Robotic Process Automation Rpa Uipath

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Becoming Strategic with Robotic Process Automation - Leslie P. Willcocks 2019-10-07

Everyday Automation - Sarah Pink 2022-05-10
This Open Access book brings the experiences of automation as part of quotidian life into focus. It asks how, where and when automated technologies and systems are emerging in everyday life across different global regions? What are their likely impacts in the present and future? How do engineers, policy makers, industry stakeholders and designers envisage artificial intelligence (AI) and automated decision-making (ADM) as solutions to individual and societal problems? How do these future visions compare with the everyday realities, power relations and social inequalities in which AI and ADM are experienced? What do people know about automation and what are their experiences of engaging with 'actually existing' AI and ADM technologies? An international team of leading scholars bring together research developed across anthropology, sociology, media and communication studies and ethnology, which shows how by rehumanising automation, we can gain deeper understandings of its societal impacts.

Democratizing Artificial Intelligence with UiPath - Fanny Ip 2022-04-29
Build an end-to-end business solution in the cognitive automation lifecycle and explore UiPath Document Understanding, UiPath AI Center, and Druid Key Features Explore out-of-the-box (OOTB) AI Models in UiPath Learn how to deploy, manage, and continuously improve machine learning models using UiPath AI Center Deploy UiPath-integrated chatbots and master UiPath Document Understanding Book Description Artificial intelligence (AI) enables enterprises to optimize business processes that are probabilistic, highly variable, and require cognitive abilities with unstructured data. Many believe there is a steep learning curve with AI, however, the goal of our book is to lower the barrier to using AI. This practical guide to AI with UiPath will help RPA developers and tech-savvy business users learn how to incorporate cognitive abilities into business process optimization. With the hands-on approach of this book, you'll quickly be on your way to implementing cognitive automation to solve everyday business problems. Complete with step-by-step explanations of essential concepts, practical examples, and self-assessment questions, this book will help you understand the power of AI and give you an overview of the relevant out-of-the-box models. You'll learn about cognitive AI in the context of RPA, the basics of machine learning, and how to apply cognitive automation within the development lifecycle. You'll then put your skills to test by building three use cases with UiPath Document Understanding, UiPath AI Center, and Druid. By the end of this AI book, you'll be able to build UiPath automations with the cognitive capabilities of intelligent document processing, machine learning, and chatbots, while understanding the development lifecycle. What you will learn Discover how to bridge the gap between RPA and cognitive automation Understand how to configure, deploy, and maintain ML models in UiPath Explore OOTB models to manage documents, chats, emails, and more Prepare test data and test cases for user acceptance testing (UAT) Build a UiPath automation to act upon Druid responses Find out how to connect custom models to RPA Who this book is for AI Engineers and RPA developers who want to upskill and deploy out-of-the-box models using UiPath's AI capabilities will find this guide useful. A basic understanding of robotic process automation and machine learning will be beneficial but not mandatory to get started with this UiPath book.
Crisper Learning - Vaibhav Jain 2018-05
INTRODUCTIONIT SEEMS A THING OF THE PAST that you had to do all the manual work repetitively in a firm, surging only your stress, monotony and nothing in terms of your knowledge, skillset and cleverness. With progression of information technology in today's era, the ask from professionals is to work smarter and not just harder. Developers are inclined to learn more sophisticated and better tools and not stay working in the same dead-end job. This is where the realization

of automating the repetitive manual processes came into picture. Optimization of your work and effort needed in it would ultimately result in a more productive use of your time. And just like other technology developments, this didn't happen overnight as well. It took years of research, prototypes, small niche products that ultimately led to the formulation of software robots.The term "Robots" has been prevailing for decades in our community and has a connotation of mechanical parts, when put together, accomplish their assigned tasks. For this, let me make it clear that this book is not going to deal with such Hardware robots. It's not a physical device sitting in front of your system doing work for you. Robots have disparate conformations. A computer in itself is a robot, providing you the capability to create, maintain and remove your documents. Similarly, a phone can be termed as bot providing capabilities to make calls, work on business software applications utilizing touch interfaces any many more. Just a couple of years back, for people like us, it was difficult for comprehend the fact that doing a full-fledged accounting and management business over a PC system would be possible. But in today's world, you would see even toddlers handling refined IT products such as laptops, i-phones, smartwatches etc. with ease.Software Robots or Robotics Process Automation is the process of imitating the job a normal person would do in front of a computer system. It is the first step to building the Artificially Intelligent operations, which would be nothing but programmed bots accompanied with cognitive abilities. RPA provides an advanced substitute to improve productivity while being cost-effective and accurate through automation of rule-based, back-end administrative processes. When several bots work together in an office environment, this arrangement is called "virtual workforce". The virtual workforce is deployed via an operational team and is usually managed by the firm employees who implemented it. There are quite a few vendors in market today providing tools with various automation capabilities. The major ones among these include: UiPath, BluePrism, Automation Anywhere, IP Soft, WorkFusion, NICE, BlueWorks Live, Exilant, Xerox, Celaton, PEGA Systems and Kofax. In this book, we'll be dealing with UiPath, one of the most sophisticated tools available today that delivers basic, desktop, web and citrix based automations.

