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Project Management Economic Appraisal of Transport Projects Loan Guarantees for Large Infrastructure Projects Before and After the Project Starts Early Equipment Management (EEM) Federal Reclamation Projects, Water & Land Resource Accomplishments. Statistical Appendix I, Accomplishments Project Profitability Policy, Program and Project Evaluation Curriculum Projects in Post-primary Schools The Phoenix Project The Big Book of Makerspace Projects: Inspiring Makers to Experiment, Create, and Learn Project Financing: Analyzing And Structuring Projects Afropolitan Projects

A hands-on guide for creating a winning engineering project Engineering Project Management is a practical, step-by-step guide to project management for engineers. The author – a successful, long-time practicing engineering project manager – describes the techniques and strategies for creating a successful engineering project. The book introduces engineering projects and their management, and then proceeds stage-by-stage through the engineering life-cycle project, from requirements, implementation, to phase-out. The book offers information for understanding the needs of the end user of a product and other stakeholders associated with a project, and is full of techniques based on real, hands-on management of engineering projects. The book starts by explaining how we perform the actual engineering on projects; the

techniques for project management contained in the rest of the book use those engineering methods to create superior management techniques. Every topic – from developing a work-breakdown structure and an effective project plan, to creating credible predictions for schedules and costs, through monitoring the progress of your engineering project – is infused with actual engineering techniques, thereby vastly increasing the effectivity and credibility of those management techniques. The book also teaches you how to draw the right conclusions from numeric data and calculations, avoiding the mistakes that often cause managers to make incorrect decisions. The book also provides valuable insight about what the author calls the social aspects of engineering project management: aligning and motivating people, interacting successfully with your stakeholders, and many other important people-oriented topics. The book ends with a section on ethics in engineering. This important book: Offers a hands-on guide for developing and implementing a project management plan Includes background information, strategies, and techniques on project management designed for engineers Takes an easy-to-understand, step-by-step approach to project management Contains ideas for launching a project, managing large amount of software, and tips for ending a project Structured to support both undergraduate and graduate courses in engineering project management, Engineering Project

Management is an essential guide for managing a successful project from the idea phase to the completion of the project. The 5th Edition of Jack Marchewka's Information Technology Project Management focuses on how to create measurable organizational value (MOV) through IT projects. The author uses the concept of MOV, combined with his own research, to create a solid foundation for making decisions throughout the project's lifecycle. The book's integration of project management and IT concepts provides students with the tools and techniques they need to develop in this field. This book adapts a variety of historical art techniques and styles to classroom use in order that students will gain insight into artistic thought and a better understanding of art history. Analysis of 11 projects approved for Section 3 funding. Enamelling is the art of fusing glass onto metal to create colourful designs and is one of the most ancient art methods. This guide covers basic instructions in the technique, how to set up a studio and what equipment is needed and finishes with 12 projects to try. Enriching understanding of the current theoretical debate on project-based learning and R&D sourcing, 'Project-based Knowledge in Organizing Open Innovation' draws on innovation literature and knowledge-based perspectives to solve open problems in the relationship between knowledge development at project level and how firms organize product innovation combining in-house R&D activities with

inbound open innovation. Through field research in different industrial settings (pharmaceutical, automotive and machine tools) and with complementary methodological approaches, this book provides empirical evidence on how project knowledge features affect sourcing decisions at firm level. Due to the emerging interest in the management literature on project-based organizations and on the relevance of project forms of organizing in a knowledge-based economy, this volume will appeal to scholars and students in business and management, in particular those in innovation management, organization theory and strategic management. Addressing the still open issue of how the firm level should be complemented by studies at the project level of analysis, this book provides theoretical and empirical arguments on the advantages of a more fine-grained level of analysis to understand how firms organize their innovation processes across boundaries. Hundreds of billions of dollars are lost globally each year due to project and program failures in virtually all fields. Continued project failures, setbacks and losses have prompted me to question the adequacy of the current concepts, models and practices of project and program management, and to explore opportunities for change. In my view the contemporary approaches do not adequately address the real challenges of planning and delivery of projects and programs of significant size. Evidence from numerous field studies shows that

