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# List of Books 2014-15

### Department of Aeronautical Engineering

| S.No | Author | Title | Qty |
|---|---|---|---|
| 1. | Acharya | Understanding Satellite Navigation | 1 |
| 2. | Farokhi | Aircraft Propulsion.Ed.2 | 1 |
| 3. | Johnson | Hand Book Of Fluid Dynamics | 1 |
| 4. | Plass | Future Aeronautical Communications | 1 |
| 5. | Torenbeek | Advanced Aircraft Design. | 1 |
| 6. | Campbell | Manufacturing Technology For Aerospace Structural Materials | 2 |
| 7. | Megson | Introduction To Aircraft Structural Analysis Ed.2 | 2 |
| 8. | Cutler | Understanding Aircraft Structures.Ed.4 | 3 |
| 9. | Wright | Introduction To Aircraft Aeroelasticity And Loads | 2 |
| 10. | Benedict | Fundamentals Of Temperature,Pressure & Airflow Measurement | 2 |
| 11. | Phani Kumar | Principles Of Nanotechnology.Ed.2 | 3 |
| 12. | Kondepudi | Modern Thermodynamics | 1 |
| 13. | Akber Ayup | Marine Diesel Engine (Pb) | 1 |
| 14. | Anderson | Fracture Mechanics :Fundamentals And Applications | 1 |
| 15. | Babu | Fundamentals Of Incompressible Fluid Flow | 1 |
| 16. | Babu | Fundamentals Of Propulsion | 1 |
| 17. | Bhaskar | Plates Theories And Applications | 1 |
| 18. | Bower | Applied Mechanics Of Solids | 1 |
| 19. | Gaskell | Introduction To Thermodynamics Of Materials | 1 |
| 20. | Kundu | Fundamentals Of Fracture Mechanics | 1 |
| 21. | Patankar | Numerical Heat Transfer And Fluid Flow | 1 |
| 22. | Schlichting | Boundary Layer Theory | 1 |
| 23. | Shabana | Theory Of Vibration:An Introduction 2/Ed | 1 |
| 24. | Ukarande | Fluid Mechanics And Hydraulics | 1 |
| 25. | Venkatasan | Computational Methods In Engineering | 1 |
| 26. | Venkatesan | Heat Transfer 2/E | 1 |
| 27. | Vepa | Flight Dynamics, Simulation &Control | 1 |
| 28. | Attaf | Advances In Composite Materials-Ecodesign And Analysis | 1 |
| 29. | Lieuwen | Gas Turbine Emissions | 1 |
| 30. | Sinha | Vibration Of Mechanical Systems | 1 |
| 31. | Anderson | Fundamentals Of Aerodynamics Ed 5 | 5 |
| 32. | Cengel | Heat And Mass Transfer | 5 |
| 33. | Houghton | Aerodynamics For Engineering Students Ed 4 | 2 |
| 34. | Kayton | Avionics Navigation Systems Ed 2 | 3 |
| 35. | Kothandaraman | Fundamentals Of Heat And Mass Transfer Ed 4 | 2 |

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|---|---|---|---|
| 36. | Kuethe | Foundation Of Aerodynamics | 2 |
| 37. | Lawson | Building Aerodynamics | 1 |
| 38. | Rao | Mechanical Vibrations Ed 4 | 5 |
| 39. | Anderson | Modern Compressible Flow Ed 3 | 2 |
| 40. | Anderson | Computational Fluid Dynamics | 2 |
| 41. | Cohen | Gas Turbine Theory Ed 5 | 4 |
| 42. | Nelson | Flight Stability And Automatic Control Ed 2 | 2 |
| 43. | Reddy | Introduction To The Finite Element Method Ed 3 | 2 |
| 44. | Timoshenko | Theory Of Plates And Shells Ed 2 | 4 |
| 45. | White | Viscous Fluid Flow Ed 3 | 4 |
| 46. | Cook | Concepts And Applications Of Finite Element Analysis Ed 4 | 7 |
| 47. | Panton | Incompressible Flow Ed 3 | 2 |