Business @ the Speed of Bots - Anton Walker 2019-10-23
Together we walk along the digital transformation journey of implementing new technology, and learn from industry thought leaders like Guy Kirkwood - chief evangelist from UiPath, Director of conversational AI company Artificial Solutions, and other RPA and AI experts and CEOs. We go through the entire RPA (robotic process automation) lifecycle from idea to implementation to scalable intelligent automation, with each chapter ending with questions to ask your Centre if Excellence team.This book takes you through Lean IA's AEIO YOU methodology to scale successfully, discussing tools, techniques and roles and responsibilities. You will notice that the AEIO YOU method which you can use to bring RPA into your company can also be used for introducing any new technology. We explore at the end of this book how you can repeat these steps to bring Artificial intelligence into the fabric of your organization's business processes and teams: "Our AEIO YOU method combines Lean thinking and change management, with RPA best practices from a business perspective, rather than a technical one"
Workflow Automation with Microsoft Power Automate - Aaron Guilmette 2020-09-18
Microsoft Power Automate is a workflow automation solution included in Microsoft 365. This book explores the core concepts of workflow automation, such as working with connectors, triggers, and actions, along with their practical implementation in automating business tasks and simplifying digital processes to boost enterprise productivity.
Service Automation - Leslie Willcocks 2016-02
The hype and fear, globally, that surrounds service automation, robots and the future of work need to be punctured by in-depth research. This

book, by Professors Leslie Willcocks and Mary Lacity, captures a year's worth of learning about service automation based on a survey, in-depth client case studies, and interviews with service automation clients, providers, and advisors. The authors cleverly embed today's empirical lessons into the broader history and context of automation, as a vital key in understanding the fast-rising phenomenon of service automation. The authors give a balanced, informed and compelling view on gaining the many benefits, as well as managing the downsides, of present and future technologies. The book has a number of key selling points: The authors are globally recognised for outstanding, world-class research; the book describes types of automation and gives evidence for multiple business benefits; in-depth case studies are included - from clients, providers and advisors of service automation; 25 key lessons are given, on how to deploy service automation in the workplace and there is a focus on the future of work, including robotic process automation, with valuable predictions and critique.

Robotic Process Automation and Risk Mitigation - Mary Cecelia Lacity 2017

The Robotic Process Automation Handbook - Tom Taulli 2020-02-28 While Robotic Process Automation (RPA) has been around for about 20 years, it has hit an inflection point because of the convergence of cloud computing, big data and AI. This book shows you how to leverage RPA effectively in your company to automate repetitive and rules-based processes, such as scheduling, inputting/transferring data, cut and paste, filling out forms, and search. Using practical aspects of implementing the technology (based on case studies and industry best practices), you'll see how companies have been able to realize substantial ROI (Return On Investment) with their implementations, such as by lessening the need for hiring or outsourcing. By understanding the core concepts of RPA, you'll also see that the technology significantly increases compliance – leading to fewer issues with regulations – and minimizes costly errors. RPA software revenues have recently soared by over 60 percent, which is the fastest ramp in the tech industry, and they are expected to exceed $1 billion by the end of 2019. It is generally seamless with legacy IT environments, making it easier for companies to pursue a strategy of digital transformation and can even be a gateway to AI. The Robotic Process Automation Handbook puts everything you need to know into one place to be a part of this wave. What You'll Learn Develop the right strategy and planDeal with resistance and fears from employeesTake an in-depth look at the leading RPA systems, including where they are most effective, the risks and the costsEvaluate an RPA system Who This Book Is For IT specialists and managers at mid-to-large companies

Robotic Process Automation - Richard Murdoch 2018-05-30 Robotics & Cognitive technology is changing the world around you Robotic Process Automation (RPA) is an exciting field that is revolutionizing the way tasks are done. Algorithms are taking over the jobs done by individuals in various markets. RPA is perfect for eliminating redundant, repetitive tasks that are holding you back from working on things that really require your attention. We are on the cusp of a revolution that is going to eliminate a lot of jobs. Rather than wait for your own job to get automated or redundant, we recommend joining the automation revolution and obtaining the skills that will enable further automation. Rise of the RobotsThis is the perfect book for you if you are looking to become an automation consultant - a field that is poised to grow dramatically in the next few years with mass unemployment becoming an increasingly probable reality. Getting into automation by specializing in RPA is an option for people who are programmers as well as non-programmers due to their intuitive design & no-code developer environments. This fascinating book features quick-start advice on how to get going with this powerful technology. We will be looking at deployment strategies, platform selection guidance, RPA project management, programming techniques and automation scenarios across a variety of different applications like Windows, Microsoft Excel, Databases, SAP, etc. Richard provides an overview of multiple, highly rated RPA platforms including Blue Prism, UiPath, Automation Anywhere, Softomotive Winautomation, etc. He also looks at the future of automation and how cognitive technologies, Machine Learning & Artificial Intelligence are expected to dramatically enhance the speed and efficiency of business in the machine age. RPA is being successfully applied to e-commerce, back-office processes, banks, financial service companies, Business Process Outsourcing, etc. Contents include: The evolution of automation technology How RPA is transforming enterprises Overview of RPA Platforms Robot Security RPA Use Cases A must-read for entrepreneurs looking to cut costs at their startup, programmers who

want to stay relevant in a fast-changing world of automation, students or anyone looking to transform their careers, lives and the world around them.

Robotic Process Automation Projects - Nandan Mullakara 2020-05-26 Robotic Process Automation helps businesses to automate systems to reduce human efforts for tasks that are monotonous and can be performed by machines. This project based guide expands on the RPA principles and helps you build automation solutions for the real world using the most popular RPA tools - UiPath and Automation Anywhere Cloud.

Futureproof - Kevin Roose 2022-02-08 "A concise, insightful and sophisticated guide to maintaining humane values in an age of new machines."—The New York Times Book Review "While we need to rewrite the rules of the twenty-first-century economy, Kevin's book is a great look at how people can do this on a personal level to always put humanity first."—Andrew Yang With a new afterword by the author You are being automated. After decades of hype and sci-fi fantasies, artificial intelligence is leaping out of research labs and into the center of our lives. Automation doesn't just threaten our jobs. It shapes our entire human experience, with AI and algorithms influencing the TV shows we watch, the music we listen to, the beliefs we hold, and the relationships we form. And while the age-old debate over whether automation will destroy jobs rages on, an even more important question is being ignored: How can we be happy, successful humans in a world that is increasingly built by and for machines? In Futureproof: 9 Rules for Humans in the Age of Automation, New York Times technology columnist Kevin Roose lays out a hopeful, pragmatic vision for how we can thrive in the age of AI and automation. He shares the secrets of people and organizations that have survived previous waves of technological change, and explains what skills are necessary to stay ahead of today's intelligent machines, with lessons like • Be surprising, social, and scarce. • Resist machine drift. • Leave handprints. • Demote your devices. • Treat AI like a chimp army. Roose rejects the conventional wisdom that in order to succeed in the AI age, we have to become more like machines ourselves—hyper-efficient, data-driven workhorses. Instead, he says, we should focus on being more human, and doing the kinds of creative, inspiring, and meaningful things even the most advanced robots can't do.