projects and programs continue to underperform, or fail with massive losses and disillusioned clients and sponsors. Clearly, a fresh perspective and approach is needed to ensure that projects will deliver the outcomes that the stakeholders aspire to. For this to realise, it is imperative that client and sponsor organisations adopt a new mindset, and a vastly different approach to management of projects and programs. It is incumbent upon all client bodies to exercise a hands-on proactive approach, ensure that they understand complexities, and invest in creating the requisite capabilities for planning and management of their projects and programs. I have written this book, together with Volume 2, in a style that can assist both scholars and practitioners to adopt and tailor the contents to suit their needs. My main motivation is to promote a more strategic and integrative approach to planning and delivery of projects and programs of significant size. I have attempted to bring together the key elements of knowledge related to project business and project management, and present these in a consistent and coherent framework, coupled with the relevant processes needed for their practical application. The integrated business and project management (IBPM) approach embodies a fresh perspective, frameworks, processes and tools for strategic planning, development and management of projects and programs of significant size. Stitch up a storm with these new, stash-friendly projects from

every fabric lovers' favorite creative force: Spoonflower. Spoonflower—the design-your-own, print-on-demand fabric company known for its unique designs—presents dozens of brand-new projects designed to be completed in just a few hours. Get inspired and turn your favorite fabric into a lovely garland, stylish tote, children's tent, and all sorts of other accessories for home and fashion. The simple step-by-step instructions are accompanied by templates and pattern pieces. With projects for a wide range of skill sets, this book is perfect for both new and experienced sewists. Designing fabric, wallpaper, and gift wrap used to be the stuff of dreams. Today, Spoonflower's technology allows anyone to affordably create, print, and purchase one-of-a-kind fabric or paper. This book gives managers an integrative approach to project, program, and change management. It describes the differences between change in projects versus programs with case studies in both areas and the different life cycles. While the project and change comprise much of the book, it is up to date with its emphasis on agile, scrum, and benefits. The book also describes methods to both initiate and manage a change and what must be done for success and business value. When capital projects fail to deliver, it is usually not due to technical reasons but a combination of behavioral pitfalls, unclear accountabilities and gaps in design, specification, and/or project-management processes. Early

Equipment Management (EEM): Continuous Improvement for Projects explains how well known and award winning organizations avoid these weaknesses by using: Project road maps setting out clear accountabilities for each step of the concept-to-project-delivery process; Progressive design goals for each step to assure the delivery of low life-cycle costs; Processes to codify tacit knowledge, reveal latent design weaknesses, and build high performance cross-functional team collaboration; Project governance processes that systematically raise their organizations ability to reduce time to market for new assets, products and services with higher added value and fewer resources. Hence the books title of continuous improvement for projects. The word Early in EEM refers to the principle of trapping problems as early as possible in the project process when they are cheapest to resolve. That makes EEM relevant to all projects even those that have past the design stages. To support the use of EEM at any project step, the author has designed each chapter as a standalone topic with cross references to other chapters where relevant. This book:- Explains The six EEM project delivery steps setting out the tasks and accountabilities for project teams, project managers and steering committees at each step; How to organize projects to increase project added value through the collaboration of commercial, operational and technology stakeholders The wiring up behind behaviors that contribute to the failure of

traditional project management approaches and how to avoid those pitfalls; The use of projects as a vehicle for the development of internal talent and increase capital project added value The systematic development of internal capabilities to deliver flawless operation from day one in less time with less resources How raising project governance capability directly impacts on company wide management competence Uses case studies to explain how to implement the EEM methodology and Describes how EEM principles and techniques applied to product and service development (Early Product Management) multiplies the gains from EEM. This book shows readers how and why EEM works so that they can design their own EEM road map and continuous improvement process for projects. Evaluation in recent decades has evolved from a tool for project appraisals to a more widely used framework for public decision-making and operational management. Most evaluation books are focused on traditional tools of analysis such as cost-effectiveness and cost-benefit analysis to the neglect of modern tools such as multi-criteria evaluation, social marginal cost of funds analysis, data envelopment analysis, results-oriented management and evaluation and theory based evaluations. This edited volume provides an easily accessible and comprehensive survey of both traditional and modern tools of analysis that are used in the evaluation literature to evaluate public projects, programs, policies and policy analysis and advice. The