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## Department of Automobile Engineering

| S.No | Author | Title | Qty |
|---|---|---|---|
| 1. | Elmarakbi | Advanced composite materials for Automotive applications | 1 |
| 2. | Murphy | Disaster Robotics | 1 |
| 3. | Balaguru | Dynamics of Machinery.Ed.4 | 3 |
| 4. | Babu | Automotive chassis | 3 |
| 5. | Anderson | Onboard Diagnostics and Measurement in the Automobile Industry, Shipbuilding and Aircraft Construction | 1 |
| 6. | Thompson | Brake NVH: Testing and Measurements | 1 |
| 7. | Nag | Advances in Internal Combustion engines and Fuel Technologies | 1 |
| 8. | Babu | Fundamentals of Gas Dynamics | 1 |
| 9. | Balaji | Essential of Thermal System Design and Optimization | 1 |
| 10. | Venkatasan | Mechanical Measurements Ed.2 | 1 |
| 11. | Venkatasan | Strength of Materials Ed.2 | 1 |
| 12. | Guiggiani | Science of vehicle Dynamics. | 1 |
| 13. | Bejan A | Convection Heat Transfer Ed. 4 | 1 |
| 14. | Crouse | Automotive Mechanics Ed 10 | 2 |
| 15. | Kohli | Automotive Electrical Equipment | 2 |
| 16. | Baldev Raj | Practical Nondestructive Testing Ed 3 | 2 |
| 17. | Ganesan | Internal Combustion Engines Ed 4 | 5 |
| 18. | Heywood | Internal Combustion Engine Fundamentals | 5 |
| 19. | Pundir | Engine Emissions | 2 |
| 20. | Heitner J | Automotive Mechanics | 2 |
| 21. | Crouse | Automotive Mechanics Ed.10 | 2 |
| 22. | Donaldson | Tool Design (SIE) Ed4 | 2 |
| 23. | Ganesan V | Internal Combustion Engines Ed.4 | 2 |
| 24. | Heywood J | Internal Combustion Engines Fundamentals | 2 |
| 25. | Kohli P L | Automotive Electrical Equipment | 2 |
| 26. | Nag P K | Power Plant Engineering | 1 |
| 27. | Srinivasan S | Automotive Mechanics Ed.2 | 2 |
| 28. | Bevan T | Theory of Machines Ed3 | 2 |
| 29. | Rathakrishnan | Fundamentals of Engineering Thermodynamics Ed 2 | 2 |
| 30. | Kannaiah | Illustrated Dictionary of Mechanics Engineering | 2 |
| 31. | Ramalingam | Internal Combustion Engines Ed.2 | 2 |

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## Department of Electronics and Communication Engineering

