

LEARNING AND INFORMATION RESOURCE CENTRE

EXTC Sem VII Books - Updated on 6th August 2021

| Subject | Title | Author | Publications | No. of Existing Books in the Library |
|------------------------------|---|----------------------------|---|--------------------------------------|
| Microwave Engineering | Microwave Devices and Circuits | Samuel Liao | Prentice Hall | 45 (3rd .ed.) |
| | Microwave Engineering | David Pozar | Wiley Publication, Fourth Edition | 5(2nd.ed.) ;37(3rd.ed);20(4th.ed.) |
| | Radio Frequency and Microwave Electronics | Matthew M. Radmanesh | Pearson Education | 9 |
| | Microwave Engineering | Annapurna Das and S. K Das | McGraw Hill Education, Third Edition. | 8(2000);3(2001);1(2015.3rd.ed) |
| | Foundations of Microwave Engineering | Colin | Second Edition, Wiley Interscience, 2nd Edition | 42(2nd .ed) |
| | Radio Frequency and Microwave Communication Circuits- Analysis and Design | Devendra Misra | John Wiley & Sons, 2nd Edition | 10(2004) |
| Mobile Communicati on System | wireless communications - principles and practice | Theodore S. Rappaport | PEARSON , Second edition | 39(2nd.ed.) |
| | wireless communications | T L Singal | Mc Graw Hill Education | UG:32(2010);PG:9(2010) |
| | wireless communications | Andreas F. Molisch | WILEY INDIA PVT LTD, Second edition | 5(2nd.ed.) |

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|-----------------------|---|---|---|---|
| | Wireless and Mobile Communications | Upena Dalal | Oxford university Press | 2 |
| | Wireless Communications and Networking | Vijay K.Garg | Morgan–Kaufmann series in Networking-Elsevier | UG:41; PG:6 |
| Optical Communication | Optical Fiber Communication | Gerd Keiser | 4th Ed., MGH, 2008 | UG:1(1983);3(3rd .ed);8(4th .ed);16(5th .ed) PG:3(4th. ed);6(5th. ed.) |
| | Optical Fiber Communications– | John M. Senior | Pearson Education. 3rd Impression, 2007 | UG:14(2nd .ed);10(3rd .ed);PG:10(3rd.ed.) |
| | Fiber optics communications | Harold Kolimbiris | | UG:1;PG:5 |
| | Introduction to optical fibers | Cheri | McGraw Hill | Nil |
| | An introduction to fiber optics | A. Ghatak and K.Thyagrajan | Cambridge Univ, press 10 | Nil |
| | Optical fiber communication and sensors | | M. Arumugam Agencies, 20002 optic sensors. | Nil |
| | Fiber optic communication | Joseph C Palais | 4th Edition, Pearson Education. | 1(5th ed.) |
| | Neural networks & Fuzzy Logic ECCDLO 7031 | Introduction to Soft computing(Not Available) | S. N. Sivanandam and S. N. Deepa | Wiley India Publications |

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|---|---|-------------------------------|---|
| Principles of Soft Computing | S. N. Sivanandam and S. N. Deepa | | UG:3(2007);12(2nd.ed) PG:10(2nd.ed.) |
| Fuzzy Logic with Engineering Applications | Thimothy J. Ross | Wiley India Publications | 18 |
| Fuzzy Logic-Intelligence, Control and Information | John Yen and Reza Langari | Pearson Publications | Nil |
| Neural Networks, Fuzzy Logic, and Genetic Algorithms, | S. Rajasekaran and G. A. Vijayalakshmi Pai, | PHI | 25 |
| Neural Networks: A classroom Approach | Satish Kumar | Tata McGraw-Hill. | 10 |
| Elements of artificial neural networks | Meherotra Kishan, Mohan C. K., Ranka Sanjay | Penram Publications | 6 |
| Neural Network Design | Hagan, Demuth, and Beale | Thomson Learning | 6 |
| Neural Network- A Comprehensive Foundation | Simon Haykin | Pearson Education | 6 |
| Neural Networks For Pattern Recognition | Christopher M Bishop | Oxford University Press | 1 |
| Machine Learning Methods in the Environmental Sciences Neural Network and Kernels | William W Hsieh | Cambridge Publications | 15 |
| Introduction to Neural Network Using Matlab | S. N. Sivanandam, S. Sumathi, | Tata McGraw-Hill Publications | 5 |