book will be of interest to students, scholars, researchers, practitioners and policy makers. November Project: The Book is the story of how two irreverent, way-outside-the-box fitness fanatics are flipping the fitness industry on its head and literally making the world a better place, one city at a time. No facility. No machines. Just two dudes and a tribe of thousands. Welcome to November Project's world takeover. What started 4 years ago as a simple monthlong workout pact between two former Northeastern University oarsmen in Boston has grown into an international fitness phenomenon. November Project espouses free, public, all-weather, outdoor group sweats that turn strangers into friends and connect everyone to the city in which they live. It's been described as everything from flashmob fitness to "the fight club of running clubs" and a cult. But November Project prides itself on defying categories. In November Project: The Book, Brogan Graham (a.k.a. BG) and Bojan Mandaric, in their own spicy, big-hearted words, chronicle, along with tribe member and writer Caleb Daniloff, their fitness movement's genesis, evolution, operations, membership, "secret sauce," and future—and along the way, show you how you can get fit and societally engaged. The book also includes illustrated workouts; the keys to meaningful civic engagement; information on using your city as a gym; advice on starting an NP tribe; tips on growing, sustaining, and invigorating membership through

social media; and thoughts on the collective power of community. *Over a half-million sold! The sequel, The Unicorn Project, is coming Nov 26*** “Every person involved in a failed IT project should be forced to read this book.”—TIM O’REILLY, Founder & CEO of O’Reilly Media “The Phoenix Project is a must read for business and IT executives who are struggling with the growing complexity of IT.”—JIM WHITEHURST, President and CEO, Red Hat, Inc. Five years after this sleeper hit took on the world of IT and flipped it on it's head, the 5th Anniversary Edition of The Phoenix Project continues to guide IT in the DevOps revolution. In this newly updated and expanded edition of the bestselling The Phoenix Project, co-author Gene Kim includes a new afterword and a deeper delve into the Three Ways as described in The DevOps Handbook. Bill, an IT manager at Parts Unlimited, has been tasked with taking on a project critical to the future of the business, code named Phoenix Project. But the project is massively over budget and behind schedule. The CEO demands Bill must fix the mess in ninety days or else Bill's entire department will be outsourced. With the help of a prospective board member and his mysterious philosophy of The Three Ways, Bill starts to see that IT work has more in common with a manufacturing plant work than he ever imagined. With the clock ticking, Bill must organize work flow streamline interdepartmental communications, and effectively serve the other business functions at Parts**

Unlimited. In a fast-paced and entertaining style, three luminaries of the DevOps movement deliver a story that anyone who works in IT will recognize. Readers will not only learn how to improve their own IT organizations, they'll never view IT the same way again. "This book is a gripping read that captures brilliantly the dilemmas that face companies which depend on IT, and offers real-world solutions."—JEZ HUMBLE, Co-author of Continuous Delivery, Lean Enterprise, Accelerate, and The DevOps Handbook ———— "I'm delighted at how The Phoenix Project has reshaped so many conversations in technology. My goal in writing The Unicorn Project was to explore and reveal the necessary but invisible structures required to make developers (and all engineers) productive, and reveal the devastating effects of technical debt and complexity. I hope this book can create common ground for technology and business leaders to leave the past behind, and co-create a better future together."—Gene Kim, November 2019 Sit back and unwind as you surround yourself in the art (and fun!) of hand embroidery. You'll find 52 projects including tiny treasures, tea towels, small quilts and runners, bags and pouches, and even note cards--all designed to give your hands something beautiful to stitch while you kick back and relax. Gather your favorite threads and flosses, scissors or snips, and a thimble, and prepare to embroider the evening away. Whether it's been a while or you've never embroidered before, you'll find all

you need in this hefty volume packed with pretty projects from your favorite designers like Gail Pan, Robin Kingsley, Kathy Schmitz, Anni Downs, Lynette Anderson, and more. Also you'll have all the information on tools, techniques, and stitches at your fingertips to set you up for success to make any of the featured designs. Put on the kettle, brew a cup of your favorite coffee or tea, and immerse yourself in hand embroidery with this treat for your stitching soul.

