

Graduation Project Ideas Proposed By Faculty Members

Interstellar, formerly interplanetary, spacecraft Venture 1 has been contacted by an alien intelligence. The contact is first discovered by a fifteen-year-old high school student while he is doing research for his senior project. Not fully understanding what he has stumbled upon, he enlists the aid of a family friend. The friend, a decorated marine (ret.), Jesuit priest, and systems engineer, guides the young man and his family on a nonstop, action-filled race through a maze of global politics and the streets of Philadelphia in an effort to remain one step ahead of those who want to suppress what may turn out to be the greatest discovery of all time.

PARENTING NEVER ENDS. From the founders of the #1 site for parents of teens and young adults comes an essential guide for building strong relationships with your teens and preparing them to successfully launch into adulthood The high school and college years: an extended roller coaster of academics, friends, first loves, first break-ups, driver's ed, jobs, and everything in between. Kids are constantly changing and how we parent them must change, too. But how do we stay close as a family as our lives move apart? Enter the co-founders of Grown and Flown, Lisa Heffernan and Mary Dell Harrington. In the midst of guiding their own kids through this transition, they launched what has become the largest website and online community for parents of fifteen to twenty-five year olds. Now they've compiled new takeaways and fresh insights from all that they've learned into this handy, must-have guide. Grown and Flown is a one-stop resource for parenting teenagers, leading up to—and through—high school and those first years of independence. It covers everything from the monumental (how to let your kids go) to the mundane (how to shop for a dorm room). Organized by topic—such as academics, anxiety and mental health, college life—it features a combination of stories, advice from professionals, and practical sidebars. Consider this your parenting lifeline: an easy-to-use manual that offers support and perspective. Grown and Flown is required reading for anyone looking to raise an adult with whom you have an enduring, profound connection.

The comprehensive guide to project management implementation, updated with the latest in the field Project management has spread beyond the IT world to become a critical part of business in every sphere; built on efficiency, analysis, and codified practice, professional project management leads to the sort of reproducible results and reliable processes that make a business successful. Project Management Best Practices provides implementation guidance for every phase of a project, based on the real-world methodologies from leading companies around the globe. Updated to align with the industry's latest best practices, this new Fourth Edition includes new discussion on Agile and Scrum, tradeoffs and constraints, Portfolio PMO tools, and much more. Get up-to-date information on the latest best practices that add value at every level of an organization Gain insight from more than 50 project managers at world-class organizations including Airbus, Heineken, RTA, IBM, Hewlett-Packard, Sony, Cisco, Nokia, and more Delve deeper into implementation guidance for Agile, Scrum, and Six Sigma Explore more efficient methodologies, training, measurement, and metrics that boost organization-wide performance Adopt new approaches to culture and behavioral excellence, including conflict resolution, situational leadership, proactive management, staffing, and more Ideal for both college and corporate training, this book is accompanied by an Instructor's Manual and PowerPoint lecture slides that bring project management concepts right into the classroom. As the field continues to grow and evolve, it becomes increasingly important to stay current with new and established practices; this book provides comprehensive guidance on every aspect of project management, with invaluable real-world insight from leaders in the field.

Project Portfolio Management (PPM) goes beyond the typical project management approach to offer a set of proven business practices that can help executives, program managers, and project managers bring projects into alignment with the strategies, resources, and executive oversight of the overall enterprise. Step by step, this book shows how to take a project from the inception of a vision to the realization of benefits to the organization. Project Portfolio Management draws on project management expert Harvey A. Levine's years of research and distills the knowledge and best practices from dozens of leaders in the field to show how to select and implement the projects that will garner the best results. Throughout this important resource, Levine tackles the many challenges associated with PPM, including Ranking value and benefits Determining the size of the portfolio pipeline Assessing the impact of uncertainty on projects and portfolios Understanding the benefit and risk relationship Establishing a portfolio governance capability Managing the portfolio to maximize benefits Implementing PPM

As students prepare to enter the world of work, there are many decisions that they need to make about what type of career they want: Freelancing? Working in a design agency? Setting up their own business? They also need the practical advice about how to work with clients, how to organize themselves, billing, etc. Through interviews with people at all levels of design, the author provides down to earth and straight forward information that is relevant to today's students looking to start a career in design.