Robotic Process Automation Projects - Nandan Mullakara 2020-05-26 Robotic Process Automation helps businesses to automate systems to reduce human efforts for tasks that are monotonous and can be performed by machines. This project based guide expands on the RPA principles and helps you build automation solutions for the real world using the most popular RPA tools - UiPath and Automation Anywhere Cloud.

UiPath Certified RPA Associate (UiRPA) Certification - Practice Question - M J Iqbal 2022-07-24 Certificate Introduction: UiPath is a Top Robotic Process Automation (RPA) Tool. UiPath-certified experts are in great demand and should expect a salary premium of 20 percent compared to non-experts in similar roles.

UiPath Associate Certification Guide - Niyaz Ahmed 2022-06-30 A practical syllabus-based UiPath Associate certification guide to confidently passing your UiPath RPA Associate certification examination, covering real-world business cases, mock tests, and more Key Features: Get certified successfully with this detailed syllabus-oriented examination guide Work with real-world business cases that will help you grasp RPA topics better using practical examples Practice with quizzes and mock exam papers with answers to prepare for the exam confidently Book Description: UiPath is the most popular vendor in the Robotic Process Automation (RPA) industry. If you're an RPA enthusiast or citizen developer who wants to succeed in the industry, achieving this certification can help you get accredited and ready for real-world challenges using UiPath. UiPath Associate Certification Guide offers complete, up-to-date coverage of the UiPath RPA Associate certification exam to help you pass on the first attempt and get certified. The book is written in a clear, succinct way with self-assessment questions, quizzes with answers at the end of each chapter, exam tips, and mock exams with detailed answers and explanations. You'll start by getting to grips with the basic concepts of UiPath RPA, and then progress to an in-depth discussion of all the concepts required for Associate certification. Finally, you'll develop UiPath skills by gaining the required knowledge and implement these skills using sample business cases. By the end of this UiPath book, you'll have covered everything you need to pass the exam, gained the knowledge you need to work on real-world case studies, and

learned how to apply the various concepts to build enterprise-level use cases. What You Will Learn: Get to grips with the basic concepts of UiPath RPA Equip yourself with every resource required to pass the Associate exam on the first attempt Gain the ability to apply what you've learned using real-world use cases Work on different use cases and test your knowledge by taking quizzes Get a feel for the real exam with practice questions and mock exams Understand the concepts used in building enterprise-level use cases Who this book is for: This RPA book is for those in technical and semi-technical roles such as citizen RPA developers, junior RPA developers, RPA developers, solution architects, business analysts, system administrators, college or university students and graduates, and UiPath and partner employees in pre-sales, services, support, and so on. If you are looking to get certified and meet the industry standard with the largest RPA vendor, then this book is for you.
INTELLIGENT AUTOMATION - PASCAL. BARKIN BORNET (IAN. WIRTZ, JOCHEN.) 2020

Robotic Process Automation Using UiPath StudioX - Adeel Javed 2021
Learn about Robotic Processing Automation (RPA) and how to build bots using UiPath. This book uses hands-on examples to explain the basics of UiPath and then walks you through real-world prototypes for testing your knowledge. Organizations around the world are implementing RPA in some capacity, and there is a shortage of RPA developers in the market. Analysts predict that the RPA market size will be worth $4 Billion by 2025. With UiPath as one of the three major players in the RPA market, professionals and students can use this book to get ahead of the curve. This book helps you kick-start your automation journey with a special focus on one of the most popular RPA tools: UiPath. Robotic Process Automation using UiPath explains in detail the various features and functionalities of the RPA platform including development, debugging, and error handling. You will: Create robots from scratch, using one of the market leaders in RPA Develop automation apps and deploy them to all the computers in your department Build, test and perform enterprise automation tasks with UiPath Understand the key building blocks and components of UiPath Apply UiPath programming techniques to deploy robot configurations Review email Automation Automate Excel and PDF interactions.
Business Process Management: Blockchain and Robotic Process Automation Forum - José González Enríquez 2021-08-21
This book constitutes the proceedings of the Blockchain and RPA Forum, held as part of the 19th International Conference on Business Process Management, BPM 2021, which took place during September 6-10, 2021, in Rome, Italy. The Blockchain Forum and the RPA Forum have in common that they are centered around an emerging and exciting technology. The blockchain is a sophisticated distributed ledger technology, while RPA software allows for mimicking human, repetitive actions. Each of these have the potential to fundamentally change how business processes are being orchestrated and executed in practice. The 8 papers presented in this volume were carefully reviewed and selected from a total of 14 submissions.
Learning Robotic Process Automation - Alok Mani Tripathi 2018-03-28
Design RPA solutions to perform a wide range of transactional tasks with minimal cost and maximum ROI Key Features A beginner's guide to learn Robotic Process Automation and its impact on the modern world Design, test, and perform enterprise automation task with UiPath Create Automation apps and deploy them to all the computers in your department. Book Description Robotic Process Automation (RPA) enables automating business processes using software robots. Software robots interpret, trigger responses, and communicate with other systems just like humans do. Robotic processes and intelligent automation tools can help businesses improve the effectiveness of services faster and at a lower cost than current methods. This book is the perfect start to your automation journey, with a special focus on one of the most popular RPA tools: UiPath. Learning Robotic Process Automation takes you on a journey from understanding the basics of RPA to advanced implementation techniques. You will become oriented in the UiPath interface and learn about its workflow. Once you are familiar with the environment, we will get hands-on with automating different applications such as Excel, SAP, Windows and web applications, screen and web scraping, working with user events, as well as understanding exceptions and debugging. By the end of the book, you'll not only be able to build your first software bot, but also you'll wire it to perform various automation tasks with the help of best practices for bot deployment. What you will learn Understand Robotic Process Automation technology

