Edition, McGraw-Hill International Edition.
2. Ian Sommerville, "Software Engineering", 7th Edition, Pearson Education
3. Grady Booch, James Rumbaugh, Ivar Jacobson, "The Unified Modeling Language User Guide", Pearson Education
4. James F. Peters, Witold Pedrycz, "Software Engineering: An Engineering Approach", John Wiley.
5. Waman S Jawadkar, "Software Engineering Principles and Practice", The McGraw-Hill Companies.

## **ARTIFICIAL INTELLIGENCE**

1. Elaine Rich, Kevin Knight and Shivashankar B Nair "Artificial Intelligence", Third Edition, McGraw-Hill, ISBN No: 978-0-07-008770-5, 2015.
2. Deepak Khemani, "A First Course in Artificial Intelligence", First Edition, McGraw Hill Education, ISBN No: 978-1259029981, 2013.
3. Patterson, "Introduction to Artificial Intelligence" First Edition, 2000, Pearson Education India, ISBN No: 978-8120307773, 2015

## **DISTRIBUTED DATABASES**

1. M. Tamer Özsu and Patrick Valduriez: Principles of Distributed Database Systems, Pearson Edn. Asia, 2001.
2. Stefano Ceri and Giuseppe Pelagatti: Distributed Databases, McGraw Hill
3. Hector Garcia-Molina, Jeffrey D. Ullman, Jennifer Widom: "Database Systems: The Complete Book", Second Edition, Pearson International Edition

## **MOBILE APPLICATION DEVELOPMENT**

1. Professional Android 4 Application Development, Reto Meier, Wiley India, (Wrox), 2012
2. Android Application Development for Java Programmers, James C Sheusi, Cengage Learning, 2013
3. Beginning Android 4 Application Development, Wei-Meng Lee, Wiley India (Wrox), 2013

## **ADVANCED DATABASE MANAGEMENT SYSTEMS**

1. Raghu Ramakrishnan and Johannes Gehrke, "Database Management Systems", Third Edition, McGraw Hill Education, ISBN No: 978-9339213114, 2014.
2. Ramez Elmasri and Shamkant B. Navathe, "Fundamentals of Database Systems", Seventh Edition, Pearson Education, ISBN No: 978-9332582705, 2017.
3. Stefano Ceri, Giuseppe Pelagatti, "Distributed Databases: Principles and Systems", McGraw Hill Education, ISBN No: 978-0070265110, 2017.
4. M. Tamer Özsu, "Principles of Distributed Database Systems", Pearson Education, ISBN No: 978-8177581775.

## **ADVANCED OPERATING SYSTEMS**

1. Advanced Concepts in Operating Systems, Mukesh Singhal, Niranjana G. Shivaratri, Tata McGraw Hill Edition 2001

2. Distributed Systems: Andrew S. Tanenbaum, Maarten Van Steen, Pearson Prentice Hall, 2nd Edition, 2007
3. Sinha, Distributed Operating Systems Concepts and Design, IEEE Computer Society Press, 1997

#### **COMPUTER GRAPHICS**

1. Steven Harington , “Computer Graphics”, TMH.
2. Foley, Van Dam, Feiner, Hughes, “Computer Graphics: Principles and Practice in C”, 2nd Edition, Pearson Education
3. Donald Hearn and M.Pauline Baker, “Computer Graphics C Version”, Pearson Education
4. David F Rogers, “Procedural Elements For Computer Graphics”, 2nd Edition Tata Mc Graw Hill
5. Neuman and Sproul, “Principles of Interactive Computer Graphics”, The Mc Graw Hill
6. Shalini Govil, “Principles of Computer Graphics”, 2005, Springer.