This state-of-the-art book explores the implications of contemporary trends that are shaping the future of museum experiences. In four separate sections, it looks into how museums are developing dialogical relationships with their audiences, reaching out beyond their local communities to involve more diverse and broader audiences. It examines current practices in involving crowds, not as passive audiences but as active users, co-designers and co-creators; it looks critically and reflectively at the design implications raised by the application of novel technologies, and by museums becoming parts of connected museum systems and large institutional ecosystems. Overall, the book chapters deal with aspects such as sociality, creation and sharing as ways of enhancing dialogical engagement with museum collections. They address designing experiences – including participatory exhibits, crowd sourcing and crowd mining – that are meaningful and rewarding for all categories of audiences involved. Museum Experience Design reflects on different approaches to designing with novel technologies and discusses illustrative and diverse roles of technology, both in the design process as well as in the experiences

designed through those processes. The trend of museums becoming embedded in ecosystems of organisations and people is dealt with in chapters that theoretically reflect on what it means to design for ecosystems, illustrated by design cases that exemplify practical and methodological issues in doing so. Written by an interdisciplinary group of design researchers, this book is an invaluable source of inspiration for researchers, students and professionals working in this dynamic field of designing experiences for and around museums.

This six-volume-set (CCIS 231, 232, 233, 234, 235, 236) constitutes the refereed proceedings of the International Conference on Computing, Information and Control, ICCIC 2011, held in Wuhan, China, in September 2011. The papers are organized in two volumes on Innovative Computing and Information (CCIS 231 and 232), two volumes on Computing and Intelligent Systems (CCIS 233 and 234), and in two volumes on Information and Management Engineering (CCIS 235 and 236).

Textbooks are symbols of centuries-old education. They're often outdated as soon as they hit students' desks. Acting "by the textbook" implies compliance and a lack of creativity. It's time to ditch those textbooks--and those textbook assumptions about learning. In *Ditch That Textbook*, teacher and blogger Matt Miller encourages educators to throw out meaningless, pedestrian teaching and learning practices. He empowers them to evolve and improve on old, standard, teaching methods. *Ditch That Textbook* is a support system, toolbox, and manifesto to help educators free their teaching and revolutionize their classrooms.

How do firms live through and experience change? The authors examine four high-technology firms, providing a rich analysis of their routines, and illustrating how people are continually engaged with change. The book develops a broader concept of routine, and identifies the persistence of routine practices at a strategic level.

Higher Education in the Arab World *Building a Culture of Innovation and Entrepreneurship* Springer Nature

This book considers the increasing importance of changing structures, organization and management, within multinational corporations.

ePortfolio Performance Support Systems: Constructing, Presenting, and Assessing Portfolios addresses theories and practices advanced by some of the most innovative and active proponents of ePortfolios.

Derek Prinsley graduated in Medicine in 1942. A chance contact he had with a pioneer in geriatric medicine started his own pioneering path in England, Australia and America, where he has developed clear examples of the components of a geriatric medical service. At the University of Melbourne he was appointed to the first Chair of Geriatric Medicine, and he has also been a consultant to the World Health Organisation. In America he was the Mitchell Distinguished Professor of Geriatric Medicine at the University of Texas Medical Branch, where he organised acute medical care of older people. In retirement he suddenly became a full-time 'carer' of disability in the family. Growing, effective support services are now available in the community and in homes. The spread of these good ideas is making the better care of older people in their own surroundings possible.