Focuses on the glass artist's spectacular large-scale installations. A hilarious, irreverent book about doing your own thing Meet Iggy Peck—creative, independent, and not afraid to express himself! In the spirit of David Shannon's No, David and Rosemary Wells's Noisy Nora, Iggy Peck will delight readers looking for irreverent, inspired fun. Iggy has one passion: building. His parents are proud of his fabulous creations, though they're sometimes surprised by his materials—who could forget the tower he built of dirty diapers? When his second-grade teacher declares her dislike of architecture, Iggy faces a challenge. He loves building too much to give it up! With Andrea Beaty's irresistible rhyming text and David Roberts's puckish illustrations, this book will charm creative kids everywhere, and amuse their sometimes bewildered parents. Also from the powerhouse author-illustrator team of Iggy Peck, Architect, is Rosie Revere, Engineer, a charming, witty picture book about believing in yourself and pursuing your passion. Ada Twist, Scientist, the companion

picture book featuring the next kid from Iggy Peck's class, is available in September 2016. A fabulous collection of science projects, explorations, techniques, and ideas! Looking to wow the judges at the science fair this year? Everyone's favorite science teacher is here to help. Janice VanCleave's A+ Science Fair Projects has everything you need to put together a winning entry, with detailed advice on properly planning your project, from choosing a topic and collecting your facts to designing experiments and presenting your findings. Featuring all-new experiments as well as time-tested projects collected from Janice VanCleave's A+ series, this easy-to-follow guide gives you an informative introduction to the science fair process. You get thirty-five complete starter projects on various topics in astronomy, biology, chemistry, earth science, and physics, including explorations of: * The angular distance between celestial bodies * The breathing rate of goldfish * Interactions in an ecosystem * Nutrient differences in soils * Heat transfer in the atmosphere * Magnetism from electricity * And much more! You'll also find lots of helpful tips on how to develop your own ideas into unique projects. Janice VanCleave's A+ Science Fair Projects is the ideal guide for any middle or high school student who wants to develop a stellar science fair entry. ** Winner AUSTRALIAN BUSINESS BOOK AWARDS - BEST GENERAL BUSINESS BOOK 2020 ** Finalist AUSTRALIAN BUSINESS BOOK AWARDS -

***BEST BOOK 2020 Deliver great projects every time
Projects are the lifeblood of organisations, but many projects fall short of expectations because of poor project management and/or poor project sponsorship. In The Project Book, author and 20-year project management and sponsorship veteran Colin D Ellis teaches you the skills and behaviours required to make your projects succeed, every time. The best projects, whether they are delivered in an agile or waterfall way, are a result of the people that lead them and the environment they create. This fail-safe and comprehensive handbook shows you how to develop the mindset and communication skills to create projects that leave a legacy for you, your team and your organisation. Project leaders and senior managers in all business and technical disciplines will benefit from the insightful guidance this book offers and better project outcomes will result. Split into two parts, individually addressing Project Leaders and Project Sponsors, this book guides large project facilitators to understand the importance of people over processes. become a project leader that people trust build a team culture of collaboration, agility and creativity upskill executives so that they're catalysts for transformation develop the organisational discipline needed for successful projects create a mature environment for your projects to thrive Engaging, informative and humorous, The Project Book will help project managers, project sponsors, scrum masters and***

product owners across all organisations to deliver successful projects in a way that customers will talk about for years. • New York Times bestseller • The 100 most substantive solutions to reverse global warming, based on meticulous research by leading scientists and policymakers around the world “At this point in time, the Drawdown book is exactly what is needed; a credible, conservative solution-by-solution narrative that we can do it. Reading it is an effective inoculation against the widespread perception of doom that humanity cannot and will not solve the climate crisis. Reported by-effects include increased determination and a sense of grounded hope.” —Per Espen Stoknes, Author, What We Think About When We Try Not To Think About Global Warming “There’s been no real way for ordinary people to get an understanding of what they can do and what impact it can have. There remains no single, comprehensive, reliable compendium of carbon-reduction solutions across sectors. At least until now. . . . The public is hungry for this kind of practical wisdom.” —David Roberts, Vox “This is the ideal environmental sciences textbook—only it is too interesting and inspiring to be called a textbook.” —Peter Kareiva, Director of the Institute of the Environment and Sustainability, UCLA In the face of widespread fear and apathy, an international coalition of researchers, professionals, and scientists have come together to offer a set of realistic and bold solutions to climate change. One hundred techniques