Learn UiPath programming techniques to deploy robot configurations Explore various data extraction techniques Learn about integrations with various popular applications such as SAP and MS Office Debug a programmed robot including logging and exception handling Maintain code version and source control Deploy and control Bots with UiPath Orchestrator Who this book is for If you would like to pursue a career in Robotic Process Automation or improve the efficiency of your businesses by automating common tasks, then this book is perfect for you. Prior programming knowledge of either Visual Basic or C# will be useful.
2021 International Conference on Artificial Intelligence and Smart Systems (ICAIS) - IEEE Staff 2021-03-25
Recent years have witnessed the evolution of Artificial Intelligence AI techniques like deep learning, machine learning, pattern recognition, Natural language processing NLP , and computer vision and their revolutionary applications in the emerging smart city and industrial automation applications In this scenario, AI provides smart and efficient tools for smart energy systems to perform smart electricity generation, emergency response, and delivery The integration of renewable energy sources into the smart grid is made easier by using Artificial intelligence technologies Meanwhile, Machine Learning the subset of Artificial intelligence provides some security and privacy assessment tools to the evolving smart energy grids As Artificial Intelligence AI techniques are still remaining in the initial stage to revolutionize the way we generate, transmit and consume the energy in the smart city and industrial infrastructure

Robotic Process Automation with Automation Anywhere - Husan Mahey 2020-11-24
Discover Automation Anywhere best practices and strategies for building scalable automation solutions for your organization Key FeaturesBuild RPA robots using the latest features of cloud-based Automation Anywhere A2019Explore real-world scenarios with AA A2019 to understand the wide range of capabilities available for your RPA projectsBuild complete software robots to automate business processes with the help of step-by-step walkthroughsBook Description With an increase in the number of organizations deploying RPA solutions, Robotic Process Automation (RPA) is quickly becoming the most desired skill set for both developers starting their career and seasoned professionals. This book will show you how to use Automation Anywhere A2019, one of the leading platforms used widely for RPA. Starting with an introduction to RPA and Automation Anywhere, the book will guide you through the registration, installation, and configuration of the Bot agent and Control Room. With the help of easy-to-follow instructions, you'll build your first bot and discover how you can automate tasks with Excel, Word, emails, XML, and PDF files. You'll learn from practical examples based on real-world business scenarios, and gain insights into building more robust and resilient bots, executing external scripts such as VBScripts and Python, and adding error handling routines. By the end of this RPA book, you'll have developed the skills required to install and configure an RPA platform confidently and have a solid understanding of how to build complex and robust, yet performant, bots. What you will learnExplore effective techniques for installing and configuring an Automation Anywhere A2019 platformBuild software robots to automate tasks and simplify complex business processesDesign resilient bots that are modular and reusableUnderstand how to add error handling functionality and discover troubleshooting techniquesDesign bots to automate tasks in Excel, Word, emails, XML, and PDF filesImplement effective automation strategies using RPA best practicesWho this book is for This Automation Anywhere RPA book is for automation engineers, RPA professionals, and automation consultants who are looking to explore the capabilities of Automation Anywhere for building intelligent automation strategy for enterprises. A solid understanding of programming concepts and exposure to the Automation Anywhere platform is necessary to get started with this book.
Practical Process Automation - Bernd Ruecker 2021-03-16
In today¢??s IT architectures, microservices and serverless functions play increasingly important roles in process automation. But how do you create meaningful, comprehensive, and connected business solutions when the individual components are decoupled and independent by design? Targeted at developers and architects, this book presents a framework through examples, practical advice, and use cases to help you design and automate complex processes. As systems are more distributed, asynchronous, and reactive, process automation requires state handling to deal with long-running interactions. Author Bernd Ruecker demonstrates how to leverage process automation technology like workflow engines to orchestrate software, humans, decisions, or

bots. Learn how modern process automation compares to business process management, service-oriented architecture, batch processing, event streaming, and data pipeline solutions Understand how to use workflow engines and executable process models with BPMN Understand the difference between orchestration and choreography and how to balance both

Business Process Management Workshops - Chiara Di Francescomarino 2020-01-03
This book constitutes revised papers from the twelve International Workshops held at the 17th International Conference on Business Process Management, BPM 2019, in Vienna, Austria, in September 2019: The third International Workshop on Artificial Intelligence for Business Process Management (AI4BPM) The third International Workshop on Business Processes Meet Internet-of-Things (BP-Meet-IoT) The 15th International Workshop on Business Process Intelligence (BPI) The first International Workshop on Business Process Management in the era of Digital Innovation and Transformation (BPMinDIT) The 12th International Workshop on Social and Human Aspects of Business Process Management (BPMS2) The 7th International Workshop on Declarative, Decision and Hybrid approaches to processes (DEC2H) The second International Workshop on Methods for Interpretation of Industrial Event Logs (MIEL) The first International Workshop on Process Management in Digital Production (PM-DiPro) The second International Workshop on Process-Oriented Data Science for Healthcare (PODS4H) The fourth International Workshop on Process Querying (PQ) The second International Workshop on Security and Privacy-enhanced Business Process Management (SPBP) The first International Workshop on the Value and Quality of Enterprise Modelling (VEnMo) Each of the workshops discussed research still in progress and focused on aspects of business process management, either a particular technical aspect or a particular application domain. These proceedings present the work that was discussed during the workshops.