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|---|--|--|--------------------------------------|---|
| | | and S. N. Deepa | | |
| | Neural networks and Fuzzy Systems | Bart Kosko | Pearson Education | 3 |
| | Neuro-Fuzzy and Soft Computing | J. S. R. Jang, C.T. Sun, and E. Mizutani | PHI | UG:20;PG:8 |
| | Introduction to Artificial Neural Systems | J. M. Zurada | Jaico publishers | 14 |
| Big Data Analytics ECCDLO 7032 | Big Data Analytics | Radha Shankarmani and M Vijayalakshmi | Wiley | 61 |
| | Hadoop in Practice | Alex Holmes | Manning Press, Dreamtech Press | 20 |
| | Making Sense of NoSQL A guide for managers and the rest of us | Dan McCreary and Ann Kelly | Manning Press | 17 |
| | Taming The Big Data Tidal Wave: Finding Opportunities In Huge Data Streams With Advanced Analytics | Bill Franks | Wiley | 17 |
| | Hadoop in Action | Chuck Lam | Dreamtech Press | 17 |
| Internet Communicati on Engineering ECCDLO 7033 | TCP/IP Protocol Suite | B. Forouzan | 4th Edition, McGraw-Hill Publication | UG:8(2nd .ed.);10(3rd.ed.);10(4th.ed.);P G:3(4th.ed.) |

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|------------------------------------|--|--|---|--------------------------|
| | Multimedia Communication Systems: TECHNIQUES, STANDARDS AND NETWORKS | K. R. Rao, Zaron S. Bojkovic, Dragorad A. Milocanovic | Prentice Hall India, 2002. ISBN: 81-203-2145-6. | 2(2004) |
| | Multimedia and Communication Technology | Steve Heath | Second Edition, Focal Press, 2003 | Nil |
| | Switching to VoIPl, | Ted Wallingford | ISBN: 81-8147-145-8 Oreilly Publication | 5 |
| | Multimedia Communications | Fred Halsall | Pearson education, 2001 | 3 |
| | Multimedia Communication Systems | K. R. Rao, Zoran S. Bojkovic, Dragorad A. Milovanovic, | Pearson education, 2004 | 2 |
| | Multimedia: Computing, Communications and Applications” | Ralf steinmetz, Klara Nahrstedt | Pearson education, 2002 | 12(1995) |
| | Multimedia: Making it Work | Tay Vaughan | 6th edition, Tata McGraw Hill, 2004 | Nil |
| | Multimedia information systems | Pallapa Venkataram | Pearson education (InPress),2005. | Nil |
| CMOS Mixed Signal VLSI ECCDLO 7034 | Design of analog CMOS integrated circuits | Razavi | McGraw Hill, Edition 2002 | UG:7(2013) PG:3(2001) |
| | CMOS Mixed-Signal circuit design | Jacob Baker | IEEE Press, 2009 | PG:3(2002) (Vol.No.2) |

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|---------------------------------------|---|--------------------------------|---|--------------------------|
| | CMOS Analog Circuit Design | P. E. Allen and D R Holberg | second edition, Oxford University Press, 2002 | UG:4(2012) PG:3(2009) |
| | CMOS: Circuit Design, layout and Simulation | Baker, Li, Boyce | PHI, 2000 | UG:8(2005) PG:3(2005) |
| | Microelectronic Circuits | Sedra/Smith | Oxford University Press | 3 |
| Embedded Systems ECCDLO 7035 | Embedded System Design: A unified Hardware/Software Introduction | Frank Vahid, and Tony Givargis | Wiley Publication | 20 |
| | Embedded Systems Architecture, Programming and design | Raj Kamal | Tata MCgraw-Hill Publication | 6 |
| | Embedded real systems Programming | Iyer, Gupta | TMH | 11 |
| | Embedded systems software primer | David Simon | Pearson | UG:13;PG:3 |
| | Introduction to Embedded Systems | Shibu K.V | Mc Graw Hill, 2nd edition | UG:5(2009);PG:3(2009) |
| | Embedded Real Time Systems: Concepts, Design & Programming(Black book) | K.V.K.K. Prasad | Dreamtech Publication. | 11 |
| Product Life Cycle ManagementILO 7011 | Product Lifecycle Management: Paradigm for 21st Century Product Realisation | John Stark | Springer-Verlag, 2004. ISBN: 1852338105 | Nil |