and practices are described here—some are well known; some you may have never heard of. They range from clean energy to educating girls in lower-income countries to land use practices that pull carbon out of the air. The solutions exist, are economically viable, and communities throughout the world are currently enacting them with skill and determination. If deployed collectively on a global scale over the next thirty years, they represent a credible path forward, not just to slow the earth's warming but to reach drawdown, that point in time when greenhouse gases in the atmosphere peak and begin to decline. These measures promise cascading benefits to human health, security, prosperity, and well-being—giving us every reason to see this planetary crisis as an opportunity to create a just and livable world. Beyond simplistic binaries of "the dark continent" or "Africa Rising," Africans at home and abroad articulate their identities through their quotidian practices and cultural politics. Amongst the privileged classes, these articulations can be characterized as Afropolitan projects--cultural, political, and aesthetic expressions of global belonging rooted in African ideals. This ethnographic study examines the Afropolitan projects of Ghanaians living in two cosmopolitan cities: Houston, Texas, and Accra, Ghana. Anima Adjepong's focus shifts between the cities, exploring contests around national and pan-African cultural politics, race, class, sexuality, and religion. Focusing particularly on queer sexuality,

Adjepong offers unique insight into the contemporary sexual politics of the Afropolitan class. The book expands and complicates existing research by providing an in-depth transnational case study that not only addresses questions of cosmopolitanism, class, and racial identity but also considers how gender and sexuality inform the racialized identities of Africans in the United States and in Ghana. Bringing an understudied cohort of class-privileged Africans to the forefront, Adjepong offers a more fully realized understanding of the diversity of African lives. A complex world surrounds the project team. Led by a project manager and judged by the board of directors, executives, customers, and employees, it would be tempting to ask why anyone would choose to work within such an environment, let alone encourage and lead the organization on a potentially perilous road. The answer is simple - there is great joy in working with the talented and able participants engaged in a project while pursuing and satisfying the organization's needs. Prescribed procedures are part of project management. It is these procedures that provide stepping stones from where we are today and what we want and expect to be tomorrow. Many procedures and best practices are based on A Guide to the Project Management Body of Knowledge and ISO 21500, Guidance on Project Management. These guides provide best practices and international standards as well as frameworks that are coupled with steps that should be followed to

effectively implement the best practices. However, neither guide discusses how to ensure that people will welcome the results of a project with open arms and embrace wholeheartedly the impact that has been imposed on them. Since people are involved in these projects, their behavior and well-being must be provided for - especially when environmental and procedural changes are being made. Ignoring the psychological and emotional impact on people may result in project failure. It is the project manager's responsibility to examine, understand, and implement best practices, determine the level at which a best practice is used, and accommodate the physical and mental needs of people affected by the projects. Teaches boys and girls ages 8 and up basic carpentry skills through easy-to-make projects: bird feeder, sailboat, tie rack, flower box, and 11 more. Over 100 black-and-white illustrations. This book covers the project financing process from the perspective of a wider and more general group of stakeholders by addressing the three key elements of cash flow; collateral/support structures; and risk management. Following a detailed description of project financing in the first chapter, the authors discuss the project financing process, modelling and risk management, public private partnerships and project financing in practice including the use of the principles in a range of different contexts. A sound understanding of project management is fundamental to successful project

financing, as is the need to have a clear plan for a project to communicate the essential information that different stakeholders require. A successful project financing starts with the different phases of a project and descriptions of the key risk areas include the challenges in estimating the cost of a project and the general principles of financial modelling with a discussion of the unique aspects of financial modelling for different industries. Throughout the book, short recent international case studies are used to illustrate successful and unsuccessful projects allowing the lessons learned to be visible and there are many examples of specific applications of project finance techniques throughout the text. Shop tested expert advice for woodworkers on how to build 50 attractive and functional woodworking projects for all areas of the house from storage for the kitchen and the outdoors, to furniture and heirlooms. An ideal resource for woodworkers looking for a new project or wanting to spruce up their home, this book has plans for projects that can take a few hours, or up to a weekend to complete. Project Profitability explains why opportunities are not realized and offers a framework that will guarantee your teams identify projects that align with your strategy, calculate cash savings appropriately, and realize these cash savings upon implementation. Consultants and internal project teams often make substantial claims about the savings opportunities resulting from their projects. Most of the