| S.No | Author | Title | Qty |
|---|---|---|---|
| 1. | Cox | Introduction to LTE: LTE, LTE-Advanced, SAE, VoLTE & 4G Mobil communications Ed 2 | 1 |
| 2. | Prabhu | Design and construction of an RFID-enabled Infrastructure: Next Avatar of the Internet | 1 |
| 3. | Ganesh Babu | Comunication Theory.Ed.5 | 3 |
| 4. | Ramesh Babu | Circuit Theory.Ed.2 | 3 |
| 5. | Latha | Microprocessors &Micro controllers | 3 |
| 6. | Ganesh Babu | Linear Integrated Circuits | 2 |
| 7. | Rama Reddy | Electromagnetic Theory.Ed.2 | 3 |
| 8. | Ganesh Babu | Digital Communication | 2 |
| 9. | Murti | Essentials of Nonlinear Optics | 1 |
| 10. | Palani | Signals & Systems 2nd Edi | 1 |
| 11. | Doebelin | Measurement System Ed 6 | 2 |
| 12. | Franco | Design with Operational Amplifiers and Analog Integrated Circuits Ed 3 | 2 |
| 13. | Jain | Fundamentals of Digital Image Processing | 4 |
| 14. | Rappaport | Wireless Communications: Principles and Practice Ed 2 | 2 |
| 15. | Roy Choudhary | Linear Integrated Circuits Ed 4 | 2 |
| 16. | Stallings | Data and Computer Communications Ed 9 | 2 |
| 17. | Balanis | Antenna Theory: Analysis and Design Ed 3 | 2 |
| 18. | Forouzan | Data Communication and Networking Ed 5 | 2 |
| 19. | Franz | Optical Communications: Components an | 2 |
| 20. | Gray | Analysis and Design of Analog Integrated Circuits Ed 5 | 2 |
| 21. | Johns | Analog Integrated Circuit Design Ed 2 | 2 |
| 22. | Keiser | Optical Fiber Communications Ed 5 | 2 |
| 23. | Kraus | Antennas and Wave Propagation Ed 4 | 2 |
| 24. | Krishna | Real Time Systems | 4 |
| 25. | Lee | Mobile Communications Engineering Theory & Applications | 2 |
| 26. | Patranabis | Telemetry Principles | 1 |
| 27. | Razavi | Design of Analog CMOS Integrated Circuits | 2 |
| 28. | Schiller | Mobile Communications Ed 2 | 2 |
| 29. | Skolnik | Introduction to Radar Systems Ed 3 | 2 |
| 30. | Kuo | Automatic Control Systems Ed 9 | 2 |
| 31. | Haykin | Communication Systems Ed 4 | 2 |
| 32. | Bellamy | Digital Telephony Ed 3 | 2 |
| 33. | Agrawal | Fiber Optic Communication Systems Ed 3 | 2 |
| 34. | Pozar | Microwave Engineering Ed 4 | 2 |
| 35. | Gold | Speech and Audio Signal Processing | 2 |

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| 36. | Becchetti | Speech Recognition: Theory and C++ Implementation | 2 |
| 37. | Hayes | Statistical Digital Signal Processing and Modeling | 2 |
| 38. | Parhi | VLSI Digital Signal Processing Systems | 2 |
| 39. | Sohraby | Wireless Sensor Networks: Technology, Protocols and Applications | 2 |
| 40. | Vaughan | Multimedia: Making it Work Ed 8 | 2 |

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## Department of Electronics and Instrumentation

| S.No | Author | Title | Qty |
|---|---|---|---|
| 1. | Kahrizi | Micromachining techniques for fabrication of micro&nano structures. | 1 |
| 2. | Ananda Natarajan | Control Systems Engineering | 3 |
| 3. | Jairath | Modern Control Theory | 1 |
| 4. | Jairath | Control Systems 2nd Edition | 1 |
| 5. | Palani | Automatic Control Systems Including MATLAB | 1 |
| 6. | Arumugam | Biomedical Instrumentation | 2 |
| 7. | Doebellin | Measurement System, Ed.6 | 1 |
| 8. | Gupta S | Virtual Instrumentation Using LabView Ed. 2 | 2 |
| 9. | Kalsi | Electronics Instrumentation, Ed. 3 | 2 |
| 10. | Sawhney | A Course in Electrical & Electronic Measurements and Instrumentation | 2 |
| 11. | Khandpur | Handbook of Biomedical Instrumentation | 2 |
| 12. | Patranabis | Principles of IndustrialInstrumentation,Ed3. | 2 |
| 13. | Gopal | Digital Control and State Variable Methods | 1 |
| 14. | Rangan | Instrumentation:Devices and SystemsEd. 2 | 2 |
| 15. | Krishnaswa | Industrial Instrumentation, Ed.2 | 2 |
| 16. | Cromwell | BiomedicalInstrumentation &Measurements | 2 |
| 17. | Cromwell | Biomedical Instrumentation and Measurements Ed 2 | 2 |
| 18. | Haykin | Neural Networks and Learning Machines Ed 3 | 2 |
| 19. | Khandpur | Handbook of Biomedical Instrumentation Ed 3 | 2 |
| 20. | Klir | Fuzzy Sets and Fuzzy Logic: Theory and Applications | 4 |
| 21. | Sonka | Image Processing Analysis and Machine Vision | 4 |
| 22. | Stenersen | Computer Numerical Control- Operation and Programming | 2 |
| 23. | Forouzan | Cryptography and Network Security Ed 2 | 2 |
| 24. | Gonzalez | Digital Image Processing Using MATLAB Ed 2 | 2 |
| 25. | Gopal | Control Systems: Principles and Design Ed4 | 2 |
| 26. | Patranabis | Principles of Industrial Instrumentation Ed 3 | 4 |
| 27. | Schneier | Applied Cryptography | 2 |
| 28. | Webster | Medical Instrumentation, Application and Design Ed 3 | 2 |
| 29. | Tanenbaum | Distributed Systems: Principles and Paradigms | 2 |
| 30. | Burdan. R.L | Numerical Analysis | 3 |
| 31. | Tulay Adali | Adaptive signal processing | 3 |
| 32. | Gupta.S.K | Numerical Methods for Engineers. | 3 |
| 33. | Proakis.J.G | Digital signal processing: principles, Algorithms and Applications. | 3 |
| 34. | Ogata.K | Modern control Engineering | 2 |
| 35. | Doebelin.E.O | Measurement systems | 2 |
| 36. | Gopal. M | Digital control and state variable methods | 1 |
| 37. | Petruzella.F.D | Programmable logic controllers. | 3 |