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|----------------------------------|--|---|---|-----|
| | Product Design for the environment-A life cycle approach | Fabio Giudice, Guido La Rosa, Antonino Risitano | Taylor & Francis 2006, ISBN: 0849327229 | Nil |
| | Product Life Cycle Management | Saaksvuori Antti, Immonen Anselmie, | Springer, Dreamtech, ISBN: 3540257314 | Nil |
| | Product Lifecycle Management: Driving the next generation of lean thinking | Michael Grieve | Tata McGraw Hill, 2006, ISBN: 0070636265 | Nil |
| Reliability Engineering ILO 7012 | Reliability Engineering | L.S. Srinath | Affiliated East-Wast Press (P) Ltd., 1985 | Nil |
| | Reliability and Maintainability Engineering | Charles E. Ebeling | Tata McGraw Hill. | Nil |
| | Engineering Reliability | B.S. Dhillion, C. Singh | John Wiley & Sons, 1980. | Nil |
| | Practical Reliability Engg | P.D.T. Conor | John Wiley & Sons, 1985 | Nil |
| | Reliability in Engineering Design | K.C. Kapur, L.R. Lamberson | John Wiley & Sons | Nil |
| | Probability and Statistics | Murray R. Spiegel | Tata McGraw-Hill Publishing Co. Ltd. | Nil |
| | SCHAUM S OUTLINE OF THEORY AND PROBLEMS OF Probability and Statistics SIC (METRIC) EDITION | Murray R. Spiegel | Tata McGraw-Hill Publishing Co. Ltd. | 7 |

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|--|---|--|--|-------------|
| Management Information System ILO 7013 | Management Information Systems, | Kelly Rainer, Brad Prince | Wiley | Nil |
| | Management Information Systems: MOVING BUSINESS FORWARD | Kelly Rainer, Brad Prince | Wiley | UG:10;PG :2 |
| | Management Information Systems: Managing the Digital Firm | K.C. Laudon and J.P. Laudon, | 10th Ed., Prentice Hall, 2007 | 5 |
| | Managing Information Systems: | D. Boddy, A. Boonstra | Prentice Hall, 2008 | Nil |
| Design of Experiments ILO 7014 | Response Surface Methodology: Process and Product Optimization using Designed Experiment, | Raymond H. Mayers, Douglas C. Montgomery, Christine M. Anderson-Cook | 3rd edition, John Wiley & Sons, New York, 2001 | Nil |
| | Design and Analysis of Experiments | D.C. Montgomery | 5th edition, John Wiley & Sons, New York, 2001 | 2 |
| | Statics for Experimenters: Design, Innovation and Discovery | George E P Box, J Stuart Hunter, William G Hunter | 2nd Ed. Wiley | Nil |
| | Practical Experiment Designs for Engineers and Scientists | W J Dimond | John Wiley and Sons Inc. ISBN: 0-471-39054-2 | Nil |
| | Design and Analysis of Experiments (Springer text in Statistics) | A.M. Dean, and D. T.Voss | Springer | Nil |

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|----------------------------------|---|--|---|-------------------------------------|
| Operations Research ILO 7015 | Operations Research - An Introduction | Taha, H.A | Prentice Hall, (7th Edition), 2002 | UG:1(1999);6(6th.ed.);PG:5(9th.ed.) |
| | Operations Research: Principles and Practice | Ravindran, A, Phillips, D. T and Solberg, J. J | John Willey and Sons, 2nd Edition, 2009 | Nil |
| | "Introduction to Operations Research | Hiller, F. S. and Liebermann, G. J | Tata McGraw Hill, 2002. | PG:5(9th.ed.) |
| | Operations Research | S. D. Sharma | , KedarNath Ram Nath-Meerut | |
| | Operations Research: THEORY, METHODS AND APPLICATIONS | S. D. Sharma | , KedarNath Ram Nath-Meerut | 1(1996);5(1972);2(2017) |
| | Operations Research | KantiSwarup, P. K. Gupta and Man Mohan | Sultan Chand & Sons | 7 |
| Cyber Security and Laws ILO 7016 | Cyber Security | Nina Godbole, Sunit Belapure | Wiley India, New Delhi | UG:30;PG :11 |
| | The Indian Cyber Law | Suresh T. Vishwanathan | Bharat Law House New Delhi | 10(2nd.ed.) |
| | The Information technology Act, 2000; Bare Act | | - Professional Book Publishers, New Delhi | Nil |
| | Cyber Law & Cyber Crimes | Advocate Prashant Mali | Snow White Publications, Mumbai | Nil |