time, these claims do not come true. Project Profitability explains why these opportunities are not realized and offers a framework that will guarantee your teams identify projects that align with your strategy, calculate cash savings appropriately, and realize these cash savings upon implementation. Customers of consulting organizations can use this book to keep their consultants honest when savings are promised. Consulting organizations can use this book to help document the value their solutions bring, how much of that value can be realized, and what's necessary to achieve it. If you are a consultant, you do not want to risk having your customer know the content of this book and challenge the value promise! A must-read for any project management professional or student. Projects are the life blood of any organization. Revised to reflect the latest changes to A Guide to the Project Management Body of Knowledge (PMBOK(R)) and the Project Management Professional Exam(R), the fourth edition of The AMA Handbook of Project Management provides readers with a clear overview of a complex discipline. Covering everything from individual projects to programs and strategic alignment, it addresses: Project initiation and planning Communication and interpersonal skills Scheduling, budgeting and meeting business objectives Managing political and resource issues Implementing a PMO Measuring value and competencies. The book compiles essays and advice from the field's top professionals and features new

chapters on stakeholder management, agile project management, program management, project governance, knowledge management, and more. Updated with fresh examples, case studies and solutions to specific project management dilemmas, it remains an essential reference to the critical concepts and theories all project managers must master. 40+ things to invent, draw, and make! Featuring art from the beloved New York Times bestselling picture book, Rosie Revere, Engineer, this activity book contains kid-friendly projects of all kinds and is the perfect gift for curious young readers! Soon enough they'll be engineering whizzes just like Rosie, and along the way she'll reassure them that failure, flops, mess-ups and cross-outs are part of the process. Do you like to make things? Dream up gadgets to improve your life and the lives of others? Then you are ready to join Rosie Revere and become a great engineer! Engineering is persevering, and this book is the perfect place for trying out, crossing out, and trying again. And now you can follow Rosie's further adventures—with her friends Iggy Peck and Ada Twist—in the instant New York Times bestseller Rosie Revere and the Raucous Riveters, an all-new chapter book starring The Questioners! Collect them all! Add these other STEM favorites from #1 New York Times bestselling team Andrea Beaty and David Roberts to your family library today! Rosie Revere, Engineer Ada Twist, Scientist Iggy Peck, Architect Rosie Revere and the Raucous Riveters

Ada Twist and the Perilous Pants Ada Twist's Big Project Book for Stellar Scientists Iggy Peck's Big Project Book for Amazing Architects Gardeners, small farmers, and outdoor living enthusiasts will love this compilation of 76 rustic DIY projects. From plant supports and clotheslines to a chicken coop, a greenhouse, and a root cellar with storage bins, most of the projects are suitable for complete novices, and all use just basic tools and easy-to-find materials. You'll find techniques to build whatever your outdoor world is missing, with additional tips to live sustainably, happily, and independently. An introduction to the application of cost-benefit analysis to transportation investments in developing countries. It's time for serious family fun! Get ready to take playtime to the next level with Dad's Book of Awesome Projects! Inside, you'll find step-by-step instructions and photographs detailing projects so imaginative and fun, no one will complain about turning off the TV. From wooden "swords" to slay the most vicious of dragons to circus stilts that will send you soaring to new heights, these projects are sure to spark everyone's creative spirit. And the fun doesn't stop there! This book shows you and your kids how to build: Comic book shoes Rope swings Homemade goo slime Eggshell cupcakes Ol'-fashioned fruit crate scooter Best of all, each of these activities can be tossed together with items around the house or with inexpensive supplies from the hardware store. With 25