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**Department of Computer Technology**

| S.No | Author | Title | Qty |
|---|---|---|---|
| 1. | Amiyakumar Rath | Computer fundamentals and C Programming | 3 |
| 2. | Ben-Ari | Mathematical Logic For Computer Science Ed.2 | 1 |
| 3. | Ayala | 8051 Microcontroller and Embedded Systems | 2 |
| 4. | Crowley | Network Processor Design Issues and Practices Vol.1 | 3 |
| 5. | Crowley | Network Processor Design Issues and Practices Vol.2 | 3 |
| 6. | Gordon | System Simulation Ed 2 | 2 |
| 7. | Kurose | Computer Networking: A Top-Down Approach Ed 5 | 2 |
| 8. | Peterson | Computer Networks: A System Approach Ed5 | 2 |
| 9. | Leach | Digital Principles and Applications Ed 8 | 2 |
| 10. | Silberschatz | Operating System Concepts Ed 8 | 2 |
| 11. | Wolf | Computers as Components: Principles of Embedded Computing Systems Design Ed 3 | 2 |

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## Department of Information Technology

| S.No | Author | Title | Qty |
|---|---|---|---|
| 1. | Chrostowski | High-Speed Phonotics Interconnects | 1 |
| 2. | Pramod | 8085 Microprocessor | 1 |
| 3. | Otero | Software Engineering Design | 1 |
| 4. | Mazidi | 8051 Microcontrollers and Embedded System Ed 2 | 2 |
| 5. | Rajaraman | Parallel Computers: Architecture and Programming | 1 |
| 6. | Sivaram Murthy | Ad Hoc Wireless Networks: Architecture and Protocols Ed 2 | 2 |
| 7. | Briggs | Computer Architecture & Parallel Processing | 2 |
| 8. | Berman | Grid Computing : Making the Global Infrastructure a Reality | 2 |
| 9. | Duda | Pattern Classification Ed 2 | 2 |
| 10. | Prasad | Embedded/Real Time Systems Concepts, Design and Programming | 2 |
| 11. | Tanenbaum | Distributed Operating Systems | 2 |