Robotic Process Automation with Blue Prism Quick Start Guide - Lim Mei Ying 2018-11-30
Learn how to design and develop robotic process automation solutions with Blue Prism to perform important tasks that enable value creation in your work Key FeaturesDevelop robots with Blue PrismAutomate your work processes with Blue PrismLearn basic skills required to train a robot for process automationBook Description Robotic process automation is a form of business process automation where user-configured robots can emulate the actions of users. Blue Prism is a pioneer of robotic process automation software, and this book gives you a solid foundation to programming robots with Blue Prism. If you've been tasked with automating work processes, but don't know where to start, this is the book for you! You begin with the business case for robotic process automation, and then move to implementation techniques with the leading software for enterprise automation, Blue Prism. You will become familiar with the Blue Prism Studio by creating your first process. You will build upon this by adding pages, data items, blocks, collections, and loops. You will build more complex processes by learning about actions, decisions, choices, and calculations. You will move on to teach your robot to interact with applications such as Internet Explorer. This can be used for spying elements that identify what your robot needs to interact with on the screen. You will build the logic behind a business objects by using read, write, and wait stages. You will then enable your robot to read and write to Excel and CSV files. This will finally lead you to train your robot to read and send emails in Outlook. You will learn about the Control Room, where you will practice adding items to a queue, processing the items and updating the work status. Towards the end of this book you will also teach your robot to handle errors and deal with exceptions. The book concludes with tips and coding best practices for Blue Prism. What you will learnLearn why and when to introduce robotic automation into your business processesWork with Blue Prism StudioCreate automation processes in Blue PrismMake use of decisions and choices in your robotsUse UI Automation mode, HTML mode, Region mode, and spyingLearn how to raise exceptionsGet the robot to deal with errorsLearn Blue Prism coding best practicesWho this book is for The book is aimed at end users such as citizen developers who create business processes, but may not have the basic programming skills required to train a robot.No experience of BluePrism is required.

Reinventing Jobs - Ravin Jesuthasan 2018-09-18
How to Optimize Human-Machine Work Combinations Your organization has made the decision to adopt automation and artificial intelligence technologies. Now, you face difficult and stubborn questions about how to implement that decision: How, when, and where should we apply

automation in our organization? Is it a stark choice between humans versus machines? How do we stay on top of these technological trends as work and automation continue to evolve? Work and human capital experts Ravin Jesuthasan and John Boudreau present leaders with a new set of tools to answer these daunting questions. Transcending the endless debate about humans being replaced by machines, Jesuthasan and Boudreau show how smart leaders instead are optimizing human-automation combinations that are not only more efficient but also generate higher returns on improved performance. Based on groundbreaking primary research, Reinventing Jobs provides an original, structured approach of four distinct steps--deconstruct, optimize, automate, and reconfigure--to help leaders reinvent how work gets bundled into jobs and create optimal human-machine combinations. Jesuthasan and Boudreau show leaders how to continuously reexamine what a job really is, and they provide the tools for identifying the pivotal performance value of tasks within jobs and how these tasks should be reconstructed into new, more optimal combinations. With numerous examples and practical advice for applying the four-step process, Reinventing Jobs gives leaders a more precise, planful, and actionable way to decide how, when, and where to apply and optimize work automation.

UiPath Administration and Support Guide: Learn Industry-standard Practices for UiPath Program Support and Administration Activities - Arun Kumar Asokan 2022-09-23
Practical explanations that go beyond UiPath official documentation to guide new UiPath support professionals to excel in their workplace Key Features: Get a deep understanding of practical aspects of the UiPath support and administration role Explore real-world UiPath support and administration use cases Details best practices and tips for UiPath support and administration professionals Book Description: UiPath administration, support, maintenance, monitoring, and deployment activities are mandatory and more challenging than developing bots. This is a major issue for many firms that are looking to scale their RPA programs. This book will help in training new UiPath users/resources involved in administration and support tasks to address existing skill gaps in RPA market. The book starts with an introduction to the UiPath Platform. You'll learn how to set up UiPath Platform administration, support, monitoring, reporting, deployment, and maintenance. After that, you'll cover advanced topics, such as, using the orchestrator API for support operations, security, and risk management. In addition to this, best practices for each of the topics will be covered. By the end of this book, you will have the knowledge you need to work on the support and monitoring of UiPath programs of any size. What You Will Learn: Explore the core UiPath Platform design and architecture Understand UiPath Platform support and administration concepts Get to grips with real-world use cases of UiPath support, DevOps, and monitoring Understand UiPath maintenance and reporting Discover best practices to enable UiPath operations scaling Understand the future trends in UiPath platform and support activities Who this book is for: This book is for UiPath support professionals looking to gain a 360-degree perspective of how to perform UiPath support and administration activities and understand different components such as orchestrators, robots, support frameworks, and models. RPA developers will be able to learn UiPath support and administration to add value to their current developer role. RPA CoE leaders who want to set up or improve their UiPath support organization will also benefit from this UiPath book.

Robotic Process Automation Using UiPath StudioX - Adeel Javed 2021
Learn about Robotic Processing Automation (RPA) and how to build bots using UiPath. This book uses hands-on examples to explain the basics of UiPath and then walks you through real-world prototypes for testing your knowledge. Organizations around the world are implementing RPA in some capacity, and there is a shortage of RPA developers in the market. Analysts predict that the RPA market size will be worth $4 Billion by 2025. With UiPath as one of the three major players in the RPA market, professionals and students can use this book to get ahead of the curve. This book helps you kick-start your automation journey with a special focus on one of the most popular RPA tools: UiPath. Robotic Process Automation using UiPath explains in detail the various features and functionalities of the RPA platform including development, debugging, and error handling. You will: Create robots from scratch, using one of the market leaders in RPA Develop automation apps and deploy them to all the computers in your department Build, test and perform enterprise automation tasks with UiPath Understand the key building blocks and components of UiPath Apply UiPath programming techniques to deploy robot configurations Review email Automation Automate Excel and PDF

interactions.