DIY projects and crafts, Dad's Book of Awesome Projects will reveal just how awesome it is to be a dad! Recogee: 1.The need for guarantees - 2.The issue of risk - 3.Experiences of loan guarantees. Start-to-finish, fun projects for makers of all types, ages, and skill levels! This easy-to-follow guide features dozens of DIY, low-cost projects that will arm you with the skills necessary to dream up and build your own creations. The Big Book of Makerspace Projects: Inspiring Makers to Experiment, Create, and Learn offers practical tips for beginners and open-ended challenges for advanced makers. Each project features non-technical, step-by-step instructions with photos and illustrations to ensure success and expand your imagination. You will learn recyclables hacks, smartphone tweaks, paper circuits, e-textiles, musical instruments, coding and programming, 3-D printing, and much, much more! Discover how to create: • Brushbot warriors, scribble machines, and balloon hovercrafts • Smartphone illusions, holograms, and projections • Paper circuits, origami, greeting cards, and pop-ups • Dodgeball, mazes, and other interesting Scratch games • Organs, guitars, and percussion instruments • Sewed LED bracelets, art cuffs, and Arduino stuffie • Makey Makey and littleBits gadgets • Programs for plug-and-play and Bluetooth-enabled robots • 3D design and printing projects and enhancements Delve into practical computer vision and image processing projects and get up to speed with advanced object detection

techniques and machine learning algorithms

Key Features

- Discover best practices for engineering and maintaining OpenCV projects**
- Explore important deep learning tools for image classification**
- Understand basic image matrix formats and filters**

Book Description

OpenCV is one of the best open source libraries available and can help you focus on constructing complete projects on image processing, motion detection, and image segmentation. This Learning Path is your guide to understanding OpenCV concepts and algorithms through real-world examples and activities. Through various projects, you'll also discover how to use complex computer vision and machine learning algorithms and face detection to extract the maximum amount of information from images and videos. In later chapters, you'll learn to enhance your videos and images with optical flow analysis and background subtraction. Sections in the Learning Path will help you get to grips with text segmentation and recognition, in addition to guiding you through the basics of the new and improved deep learning modules. By the end of this Learning Path, you will have mastered commonly used computer vision techniques to build OpenCV projects from scratch. This Learning Path includes content from the following Packt books: *Mastering OpenCV 4 - Third Edition* by Roy Shilkrot and David Millán Escrivá *Learn OpenCV 4 By Building Projects - Second Edition* by David Millán Escrivá, Vinícius G. Mendonça, and Prateek Joshi What

you will learn Stay up-to-date with algorithmic design approaches for complex computer vision tasks Work with OpenCV's most up-to-date API through various projects Understand 3D scene reconstruction and Structure from Motion (SfM) Study camera calibration and overlay augmented reality (AR) using the ArUco module Create CMake scripts to compile your C++ application Explore segmentation and feature extraction techniques Remove backgrounds from static scenes to identify moving objects for surveillance Work with new OpenCV functions to detect and recognize text with Tesseract Who this book is for If you are a software developer with a basic understanding of computer vision and image processing and want to develop interesting computer vision applications with OpenCV, this Learning Path is for you. Prior knowledge of C++ and familiarity with mathematical concepts will help you better understand the concepts in this Learning Path. Get a 360-degree view of digital project management. Learn proven best practices from case studies and real-world scenarios. A variety of project management tools, templates, models, and frameworks are covered. This book provides an in-depth view of digital project management from initiation to execution to monitoring and maintenance. Covering end-to-end topics from pre-sales to post-production, the book explores project management from various dimensions. Each core concept is complemented by case studies and real-world scenarios. The Complete

***Guide to Digital Project Management provides valuable tools for your use such as: Frameworks: governance, quality, knowledge transfer, root cause analysis, digital product evaluation, digital consulting, estimation
Templates: estimation, staffing, resource induction, RACI Models: governance, estimation, pricing, digital maturity continuous execution, earned value management and effort forecast Metrics: project management, quality What You'll Learn Study best practices and failure scenarios in digital projects, including common challenges, recurring problem themes, and leading indicators of project failures Explore an in-depth discussion of topics related to project quality and project governance Understand Agile and Scrum practices for Agile execution See how to apply Quality Management in digital projects, including a quality strategy, a quality framework, achieving quality in various project phases, and quality best practices Be able to use proven metrics and KPIs to track, monitor, and measure project performance Discover upcoming trends and innovations in digital project management Read more than 20 real-world scenarios in digital project management with proven best practices to handle the scenarios, and a chapter on a digital transformation case study Who This Book Is For Software project managers, software program managers, account managers, software architects, lead developers, and digital enthusiasts***

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