### **B. Tech. (CSE, IT) 4<sup>th</sup> year 1<sup>st</sup> Sem**

#### **PYTHON PROGRAMMING**

1. Learning Python, Fifth Edition by Mark Lutz, Published by O\_Reilly Media, ISBN: 978-1-449-35573-9.
2. Yashavant Kanetkar, Let Us Python (1 ed.), BPB Publishers, 2019. ISBN 978-9388511568.
3. Chun, J Wesley, Core Python Programming, 2nd Edition, Pearson, 2007 Reprint 2010.
4. C. Dierbach, Introduction to Computer Science Using PYTHON: A Computational Problem-Solving Focus (1 ed.), Wiley, 2015. ISBN 978-8126556014. b)
5. Martin C. Brown, Python: The Complete Reference (1 ed.), McGraw-Hill, 2001. ISBN 978-0072127188.
6. Programming Python, 4<sup>TH</sup> Edition by Mark Lutz, O'Reilly

#### **SOFTWARE TESTING**

1. Software Testing techniques – Boris Beizer, Dreamtech, second edition.
2. The craft of software testing - Brian Marick, Pearson Education.
3. Software Testing, 3<sup>rd</sup> edition, P.C.Jorgensen, Aurbach Publications(Dist.by SPD).3.Software Testing,N.Chauhan,Oxford University Press.
4. Introduction to Software Testing, P.Ammann&J.Offutt, Cambridge Univ. Press. 5.Effective methods of Software Testing, Perry, John Wiley, 2<sup>nd</sup> Edition, 1999.
5. 6.Software Testing Concepts and Tools, P.Nageswara Rao, dreamtech Press. 7.Software Testing, M.G.Limaye, TMH.
6. Software Testing, S.Desikan, G.Ramesh, Pearson.
7. Foundations of Software Testing, D.Graham & Others, Cengage Learning. 10.Software Testing Tools – Dr.K.V.K.K.Prasad, Dreamtech.

#### **OBJECT ORIENTED ANALYSIS AND DESIGN**

1. Grady Booch, James Rumbaugh, Ivar Jacobson: The Unified Modeling Language User Guide, Pearson Education 2nd Edition.
2. Object-Oriented Analysis and Design with the Unified Process By John W. Satzinger, Robert B Jackson and Stephen D Burd, Cengage Learning.

3. Meilir Page-Jones: Fundamentals of Object Oriented Design in UML, Pearson Education.
4. Pascal Roques: Modeling Software Systems Using UML2, WILEY-Dreamtech India Pvt. Ltd.
5. Atul Kahate: Object Oriented Analysis & Design, The McGraw-Hill Companies.
6. Mark Priestley: Practical Object-Oriented Design with UML, TMH.
7. Applying UML and Patterns: An introduction to Object – Oriented Analysis and Design and Unified Process, Craig Larman, Pearson Education.
8. Object Oriented Analysis, Design and Implementation, B. Dathan, S. Ramnath, Universities Press.

### **MACHINE LEARNING**

1. Machine Learning. Tom Mitchell. First Edition, McGraw- Hill, 1997.
2. Machine Learning: An Algorithmic Perspective, Stephen Marshland, Taylor & Francis

### **SOFT COMPUTING**

1. Soft Computing – Advances and Applications - Jan 2015 by B.K. Tripathy and J. Anuradha – Cengage Learning
2. James A. Freeman and David M. Skapura, –Neural Networks Algorithms, Applications, and Programming Techniques, Pearson Edn., 2003.
3. S. N. Sivanandam, S. Sumathi and S. N. Deepa, –Introduction to Fuzzy Logic using MATLAB, Springer, 2007
4. S.N.Sivanandam · S.N.Deepa, –Introduction to Genetic Algorithms, Springer, 2007.
5. David E. Goldberg, –Genetic Algorithms-In Search, optimization and Machine learning, Pearson Education.
6. J. S. R. Jang, C.T. Sun and E.Mizutani, –Neuro-Fuzzy and Soft Computing, Pearson Education, 2004.
7. G.J. Klir & B. Yuan, –Fuzzy Sets & Fuzzy Logic, PHI, 1995.
8. Melanie Mitchell, –An Introduction to Genetic Algorithms, PHI, 1998.
9. Timothy J. Ross, –Fuzzy Logic with Engineering Applications, McGraw- Hill International editions, 1995

### **CRYPTOGRAPHY AND NETWORK SECURITY (PE4106CS)**

1. Cryptography and Network Security by William Stallings 5th Edition, Pearson Education.
2. Information Security, Principles and Practice by Mark Stamp, Wiley India.
3. Applied Cryptography by Bruce Schneier, 2007.
4. Cryptography and Data Security, Denning D, Addison Wesley, 1982.
5. Cryptography and Network Security : Forouzan, Mukhopadhyay, MC Graw Hill, 2<sup>nd</sup> Edition.