Robotic Process Automation using UiPath StudioX - Adeel Javed
2021-04-02
Learn about Robotic Processing Automation (RPA) and how to build bots using UiPath. This book uses hands-on examples to explain the basics of UiPath and then walks you through real-world prototypes for testing your knowledge. Organizations around the world are implementing RPA in some capacity, and there is a shortage of RPA developers in the market. Analysts predict that the RPA market size will be worth $4 Billion by 2025. With UiPath as one of the three major players in the RPA market, professionals and students can use this book to get ahead of the curve. This book helps you kick-start your automation journey with a special focus on one of the most popular RPA tools: UiPath. Robotic Process Automation using UiPath explains in detail the various features and functionalities of the RPA platform including development, debugging, and error handling. What You'll Learn Create robots from scratch, using one of the market leaders in RPA Develop automation apps and deploy them to all the computers in your department Build, test and perform enterprise automation tasks with UiPath Understand the key building blocks and components of UiPath Apply UiPath programming techniques to deploy robot configurations Review email Automation Automate Excel and PDF interactions Who This Book Is For RPA developers and business users alike, bringing the power and skill set of automation to anyone interested in citizen-led development, specifically UiPath StudioX. The simple exercises and no-code platform require no prior programming or RPA knowledge to follow along with this beginner's guide.

Implementing Oracle Integration Cloud Service - Robert van Molken
2017-01-20
Understand everything you need to know about Oracle's Integration Cloud Service and how to utilize it optimally for your business About This Book The only guide to Integration Cloud Service in the market Focused on practical action to deliver business value A professional's guide to an expensive product, providing comprehensive training, and showing how to extract real business value from the product Who This Book Is For This book is ideal for any IT professional working with ICS, any Oracle application or cloud solution developer or analyst who wants to work with ICS to deliver business value. What You Will Learn Use ICS to integrate different systems together without needing to be a developer Gain understanding of what a number of technologies and standards provide – without needing to understand the fine details of those standards and technologies Understand the use of connectors that Oracle provide from technology based connections such as file and database connections to SaaS solutions ranging from Salesforce to Twitter Enrich data and extend SaaS integration to route to different instances Utilize a number of tools to help develop and check that your integrations work before connecting to live systems Introduce and explain integration concepts so that the integrations created are maintainable and sustainable for the longer term Provide details on how to keep up to date with the features that Oracle and partners provide in the future Get special connections developed to work with ICS In Detail Businesses are built on data, and applications that access that data. In modern businesses the same cloud-based data stores and applications might be accessed by hundreds of different applications from thousands of different devices via APIs. To make this happen, APIs must be wired together i.e. integrated. Oracle Integration Cloud Service provides a complete method for integrating enterprise applications in the cloud. Integration Cloud Service (ICS) provides a cloud hosted means to integrate systems together using a graphical means to define and represent integrations. This book will be a comprehensive, hands-on guide to building successful, high-availability integrations on ICS. This book sets out to demonstrate how ICS can be used to effectively implement integrations that work both in the cloud and on premise. It starts with a fast, practical introduction to what ICS can do for your business and then shows how ICS allows you to develop integrations not only quickly but in a way that means they are maintainable and extensible. Gradually it moves into more advanced integrations, showing how to achieve sophisticated results with ICS and work with external applications. Finally the book shows you how to monitor cloud apps and go beyond ICS to build even more powerful integrated applications. By the end of the book, you will the knowledge on how to use ICS to solve your own integration needs and harness the technologies in a maintainable and sustainable manner. Style and approach This book will take a pragmatic approach and will be a business-focused guide to delivering business value with ICS.

Getting started with RPA using Automation Anywhere - Vaibhav

Srivastava 2021-01-29
Learn RPA using Automation Anywhere with step-by-step practical implementation KEY FEATURES ● Get an overview of different stages in the Business Process Automation ● Learn how to use Automation Anywhere to automate business processes using commands such as Excel, Email, PDF, Database, XML, Web Services etc. ● Learn how to use commands together to automate process flows and standard industry use cases ● Learn how to develop bots in Bot Creator ● Learn to use Citrix AISense to capture objects in Citrix, Virtual Machine and Remote environment DESCRIPTION The book starts by giving an overview of Robotic Process Automation (RPA), its tools, and industry use cases. You will then get familiar with the Automation Anywhere Enterprise components and Architecture. Moving on, you will deep dive into the options provided in a Client application such as recorders, workbench, metabot designer and the types of bots in Automation Anywhere. You will then come across the practical implementation of variables in Automation. The book will then show how to implement commands such as Error Handling, XML, Web Services, FTP, OCR, PGP, String Operation, Files & Folders, etc. You will also get familiar with the working of Workflows and Workflow Manager. Towards the end, the book will teach you how to transfer bots to and from the Web Control Room and schedule bots from the Web Control Room. By the end of the book, you will be able to implement different commands provided in Automation Anywhere. WHAT YOU WILL LEARN ● Understand the fundamentals of Business Process Automation and its stages. ● Use commands such as Excel, PDF, Email, Database, Object Cloning, Loops, If-Else etc. together to create a bot to automate industry use cases. ● Use Variables, MetaBots, IQ bots and Citrix AISense to incorporate features such as Reusability, Cognitive Automation capabilities and Object Capturing in Citrix, Virtual Machine and Remote environment. ● Learn how to create reusable bots using MetaBots ● Develop bots in Bot Creator and upload and schedule them in Web Control Room to be automatically executed on Bot Runner. WHO THIS BOOK IS FOR The book is for anyone who wants to become a RPA developer. Professionals working in this field who want to upgrade themselves will find this book helpful. TABLE OF CONTENTS 1. Chapter 1: Automation Overview 2. Chapter 2: Introduction of RPA 3. Chapter 3: AAE Architecture 4. Chapter 4: Client Application 5. Chapter 5: Variables 6. Chapter 6: Use Cases 7. Chapter 7: Command Library 8. Chapter 8: Metabot 9. Chapter 9: Recorder 10. Chapter 10: Credential Variable 11. Chapter 11: IQ Bot 12. Chapter 12: Workflows 13. Chapter 13: System & Audit Logs 14. Chapter 14: Bot Transfer

