

**ANNA UNIVERSITY**  
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**List of Books Purchased during the year 2023-24**

| <b>S.No.</b> | <b>Author</b>                                        | <b>Title</b>                                                                     | <b>Qty.</b> |
|--------------|------------------------------------------------------|----------------------------------------------------------------------------------|-------------|
| 1            | Bhattacharyya                                        | Fluid Mechanics and Fluid Power (Vol.2) Select Proceedings of FMFP 2021          | 1           |
| 2            | Bradley, D.<br>Dawson, N.C.Burd<br>and A.J. Loader   | Mechatronics: Electronics in Product and Process                                 | 5           |
| 3            | J K. Harada, E.<br>Yoshida,                          | Motion Planning for Humanoid Robots                                              | 1           |
| 4            | Guilin Yang, I-Ming<br>Chen                          | Modular Robots: Theory and Practice                                              | 1           |
| 5            | Mehrdad Ehsani                                       | Modern Electric, Hybrid Electric and Fuel Cell Vehicles Ed.3                     | 5           |
| 6            | Radovan Miucic                                       | Connected Vehicles: Intelligent Transportation Systems                           | 1           |
| 7            | Tom Denton                                           | Automobile Electrical and Electronic Systems Ed.5                                | 1           |
| 8            | William B Ribbens                                    | Understanding Automotive Electronic: An Engineering Perspective                  | 1           |
| 9            | Arnon Cohen                                          | Bio-Medical Signal Processing and Vol-II                                         | 1           |
| 10           | Gabriele Manduchi<br>and Ivan Cibrario<br>Bertolotti | Real-Time Embedded Systems: Open-Source Operating Systems                        | 1           |
| 11           | Kirk, D. and Hwu,<br>M., W.,                         | Programming Massively Parallel Processors: A Hands- on Approach                  | 1           |
| 12           | Duato J,<br>Yalamanchili S,                          | Interconnection Networks: An Engineering Approach                                | 1           |
| 13           | Allen Klinger                                        | Human Machine Interactive Systems                                                | 1           |
| 14           | Bernhard<br>Graumann,                                | Brain – Computer Interfaces                                                      | 1           |
| 15           | M. Nakamura.S.<br>Gata& N.<br>Kyura                  | Mechatronic Servo System Control                                                 | 1           |
| 16           | Balasubramanian<br>R.                                | Callister's Materials Science and Engineering Ed.2                               | 5           |
| 17           | Sharma P.C.                                          | Text Book of Production Technology                                               | 5           |
| 18           | Richard I. Levin &<br>David S. Rubin                 | Statistics for Management Ed.8                                                   | 5           |
| 19           | Panneerselvam &<br>Sivasankaran P.                   | Process planning and Cost Estimation                                             | 2           |
| 20           | Hamdy A. Taha                                        | Operations Research: An Introduction                                             | 5           |
| 21           | William Bolton                                       | Mechatronics-Electronic Control Systems in Mechanical and Electrical Engineering | 5           |
| 22           | M. Morris Mano &<br>Michael D. Ciletti               | Digital Design Ed.6                                                              | 5           |