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| | Information Systems Security | Nina Godbole | Wiley India, New Delhi | UG:3;PG:5 |
| | Cyber Security & Global Information | Kennetch J. Knapp | Assurance Information Science Publishing. | Nil |
| | Cryptography and Network Security: PRINCIPLES AND PRACTICE | William Stallings | Pearson Publication | UG:1(2nd .ed.);10(3rd .ed.);26(4th .ed.);16(5th .ed.);10(6th .ed.);PG :8(5th .ed.) |
| Disaster Management and Mitigation Measures ILO 7017 | Disaster Management | Harsh K.Gupta | Universities Press Publications | PG:2 |
| | Disaster Management: An Appraisal of Institutional Mechanisms in India | O.S.Dagur | Centre for land warfare studies, New Delhi, 2011 | Nil |
| | Introduction to International Disaster Management | Damon Copolla | Butterworth Heinemann Elsevier Publications | PG:1 |
| | Disaster Management Handbook | Jack Pinkowski | CRC Press Taylor and Francis group | Nil |
| | Disaster management & rehabilitation | Rajdeep Dasgupta | Mittal Publications, New Delhi | Nil |
| | Natural Hazards and Disaster Management, Vulnerability and Mitigation | R B Singh | Rawat Publications | PG:1 |
| | Concepts and Techniques of GIS | C.P.Lo Albert, K.W. Yongg | Prentice Hall (India) Publications | Nil |

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|-------------------------------------|---|--|--|--------------|
| Energy Audit and ManagementILO 7018 | Handbook of Electrical Installation Practice | Geofry Stokes | Blackwell Science | 1(4th. ed.) |
| | Designing with light: Lighting Handbook | Anil Valia | Lighting System | Nil |
| | Energy Management Handbook | W.C. Turner | John Wiley and Sons | 1(9th. ed.) |
| | Handbook on Energy Audits and Management | A. K. Tyagi | Tata Energy Research Institute (TERI). | Nil |
| | Energy Management Principles | C.B.Smith | Pergamon Press | Nil |
| | Energy Conservation Guidebook | Dale R. Patrick, S. Fardo, Ray E. Richardson | Fairmont Press | Nil |
| | Handbook of Energy Audits | Albert Thumann, W. J. Younger, T. | Niehus, CRC Press | Nil |
| Development EngineeringILO 7019 | ITPI, Village Planning and Rural Development, | | ITPI, New Delhi | Nil |
| | Human Settlements | Thooyavan, K.R | : A 2005 MA Publication, Chennai | Nil |
| | GoI, Constitution (73rd GoI, New Delhi Amendment) Act | | , GoI, New Delhi | Nil |
| | Planning Commission, Five Year Plans | Planning Commission | | Nil |
| | Planning Commission, Manual of Integrated District Planning | | 2006, Planning Commission New Delhi | Nil |
| | Planning Guide to Beginners | | | Nil |

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|--|--|----------------------|--|-----|
| | The Urban Complex | Weaver, R.C | , Doubleday | Nil |
| | Ethics in Planning | Farmer, W.P. et a | American Planning Association, Washington | Nil |
| | Normative Ethics in Planning, Journal of Planning Literature, Vol.5, No.2, pp. 123- 150. | How, E | | Nil |
| | Conflicting Rationalities: -- Implications for Planning Theory and Ethics, Planning Theory and Practice, Vol. 4, No.4, pp.395 – 407 | Watson, V | | Nil |