### **CLOUD COMPUTING**

1. Cloud Computing (Principles and Paradigms) :Rajkumar Buyya, James Broberg, Andrzej Goscinski, John Wiley & Sons, Inc
2. Mastering Cloud Computing: Rajkumar Buyya, Christian Vecchiola and S. Thamarai Selvi, McGrawHill Education 978-1259029950
3. Cloud computing for dummies- Judith Hurwitz , Robin Bloor , Marcia Kaufman ,Fern Halper, Wiley Publishing, Inc, 2010
4. Cloud computing a practical approach - Anthony T.Velte , Toby J. Velte Robert Elsenpeter,

TATAMcGraw- Hill , New Delhi – 2010

5. Cloud Computing: Web-Based Applications That Change the Way You Work and Collaborate

### **B. Tech. (CSE, IT) 4<sup>th</sup> year 2<sup>nd</sup> sem**

#### **DATA SCIENCE**

1. Cathy O'Neil and Rachel Schutt. Doing Data Science, Straight Talk from The Frontline. O'Reilly.
2. Jure Leskovek, Anand Rajaraman and Jeffrey Ullman. Mining of Massive Datasets. v2.1, Cambridge University Press.

#### **BIG DATA ANALYTICS**

1. Big Data and Analytics, Seema Acharya, Subhasinin Chellappan, Wiley publications.
2. Big Data, Black BookTM , DreamTech Press, 2015 Edition.
3. Business Analytics 5e , BY Albright |Winston
4. Rajiv Sabherwal, Irma Becerra- Fernandez, Business Intelligence –Practice, Technologies and Management, John Wiley 2011.
5. Lariss T. Moss, Shaku Atre, –Business Intelligence Roadmap, Addison-Wesley It Service.
6. Yuli Vasiliev, –Oracle Business Intelligence: The Condensed Guide to Analysis and Reporting, SPD Shroff, 2012.

#### **IMAGE PROCESSING**

1. Rafeal C Gonzalez and Richard E.Woods, –Digital Image Processing, 4th edition, Pearson Education/ PHI, 2018.
2. Milan Sonka, Vaclav Hlavac and Roger Boyle, –Image Processing, Analysis and Machine Vision, 4th edition, Cengage, 2015.
3. Alasdair McAndrew, –Introduction to Digital Image Processing with Matlab, Thomson Course Technology, 2004 Course Technology Press, Boston, MA, United States, 2004.
4. William K. Prat, —Digital Image Processing, 4th edition, Wiley-Interscience, A John Wiley & Sons, Inc., Publication, 2007.

#### **PATTERN RECOGNITION**

1. Pattern Classification by Richard O. Duda, Peter E. Hart, David G. Stork, Wiley, 2001.
2. Pattern Recognition : Sergios Theodoridis and Konstantinos Koutroumbas, Elsevier
3. Pattern Recognition and Machine Learning : Christopher Bishop, Springer
4. Pattern Recognition: An algorithmic approach: Murty, M.Narsimha, Devi, V. Susheela, Sringer Pub, 1<sup>st</sup>Ed.

#### **NON CONVENTIONAL ENERGY SOURCES**

1. Rai G.D, Non-Conventional Sources of Energy, Khandala Publishers, New Delhi, 1999.
2. M.M. El-Wakil, Power Plant Technology. McGraw Hill, 1984.

### **BASICS OF IoT**

1. -Internet of Things|| - Converging Technologies for smart environments and Integrated Ecosystems, River Publishers.
2. Adrian McEwen, Hakim Cassimally, -Designing the Internet of Things||, Wiley India Publishers
3. Daneil W lewies, -Fundamentals of embedded software: where C meets assembly||, Pearson.
4. Arshdeep Bahga, -Internet of things -A hands on Approach|| Universities press.