Robotics Process Automation - S. Muhkerjee
This Robotics Process Automation book describes the RPA platform for the future of business process automation. More precisely this RPA book has tried to innumerate the followings: 1. RPA that brings speed to your digital transformation. 2. RPA helps to get rid of resource burden and it's consequences. 3. This emphasizes Business process automation must be in the hands forntline. 4. Only Automation Anywhere Enterprise combines consumer-like usability with enterprise-class reliability, and security for RPA that empowers the workforce to automate on their own, in real time. 5. What does RPA mean for business? Optimize labour investment Increase capacity on demand Increase speed and productivity Maximize availability Improve business process compliance Improve controls Improve auditability Enhance security deliver business intelligence Enable digital transformation Improve employee morale 6. Putting RPA to work and deploy your digital workforce in your businesses like insurance, finance, manufacturing and health care and also other. Deploy, manage and audit your Digital Workforce through a highly-intuitive RPA central command center, on-premise or in the cloud. This RPA book also enable you to learn more about AI and machine language also factory automation, safeguard your data, analyze ald predict business performance, streamline your blended anywhere, big data ready for analytics. This book is made for BS/B,TECH and MS/M.TECH/MCA/MBA student who will have in-depth knowledge about RPA and its associated technologies falls in the same platform.

Robotic Process Automation with Automation Anywhere - Husan Mahey 2020-11-24
Discover Automation Anywhere best practices and strategies for building scalable automation solutions for your organization Key features Build RPA robots using the latest features of cloud-based Automation Anywhere A2019 Explore real-world scenarios with AA A2019 to understand the wide range of capabilities available for your RPA projects Build complete software robots to automate business processes with the help of step-by-step walkthroughs Book Description With an increase in

the number of organizations deploying RPA solutions, Robotic Process Automation (RPA) is quickly becoming the most desired skill set for both developers starting their career and seasoned professionals. This book will show you how to use Automation Anywhere A2019, one of the leading platforms used widely for RPA. Starting with an introduction to RPA and Automation Anywhere, the book will guide you through the registration, installation, and configuration of the Bot agent and Control Room. With the help of easy-to-follow instructions, you'll build your first bot and discover how you can automate tasks with Excel, Word, emails, XML, and PDF files. You'll learn from practical examples based on real-world business scenarios, and gain insights into building more robust and resilient bots, executing external scripts such as VBScripts and Python, and adding error handling routines. By the end of this RPA book, you'll have developed the skills required to install and configure an RPA platform confidently and have a solid understanding of how to build complex and robust, yet performant, bots. What you will learn Explore effective techniques for installing and configuring an Automation Anywhere A2019 platform Build software robots to automate tasks and simplify complex business processes Design resilient bots that are modular and reusable Understand how to add error handling functionality and discover troubleshooting techniques Design bots to automate tasks in Excel, Word, emails, XML, and PDF files Implement effective automation strategies using RPA best practices Who this book is for This Automation Anywhere RPA book is for automation engineers, RPA professionals, and automation consultants who are looking to explore the capabilities of Automation Anywhere for building intelligent automation strategy for enterprises. A solid understanding of programming concepts and exposure to the Automation Anywhere platform is necessary to get started with this book.
Migrating to SAP S/4HANA - Frank Densborn 2017

Artificial Intelligence Basics - Tom Taulli 2019-08-01
Artificial intelligence touches nearly every part of your day. While you may initially assume that technology such as smart speakers and digital assistants are the extent of it, AI has in fact rapidly become a general-purpose technology, reverberating across industries including transportation, healthcare, financial services, and many more. In our modern era, an understanding of AI and its possibilities for your organization is essential for growth and success. Artificial Intelligence Basics has arrived to equip you with a fundamental, timely grasp of AI and its impact. Author Tom Taulli provides an engaging, non-technical introduction to important concepts such as machine learning, deep learning, natural language processing (NLP), robotics, and more. In addition to guiding you through real-world case studies and practical implementation steps, Taulli uses his expertise to expand on the bigger questions that surround AI. These include societal trends, ethics, and future impact AI will have on world governments, company structures, and daily life. Google, Amazon, Facebook, and similar tech giants are far from the only organizations on which artificial intelligence has had—and will continue to have—an incredibly significant result. AI is the present and the future of your business as well as your home life. Strengthening your prowess on the subject will prove invaluable to your preparation for the future of tech, and Artificial Intelligence Basics is the indispensable guide that you've been seeking. What You Will Learn Study the core principles for AI approaches such as machine learning, deep learning, and NLP (Natural Language Processing)Discover the best practices to successfully implement AI by examining case studies including Uber, Facebook, Waymo, UiPath, and Stitch FixUnderstand how AI capabilities for robots can improve businessDeploy chatbots and Robotic Processing Automation (RPA) to save costs and improve customer serviceAvoid costly gotchasRecognize ethical concerns and other risk factors of using artificial intelligenceExamine the secular trends and how they may impact your business Who This Book Is For Readers without a technical background, such as managers, looking to understand AI to evaluate solutions.
Building Arduino Projects for the Internet of Things - Adeel Javed 2016-06-11
Gain a strong foundation of Arduino-based device development, from which you can go in any direction according to your specific development needs and desires. You'll build Arduino-powered devices for everyday use, and then connect those devices to the Internet. You'll be introduced to the building blocks of IoT, and then deploy those principles to by building a variety of useful projects. Projects in the books gradually introduce the reader to key topics such as internet connectivity with Arduino, common IoT protocols, custom web visualization, and Android

apps that receive sensor data on-demand and in realtime. IoT device enthusiasts of all ages will want this book by their side when developing Android-based devices. If you're one of the many who have decided to build your own Arduino-powered devices for IoT applications, then Building Arduino Projects for the Internet of Things is exactly what you need. This book is your single resource--a guidebook for the eager-to-learn Arduino enthusiast--that teaches logically, methodically, and practically how the Arduino works and what you can build with it. Written by a software developer and solution architect who got tired of hunting and gathering various lessons for Arduino development as he taught himself all about the topic. For Arduino enthusiasts, this book not only opens up the world of IoT applications, you will also learn many techniques that likely would not be obvious if not for experience with such a diverse group of applications What You'll Learn Create an Arduino circuit that senses temperature Publish data collected from an Arduino to a server and to an MQTT broker Set up channels in Xively Using Node-RED to define complex flows Publish data visualization in a web app Report motion-sensor data through a mobile app Create a remote control for house lights Set up an app in IBM Bluematrix Who This Book Is For IoT device enthusiasts of all ages will want this book by their side when developing Android-based devices.