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|----|------------------------------------------|--------------------------------------------------------------------------------|---|
| 23 | Bimbhra B.S.                             | Power Electronics Ed.7                                                         | 5 |
| 24 | Mehta V.K. & Rohit Mehta                 | Principles of Electrical Machines                                              | 5 |
| 25 | Ogata                                    | Modern Control Engineering Ed.5                                                | 5 |
| 26 | Norman S. Nise                           | Control Systems Engineering                                                    | 1 |
| 27 | Nagendra Parashar B.S. & Mittal R.K.     | Elements of Manufacturing Processes                                            | 5 |
| 28 | Chattopadhyay P                          | Engineering Thermodynamics Ed.2                                                | 5 |
| 29 | Nag P.K.                                 | Engineering Thermodynamics Ed.6                                                | 5 |
| 30 | Jain A.K.                                | Fluid Mechanics including Hydraulic Machines                                   | 3 |
| 31 | John J. Craig,                           | Introduction to Robotics – Mechanics and control Ed.4                          | 5 |
| 32 | Anthony Esposito                         | Fluid power with applications Ed.7                                             | 5 |
| 33 | Rafael C. Gonzales & Richard E. Woods    | Digital Image Processing Publishers Ed.4                                       | 5 |
| 34 | Stephen Marsland                         | Machine Learning – An Algorithmic Perspective Ed.2                             | 5 |
| 35 | Fredrick S. Hillier & G. J. Liberman     | Introduction to Operations Research                                            | 5 |
| 36 | Kalymanoy Deb                            | Optimization for Engineering Design                                            | 5 |
| 37 | Mallick P.K.                             | Fiber Reinforced Composites: Materials, Manufacturing and Design Ed.3          | 5 |
| 38 | Jain V.K.                                | Introduction to Micromachining Ed.2                                            | 2 |
| 39 | Amar Khennane                            | Introduction to Finite Element Analysis using MATLAB and Abaqus                | 5 |
| 40 | Cullity B.D., Stock S. R. & Stock S.     | Elements of X ray Diffraction Ed.3                                             | 5 |
| 41 | Chary S.N.                               | Production and Operations Management                                           | 5 |
| 42 | Sadhu Singh                              | Experimental Stress Analysis                                                   | 5 |
| 43 | Mazidi M.A., Mazidi M.J. & MCKinlay R.D. | The 8051 Microcontroller and Embedded Systems Ed.2                             | 5 |
| 44 | Singh M.D. & Khanchandani K.B.           | Power Electronics Ed.2                                                         | 5 |
| 45 | Frank D, Petruzella                      | Programmable Logic Controller Ed.6                                             | 5 |
| 46 | Klir G.J. Yuan Bo                        | Fuzzy sets and Fuzzy Logic: Theory and Applications                            | 5 |
| 47 | Emmanuel C. Ifeachor & Barrie W. Jervis  | Digital Signal Processing- A Practical Approach Ed.2                           | 5 |
| 48 | Gopal M.                                 | Control Systems Principles and Design                                          | 5 |
| 49 | Groover M.P.                             | Automation, Production System and CIM                                          | 5 |
| 50 | Anil. K. Jain                            | Fundamentals of Digital Image Processing                                       | 5 |
| 51 | John Campbell                            | Complete Casting Handbook: Metal Casting Processes, Techniques and Design Ed.2 | 1 |

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|----|------------------------------------------------------|----------------------------------------------------------------------------------------|---|
| 52 | David H. Phillips                                    | Welding Engineering: An Introduction Ed.2                                              | 1 |
| 53 | Helmi Youssef & Hassan El-Hofy                       | Non-Traditional and Advanced Machining Technologies: Machine Tools and Operations Ed.2 | 1 |
| 54 | Michael Carter, Camille C. Price, & Ghaith Rabadi    | Operations Research: A Practical Introduction Ed.2                                     | 1 |
| 55 | Wei Jiang                                            | Analysis and Design of Machine Elements                                                | 1 |
| 56 | Zhuming Bi & Xiaoqin Wang                            | Computer Aided Design and Manufacturing                                                | 1 |
| 57 | Tan KokKiong & Andi Sudjana Putra                    | Drives and Control for Industrial Automation Advances in Industrial Control            | 1 |
| 58 | Elijah Kannatey-Asibu, Jr.                           | Principles of Laser Materials processing Developments and Applications Ed.2            | 1 |
| 59 | M Shahinpoor and Hans-Jorg Schneider                 | Intelligent Materials                                                                  | 1 |
| 60 | Dornfield David                                      | Green Manufacturing                                                                    | 1 |
| 61 | Davim J Paulo                                        | Green Manufacturing Processes and Systems                                              | 1 |
| 62 | Christian Glaize & Sylvie Geniès                     | Lithium batteries and other electrochemical storage systems                            | 1 |
| 63 | Kaushik Kumar, Bathini Sridhar Babu & J. Paulo Davim | Light Weight Materials Processing and Characterization                                 | 1 |
| 64 | Uzodinma Okoroanyanwu                                | Chemistry and Lithography                                                              | 1 |
| 65 | Ball S.R.                                            | Embedded Microprocessor Systems – Real World Design Ed.3                               | 1 |
| 66 | Dragomir N. Nenchev, Atsushi Konno & Teppei T sujita | Humanoid Robots: Modeling and Control                                                  | 1 |
| 67 | Alasdair Gilchrist                                   | Industry 4.0: The Industrial Internet of Things                                        | 1 |
| 68 | Alp Ustundag & Emre Cevikcan                         | Industry 4.0: Managing the Digital Transformation                                      | 1 |
| 69 | Andrew Yeh Chris Nee, Fei Tao, & Meng Zhang          | Digital Twin Driven Smart Manufacturing                                                | 1 |
| 70 | Daniel Tal & John Altschuld                          | Drone Technology in Architecture, Engineering and Construction                         | 1 |
| 71 | Jonathan M. Ross                                     | Human factors for Naval Marine Vehicle Design and Operation                            | 1 |
| 72 | Robert D. Christ & Robert L. Wernli                  | The ROV Manual A User Guide for Remotely Operated Vehicles Ed.2                        | 1 |
| 73 | Antti Saaksivuori & Anselmilmmonen                   | Product Life Cycle Management Ed.3                                                     | 1 |