### **BASICS OF ALLOY STEEL STRUCTURES**

1. Introduction to Physical Metallurgy – SH Avner, TATA Mc GRAW HILL ,1997
2. Alloys Steels – Wilson
3. 1.Materials Science and Engineering, An introduction. WD Callister, Jr., Adapted by R. Balasubramaniam, John Wiley & Sons, NY, Indian edition, 2007

### **VLSI DESIGN**

1. Essentials of VLSI circuits and systems – Kamran Eshraghian, Eshraghian Douglas and A. Pucknell, PHI, 2005 Edition
2. CMOS VLSI Design – A Circuits and Systems Perspective, Neil H. E Weste, David Harris, AyanBanerjee, 3<sup>rd</sup> Ed, Pearson, 2009.
3. VLSI Design – M. Michael Vai, 2001, CRC Press
4. Introduction to VLSI Systems: A Logic, Circuit and System Perspective – Ming-BO Lin, CRC Press, 2011
5. CMOS logic circuit Design - John .P. Uyemura, Springer, 2007.
6. Modern VLSI Design - Wayne Wolf, Pearson Education, 3rd Edition, 1997.
7. VLSI Design- K .Lal Kishore, V. S. V. Prabhakar, I.K International, 2009.
8. Introduction to VLSI – Mead & Convey, BS Publications, 2010.





**B. Tech. (EEE) 3<sup>rd</sup> year 1<sup>st</sup> Sem**

**Linear Control Systems**

1. I.J.Nagrath & M.Gopal, Control System Engineering, 4th ed., New Delhi: New Age International Pvt. Ltd.,2012
2. B.C.Kuo - Automatic Control Systems, Wiley India edition, 7th Edition, 2002.
3. K.Ogata - Modern Control System, Prentice Hall of India, 4th edition, 2002.
4. N.C.Jagan - Control Systems, B.S Publications, 2nd edition, 2008.
5. S.Palani, Control Systems Engineering, 2nd ed., New Delhi: Tata McGraw Hill Education (India) Pvt.Ltd.
6. A.Anand Kumar, control systems, 2nd ed., New Delhi: Prentice Hall of India, 2014
7. A.Nagoorkani, Control Systems, 2nd ed., New Delhi: RBA Publications’.

**Electrical Machines - III**

1. Bhimbra P.S., Electrical Machinery., 7th Ed. New Delhi: Khanna Publishers-2014
2. Kothari D.P. & Nagrath I.J. - Electrical Machines - Tata McGraw Hill, 2004.
3. Bhimbra P.S. - Generalized Theory of Electrical Machines, Khanna Publications, 2000.
4. Say MG. - The Performance and Design of AC. Machines - Pitman Publication, 2002.
5. Irving L. Kosow - Electric Machinery and Transformers, PPH, Pearson Education, 2nd Edition. 2009.

**LINEAR IC APPLICATIONS**

1. Gayakwad W.A. Op-Amps and Linear Integrated Circuits, 4th Edition, Prentice Hall of India, 2002.
2. Malvino Albert Paul, Electronic Principles, 6th Edition, Tata McGraw Hill, 1999.
3. Roy Choudhury, Shail Jam - Linear integrated Circuits, New Age International, 2nd Edition, 2003.
4. William D. Stanley, OP Amps with Linear Integrated Circuits, Pearson, 2000

**UTILIZATION OF ELECTRICAL ENERGY**

1. Partab H, Art and Science of Utilization of Electric Power, Dhanpat Rai & Sons, 1997.
2. K.B. Raina and S.K. Bhattacharya, Electrical Design, Estimating and Costing, Wiley Eastern Ltd., 1991.
3. Partab H, Modern Electric Traction, Dhanpat Rai & Sons, 2000.