Tech Trends in Practice - Bernard Marr 2020-04-09
Discover how 25 powerful technology trends are transforming 21st century businesses How will the latest technologies transform your business? Future Tech Trends in Practice will give you the knowledge of today's most important technology trends, and how to take full advantage of them to grow your business. The book presents25 real-world technology trends along with their potential contributions to organisational success. You'll learn how to integrate existing advancements and plan for those that are on the way. In this book, best-selling author, strategic business advisor, and respected futurist Bernard Marr explains the role of technology in providing innovative businesses solutions for companies of varying sizes and across different industries. He covers wide-ranging trends and provides an overview of how companies are using these new and emerging technologies in practice. You, too, can prepare your company for the potential and power of trending technology by examining these and other areas of innovation described in Future Tech Trends in Practice: Artificial intelligence, including machine and deep learning The Internet of Things and the rise of smart devices Self-driving cars and autonomous drones 3D printing and additive manufacturing Blockchain technology Genomics and gene editing Augmented, virtual and mixed reality When you understand the technology trends that are driving success, now and into the future, you'll be better positioned to address and solve problems within your organisation.

Artificial Intelligence in Industry 4.0 - Alexiei Dingli 2021-02-27
This book is intended to help management and other interested parties such as engineers, to understand the state of the art when it comes to the intersection between AI and Industry 4.0 and get them to realise the huge possibilities which can be unleashed by the intersection of these two fields. We have heard a lot about Industry 4.0, but most of the time, it focuses mainly on automation. In this book, the authors are going a step further by exploring advanced applications of Artificial Intelligence (AI) techniques, ranging from the use of deep learning algorithms in order to make predictions, up to an implementation of a full-blown Digital Triplet system. The scope of the book is to showcase what is currently brewing in the labs with the hope of migrating these technologies towards the factory floors. Chairpersons and CEOs must read these papers if they want to stay at the forefront of the game, ahead of their competition, while also saving huge sums of money in the process.

Digital Workforce - Rob King 2018-10-08
Robotic Process Automation (RPA) has grown from a relatively obscure technology that few recognised to significantly disrupting the workforce in just a few short years. Analysts predict the growth will continue exponentially.But what is the truth? How do you distinguish between the hype and the myths that now surround this topic? Whether it's Bill Gates suggesting RPA should be taxed, or predictions of massive job losses, there is a lot of confusion about what RPA really is and what impact it will have.Whatever industry sector you find yourself in, no matter how large or small, you will find that RPA will become the backbone of your future workforce if you are to continue to meet the changing customer demands. There is a need to act quickly and transform your business now or risk being disrupted by those who have already set out on their automation journey.But then we find that between 30%-50% of

automation pilots fail! Statements made by vendors how easy it is to implement RPA are somewhat overstated. However, there are some basic lessons learned that can help you find the right path for your organisation. In this book, I will explain the different types of Robotic Process Automation and how to align your business needs to the solutions available and then start and scale your automation journey. This is not a sheep-dip approach but a carefully considered approach that helps you to align your specific business needs to the right solution and the right business model.Implementing RPA is not easy, but neither should it be too difficult if you follow a well-considered approach.

Sustainable Finance, Digitalization and the Role of Technology - Bahaaeddin Alareeni 2022-07-13
This book constitutes the refereed proceedings of the International Conference on Business and Technology (ICBT2021) organized by EuroMid Academy of Business & Technology (EMABT), held in Istanbul, between 06–07 November 2021. In response to the call for papers for ICBT2021, 485 papers were submitted for presentation and inclusion in the proceedings of the conference. After a careful blind refereeing process, 292 papers were selected for inclusion in the conference proceedings from forty countries. Each of these chapters was evaluated through an editorial board, and each chapter was passed through a double-blind peer-review process. The book highlights a range of topics in the fields of technology, entrepreneurship, business administration, accounting, and economics that can contribute to business development in countries, such as learning machines, artificial intelligence, big data, deep learning, game-based learning, management information system, accounting information system, knowledge management, entrepreneurship, and social enterprise, corporate social responsibility and sustainability, business policy and strategic management, international management and organizations, organizational behavior and HRM, operations management and logistics research, controversial issues in management and organizations, turnaround, corporate entrepreneurship, innovation, legal issues, business ethics, and firm governance, managerial accounting and firm financial affairs, non-traditional research, and creative methodologies. These proceedings are reflecting quality research contributing theoretical and practical implications, for those who are wise to apply the technology within any business sector. It is our hope that the contribution of this book proceedings will be of the academic level which even decision-makers in the various economic and executive-level will get to appreciate.

AI and IoT-Based Intelligent Automation in Robotics - Ashutosh Kumar Dubey 2021-04-13
The 24 chapters in this book provides a deep overview of robotics and the application of AI and IoT in robotics. It contains the exploration of AI and IoT based intelligent automation in robotics. The various algorithms and frameworks for robotics based on AI and IoT are presented, analyzed, and discussed. This book also provides insights on application of robotics in education, healthcare, defense and many other fields which utilize IoT and AI. It also introduces the idea of smart cities using robotics.