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|----|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 74 | Sridhar.S,<br>Vijayalakshmi M                           | Machine Learning                                                                                                                               | 5 |
| 75 | Rao.S.S                                                 | Engineering Optimization Ed.5                                                                                                                  | 5 |
| 76 | Forsyth, D.A<br>Ponce J                                 | Computer Vision: A Modern Approach Ed.2                                                                                                        | 1 |
| 77 | Daniel T. Larose,<br>Chantal D Larose                   | Data Mining and predictive analytics Ed.2                                                                                                      | 5 |
| 78 | Reema Thareja                                           | Python Programming: Using Problem Solving<br>Approach Python Programming Ed.1                                                                  | 5 |
| 79 | Millan Sonka,<br>Vaclav Hlavac,<br>Roger Boyle          | Image Processing, Analysis and Machine Vision<br>Ed.4                                                                                          | 5 |
| 80 | Sunil Chopra,<br>Peter Meindl and<br>Dharam Virkarla    | Supply Chain Management- Strategy Planning<br>and operation Ed.7                                                                               | 5 |
| 81 | Dilip Kumar<br>Pratihari                                | Fundamentals of Robotics                                                                                                                       | 5 |
| 82 | RK Mittal, Nagrath                                      | Robotics and Control                                                                                                                           | 5 |
| 83 | Giancarlo ccone,<br>Md. Rezaul Karim,<br>Ahmed Menshawy | Deep Learning with Tensor Flow: Explore<br>neural networks with Python                                                                         | 5 |
| 84 | Siman Ozdemir,<br>Soma Halder                           | Hands-On Machine Learning for Cyber Security                                                                                                   | 5 |
| 85 | BrianTuomanen                                           | Hands-On GPU Programming with Python and<br>CUDA: Explore high-performance parallel<br>Computing with CUDA                                     | 5 |
| 86 | Jake Vander Plas                                        | Python Data Science Handbook Ed.1                                                                                                              | 4 |
| 87 | Wes Mckinney                                            | Python for Data Analysis Ed.2                                                                                                                  | 5 |
| 88 | Jack Chan, Ray<br>Chung & Jack<br>Huang                 | Python API Development Fundamentals                                                                                                            | 5 |
| 89 | Miquel Grinberg                                         | Flask Web Development : Developing Web<br>Applications with Python Ed.2                                                                        | 5 |
| 90 | Mark Treveil ,<br>Dataiku team                          | Introducing MLOPs: How to Scale Machine<br>Learning in the Enterprise Ed.1                                                                     | 5 |
| 91 | Andreas Muller                                          | Introduction to Machine Learning with Python: A<br>Guide for Data Scientist Ed.1                                                               | 5 |
| 92 | Dawn Griffiths and<br>David Griffiths                   | Head First Android Development: A Learner's<br>Guide To Building Android Apps with Kotlin Ed.3                                                 | 3 |
| 93 | Ahmad, Sahar and<br>Craig Clayton                       | iOS 15 Programming for Beginners: Kickstart<br>your Mobile App Development Journey by<br>Building iOS Apps with shift 5.5 and Xcode 13<br>Ed.6 | 5 |

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| 94           | Clarence Chio,                                       | Machine Learning and Security: Protecting Systems with Data and Algorithms Ed.1                              | 5          |
| 95           | John D. Kellcher,<br>Brain Mac Namee<br>Aoife D'Arcy | Fundamentals of Machine learning for Predictive Data Analytics, Algorithms, Worked Examples and case studies | 1          |
| 96           | Ian Goodfellow,<br>Yoshua Bengio,<br>Aaron Courville | Deep Learning                                                                                                | 1          |
| 97           | Gerassimos Barlas                                    | Multicore and GPU Programming: An Integrated Approach Ed.2                                                   | 1          |
| <b>Total</b> |                                                      |                                                                                                              | <b>310</b> |