**HIGH VOLTAGE ENGINEERING**

1. M. S. Naidu and V. Kamaraju, “High Voltage Engineering”, McGraw Hill Education,2013.
2. C. L. Wadhwa, “High Voltage Engineering”, New Age International Publishers,2007.
3. D. V. Razevig (Translated by Dr. M. P. Chourasia), “High Voltage Engineering Fundamentals”, Khanna Publishers,1993.
4. E. Kuffel, W. S. Zaengl and J. Kuffel, “High Voltage Engineering Fundamentals”, Newnes Publication,2000.
5. R. Arora and W. Mosch “High Voltage and Electrical Insulation Engineering”, John Wiley & Sons,2011.
6. Various IS standards for HV Laboratory Techniques andTesting

## **ELECTRIC MACHINE DESIGN**

1. A. K. Sawhney, "A Course in Electrical Machine Design", Dhanpat Rai and Sons, 1970.
  2. M.G. Say, "Theory & Performance & Design of A.C. Machines", ELBS London.
- REFERENCES:
1. S. K. Sen, "Principles of Electrical Machine Design with computer programmes", Oxford and IBH Publishing, 2006.
  3. K. L. Narang, "A Text Book of Electrical Engineering Drawings", Satya Prakashan, 1969.
  4. A. Shanmugasundaram, G. Gangadharan and R. Palani, "Electrical Machine Design Data Book", New Age International, 1979.
  5. M. V. Murthy, "Computer Aided Design of Electrical Machines", B.S. Publications, 2008.
  6. Electrical machines and equipment design exercise examples using Ansoft's Maxwell 2D machine design package.

## **MEASUREMENTS AND INSTRUMENTATION**

1. A. K. Sawhney, "Electrical & Electronic Measurement & Instruments", Dhanpat Rai & Co. Publications, 2005
2. G. K. Banerjee, "Electrical and Electronic Measurements", PHI Learning Pvt. Ltd., 2nd Edition, 2016
3. S. C. Bhargava, "Electrical Measuring Instruments and Measurements", BS Publications, 2012.
3. R. K. Rajput, "Electrical & Electronic Measurement & Instrumentation", S. Chand and Company Ltd., 2007.
4. Buckingham and Price, "Electrical Measurements", Prentice – Hall, 1988.
5. Reissland, M. U, "Electrical Measurements: Fundamentals, Concepts, Applications", New Age International (P) Limited Publishers, 1st Edition 2010.
6. E.W. Golding and F. C. Widdis, "Electrical Measurements and measuring Instruments", fifth Edition, Wheeler Publishing, 2011.
7. U.A. Bakshi, A.V. Bakshi, "Electrical Measurements and Instrumentation, Pune: Technical Publications, 2009.

### **B. Tech. (EEE) 3<sup>rd</sup> year 2<sup>nd</sup> Sem**

## **POWER SEMICONDUCTOR DRIVES**

1. "G K Dubey", Fundamentals of Electric Drives, CRC Press, 2002.
2. "Vedam Subramanyam", Thyristor Control of Electric drives, Tata McGraw Hill Publications, 1987.
2. "SK Pillai", A First course on Electrical Drives, New Age International (P) Ltd. 2nd Edition. 1989
3. "P. C. Sen", Thyristor DC Drives, Wiley-Blackwell, 1981
4. "B. K. Bose", Modern Power Electronics, and AC Drives, Pearson 2015.
5. "R. Krishnan", Electric motor drives - modeling, Analysis and control, Prentice Hall PTR, 2001

## **SWITCHGEAR AND PROTECTION**

1. Badrinarayana and D.N. Vishwakarma, Power System Protection and Switchgear, TMH 2001.
2. U.A. Bakshi, M.V. Bakshi: Switchgear and Protection, Technical Publications, 2009.
3. C. Russel Mason – "The art and science of protective relaying, Wiley Eastern, 1995
4. L.P. Singh "Protective relaying from Electromechanical to Microprocessors", New Age International

## **POWER SYSTEM OPERATION AND CONTROL**

1. C.L. Wadhwa, Electrical Power Systems, 3rd Edn, New Age International Publishing Co., 2001.
2. D. P. Kothari and I. J. Nagrath, Modern Power System Analysis, 4th Edn, Tata McGraw Hill Education Private Limited 2011.
3. D. P. Kothari: Modern Power System Analysis-Tata McGraw Hill Pub. Co. 2003.