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## Department of Production Engineering

| S.No | Author | Title | Qty |
|---|---|---|---|
| 1. | Deb | Maintenance Management and Engineering | 1 |
| 2. | Sagar | Brand Management | 1 |
| 3. | Besterfield | Total Quality Management Ed 3 | 2 |
| 4. | Collins | Failure of Materials in mechanical engineering: Analysis, prediction, prevention. | 1 |
| 5. | Curtis | Orbital mechanics for engineering students.Ed.2 | 1 |
| 6. | Kurnool | Analysis And Control Of Production Systems And Operations And Production Management | 5 |
| 7. | Mahadevan | Design Data Handbook For Mechanical Engineers In Si And Metric Units, Ed.4 | 3 |
| 8. | Kannaiah | Design of Machine Elements.Ed.2 | 3 |
| 9. | Bhatia | Advanced Renewable Energy SystemsI | 2 |
| 10. | Hu | Advanced Hybrid Power trains for Commercial Vehicles | 1 |
| 11. | Lansdown | Lubrication and Lubricant Selection Ed 3 | 1 |
| 12. | Ahmed | Emerging Nanotechnologies for Manufacturing | 1 |
| 13. | Deleure | Nanostructures Theory & Modelling (New) | 1 |
| 14. | Droege | Nanostructured Materials | 1 |
| 15. | Fahrner | Nanotechnology & Nanoelectronics | 1 |
| 16. | Fujita | Micromachines As Tool For Nanotechnology | 1 |
| 17. | Ghorpade | Strength of Machine Elements:Concepts and Applications | 1 |
| 18. | Sharma | Manufacturing Operations Management | 1 |
| 19. | Shchukin | Nanostructures | 1 |
| 20. | Singh | Fundamentals of Manufacturing Engineering Ed.2 | 1 |
| 21. | Chockalingam | Large MIMO Systems | 1 |
| 22. | Esposito | Fluid Power with Applications Ed 7 | 5 |
| 23. | Groover | Industrial Robotics Ed 2 | 2 |
| 24. | Majumdar | Oil Hydraulic Systems | 2 |
| 25. | Millman | Microelectronics Ed 2 | 2 |
| 26. | Askin | Design and Analysis of Lean Production Systems | 2 |
| 27. | Poole | Introduction to Nanotechnology | 2 |

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## Department of Rubber and Plastics Engineering

| S.No | Author | Title | Qty |
|---|---|---|---|
| 1. | Harper | Handbook Of Plastic Processes | 2 |
| 2. | Brydson | Plastics Materials | 2 |
| 3. | Crawford | Plastics Engineering .Ed.3 | 5 |
| 4. | Batra | Comprehensive Injection Moulding | 5 |
| 5. | Kothandaraman | Rubber Materials (Pb) | 1 |
| 6. | Agarwal | Analysis and Performance of Fiber Composites | 2 |

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## Department of Applied Science and Humanities

| S.No | Author | Title | Qty |
|---|---|---|---|
| 1. | Enamul | Rapid Prototyping Technology: Principles &Functional Requirements. | 1 |
| 2. | Moorthy | Probability And Random Processes | 3 |
| 3. | Subramani | Numerical Methods | 3 |
| 4. | Bhaskar | Theory Of Isotropic/Orthotropic Elasticity: | 1 |
| 5. | Bondy | Graph Theory (Spr E) | 1 |
| 6. | Singh | Operations Research | 1 |
| 7. | Thamban Nair | Calculus Of One Variable | 1 |
| 8. | Shah | Ordinary And Partial Differential Equations: Theory & Applications | 2 |
| 9. | Apostol | Mathematical Analysis Ed 2 | 2 |
| 10. | Boyce | Elementary Differential Equations And Boundary Value Problems Ed 9 | 2 |
| 11. | Kreyszig | Advanced Engineering Mathematics Ed 9 | 5 |

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## General Books

| S.No | Author | Title | Qty |
|---|---|---|---|
| 1. | G.K.P | A Complete Reference Book General Aptitude | 1 |
| 2. | Aggarwal | A Modern Approach to Verbal & Non Verbal Reasoning Revised Edition | 1 |
| 3. | Gupta | All About Reasoning Verbal & Non Verbal | 1 |
| 4. | Rajput | An Integrated Course in Electronics & Communication Engineering | 1 |
| 5. | Gupta | An Integrated Course in Electronics and Communication Engineering | 1 |
| 6. | Handa | Electronics and Communication Engineering Objective Type | 1 |
| 7. | Singh | Electronics and Instrumentation Engineering Objective Type | 1 |
| 8. | G.K.P | Gate 2015 Computer Science & Information Technology | 1 |
| 9. | Made Easy | Gate 2015 Computer Science and Information Technology Previous Years solved papers | 1 |
| 10. | Disha | GATE 2015 Computer Science and Information Technology Ed.2 | 1 |
| 11. | Disha | GATE 2015 Electronics and Communication engineering Ed.2 | 1 |
| 12. | Made Easy | Gate 2015 Electronics Engineering Previous Solved Papers | 1 |
| 13. | G.K.P | Gate 2015 Engineering Mathematics and General Aptitude | 1 |
| 14. | Made Easy | Gate 2015 Engineering Mathematics previous solved papers | 1 |
| 15. | G.K.P | Gate 2015 for Electronics and Communication Engineering | 1 |
| 16. | Made Easy | Gate 2015 Instrumentation Engineering previous solved papers | 1 |
| 17. | G.K.P | Gate 2015 Instrumentation Engineering | 1 |
| 18. | G.K.P | Gate 2015 Mathematics | 1 |
| 19. | G.K.P | Gate 2015 Production and Industrial Engineering | 1 |
| 20. | G.K.P | GATE 2015: Physics | 1 |
| 21. | Handa | Gate Computer Science and Information Technology | 1 |
| 22. | Gupta | Gate Electronics and Communication Engineering | 1 |
| 23. | Handa | Gate Electronics and Communication Engineering | 1 |
| 24. | Handa | Gate Instrumentation Engineering | 1 |
| 25. | Joshi | GATE Mentor 2015 Electronics and Communication Engineering | 1 |
| 26. | Kirupani | Gate Tutor 2015 Computer Science and Information Technology | 1 |
| 27. | Goel | Gate Tutor 2015 Instrumentation Engineering | 1 |
| 28. | Mohan | General Knowledge Digest and General Studies | 1 |
| 29. | Singh | Made Easy General Studies | 1 |
| 30. | Theraja | Objective Electrical Electronics and Telecommunication Engineering | 1 |
| 31. | Prasad | Objective English for Competitive Examinations Ed.5 | 1 |
| 32. | Aggarwal | Objective General English | 1 |
| 33. | Vikas | Objective Verbal Reasoning | 1 |
| 34. | Mithal | Objectives Electronics and Telecommunication Engineering | 1 |

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| 35. | Ramesh | Quantitative Aptitude | 1 |
| 36. | Praveen | Quantitative Aptitude and Reasoning Ed.2 | 1 |
| 37. | Aggarwal | Quantitative Aptitude for Competitive Examinations | 1 |
| 38. | Guha | Quantitative Aptitude for Competitive Examinations Ed.5 | 1 |
| 39. | Gupta | Question Bank in Electronics and Communication Engineering | 1 |
| 40. | Singh | Reasoning and Numerical Ability for Gate | 1 |
| 41. | Khandelwal | Solved and Mock Papers Gate Aerospace Engineering | 1 |
| 42. | Thorpe | Test Of Reasoning Ed.5 | 1 |
| 43. | Thorpe | The Pearson General Knowledge Manual 2015 | 1 |
| 44. | Khattar | The Pearson Guide to Quantitative Aptitude for Competitive Examinations Ed.2 | 1 |
| 45. | Thorpe | The Pearson Objective General Knowledge Ed.4 | 1 |
| 46. | Karna | Theory Objective Questions with detailed Solutions in Electronics & Communication for Competitions | 1 |
| 47. | G.K.P | U.P.S.C ES: Electronics & Telecommunication Engineering Papers I & II- SOLVED PAPERS 2000-2014 | 1 |
| 48. | Garg | Upkar Objective Mathematics | 1 |
| 49. | G.K.P | UPSC ES: Electronics & Telecommunication Engineering | 1 |
| 50. | G.K.P | UPSC-ES General Ability Test | 1 |