4. Hadi Sadat: Power System Analysis –Tata Mc Graw Hill Pub. Co.2002.
5. Power System Analysis and Design by J.Duncan Glover and M.S.Sarma., THOMPSON, 3rd Edition
6. Electric Energy systems Theory – by O.I.Elgerd, Tata Mc Graw-hill Publishing Company Ltd., Second edition.
7. Power System Analysis by Grainger and Stevenson, Tata McGraw Hill
8. Power System Operation and Control – by G. Sreenivasan; S.Sivanagaraju Published by Pearson Education India,2009

### **ELECTRICAL DISTRIBUTION SYSTEM**

1. Turan Gonen, Electric Power Distribution Engineering, Mc Graw Hill Book Co., International Student Edition. 1986.
2. A.S. Pabla, Electric Power Distribution, Tata McGraw Hill Publishing Company Ltd., 1997.

### **ELECTRICAL ENERGY CONSERVATION AND AUDITING**

1. S. C. Tripathy, Utilization of Electrical Energy and Conservation, McGraw Hill, 1991.

### **HYBRID ELECTRIC VEHICLES**

1. James Larminie, John Lowry, Electric Vehicle Technology Explained, Wiley, USA, 2012.
2. Chris Mi, M. Abdul Masrur&David Wenzhong Gao, Hybrid Electric Vehicles: Principles and Applications with Practical Perspective, , Wiley, 2011
3. Iqbal Hussain, Electric & Hybrid Vehicles – Design Fundamentals, 2nd Edition, CRC Press, 2011.
4. Simora Onori, Hybrid Electric Vehicles Energy Management Strategies, Springer.

### **SIGNALS AND SYSTEMS**

1. Alan V. Oppenheim, Alan. S. Willsky, S Hamid Nawab, Signals and Systems, 2ndedition, Prentice Hall of India,2007.
2. Lathi B.P., Signals Systems Communications”, 1st edition, B.S. Publications,2006.
3. Simon Haykin and Van veen, “Signal and system”, Wiley, secondedition.

### **MICROPROCESSOR SYSTEMS**

1. Douglas V.Hall, “Microprocessors and Interfacing Programming and Hardware”, 2nd Edition, Tata McGraw- Hill publishing company Limited, New Delhi, 1994.
2. Ray A.K &Bhurchandi K.M, “Advanced Microprocessor and Peripherals”, 2/e TMH, 2012.
3. Walter A.Triebel and Avatar singh, “The 8088 and 8086 Microprocessors Programming, Interfacing,Software, Hardware and Applications”, Prentice-Hall of India Private Limited, New Delhi, 1996.
4. Muhammad Ali Mazidi, Janice GillispieMazidi and RolinD.McKinlay, “The 8051 Microcontroller and Embedded Systems using Assembly and C”, 2nd Edition, Pearson education, 2009.
5. Manish K. Patel, “The 8051 Microcontroller Based Embedded Systems”, McGraw Hill, 2014.

### **B. Tech. (EEE) 4<sup>th</sup> year 1<sup>st</sup> Sem**

### **POWER SYSTEMS ANALYSIS**

1. John J.Grainger and Stevenson.W.D, “Power System Analysis”, Tata McGraw Hill, 2003.
2. Wadhwa.C.L, “Electrical Power Systems”, New Age International Private Limited, 2009.

3. Stagg.C.W and Elabadi.A.H, “Computer Methods in Power System Analysis”, Tata McGraw Hill International Book Company, 1990.
4. Hadi Saadat, “Power System Analysis”, Tata McGraw Hill, 2002 .
5. Duncan Glover, Mulukutla.J, Sarma.S and Thomas J. Overbye, “Power System Analysis and Design”, Cengage Learning, 4th Edition, 2009.
6. Nagrath I.J and Kothari D.P, “Modern Power System Analysis”, Tata McGraw Hill, 4th Reprint, 2011.
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