Project Leadership, the classic, best-selling textbook originally by Wendy Briner, Michael Geddes and Colin Hastings, anticipated so many of the changes in approaches to project management that are now regarded as mainstream - not least the focus on behaviours. The Third Edition by experts Sarah Coleman and Donnie MacNicol has been substantially rewritten, introducing new material and experience reflecting the transformation that has taken place in the world of projects and leadership. *Project Leadership Third Edition* looks at the nature of the leadership role in projects, why it is significant and how it impacts the processes throughout the project life-cycle from shaping and scoping, start up and delivery through to project closure. The authors put considerable emphasis on a set of core capabilities around the themes of vision and strategy, relationship building, communication and engagement. The book also focuses on building personal and organizational project leadership capability including models, tools and diagnostics drawing on experiences of working with projects and organizations from multiple sectors and across the globe. The Foreword and Endorsements have been provided by industry leaders. Sarah Coleman and Donnie MacNicol have retained and built on the wonderful range of simple, imaginative and very applicable models and perspectives developed by the previous authors. Every project leader, aspiring project leader and organization with project management communities should own and use a copy of this book.

Includes lists of doctoral dissertations, 1935/36-

'As a student of international relations and a former diplomat, Zhang brings the insights of a practitioner and the eye of scholar to explain why Chinese actors choose to engage in aid cooperation with traditional donors in the Asia-Pacific. This book is among the first to take a holistic approach to understanding the motivations of the many agencies involved in China's aid program, and it will challenge the expectations of many readers.' —Dr Graeme Smith, The Australian National University 'This book breaks new ground by examining a little-known dimension of China's foreign policy: trilateral aid cooperation. Denghua Zhang sets this highly original analysis in the context of the new assertiveness of Chinese foreign policy under Xi Jinping, the China International Development Cooperation Agency established in 2018, and the Belt and Road Initiative, which now serves as the framework for Chinese overseas aid and engagement. At a time when the debate in the West about the rise of China has intensified, not always knowledgeably, this book fills an important gap in our understanding of China in Southeast Asia and the Pacific.' —Dr Stewart Firth, The Australian National University 'This thoroughly researched work examines trilateral cooperation as a new and interesting aspect of China's growing international aid program, and as a window into the changing nature of that program as well as the wider foreign policy in which it is embedded. The broad themes and topics discussed are clearly significant, ultimately touching on one of the most important international issues of our time, the implications of the rise of China for a long-established Western-dominated international system.' —Prof. Terence Smith-Wesley, University of Hawai'i

Too many organizations are overlooking, or even suppressing, their single most powerful source of growth and innovation. And it's right under their noses. The frontline employees who interact directly with your customers, make your products, and provide your services have unparalleled insights into where problems exist and what improvements and new offerings would have the most impact. In this follow-up to their bestseller *Ideas Are Free*, Alan G. Robinson and Dean M. Schroeder show how to align every part of an organization around generating and

implementing employee ideas and offer dozens of examples of what a tremendous competitive advantage this can offer. Their advice will enable leaders to build organizations capable of implementing 20, 50, or even 100 ideas per employee per year. Citing organizations from around the world, they explain what's needed to put together a management team that can lead the type of organization that embraces grassroots ideas and describe the strategies, policies, and practices that enable them. They detail exactly how high-performing idea processes work and how to design one for your organization. There's constant pressure today to do more with less. But cutting wages and benefits and pushing people to work harder with fewer resources can go only so far. Ironically, the best solution resides with the very people who have been bearing the brunt of these measures. With Robinson and Schroeder's advice, you can unleash a constant stream of great ideas that will strengthen every facet of your organization.

Written by Michael D. Fetters, one of the leading scholars in the field and co-editor of the Journal of Mixed Methods Research, *The Mixed Methods Research Workbook: Activities for Designing, Implementing, and Publishing Projects* is the perfect tool for researchers and doctoral students who want support throughout their research project, as well as a practical way to apply the knowledge they've learned. With *The Mixed Methods Research Workbook*, you'll be ready to tackle your mixed methods research project with confidence. Each chapter follows a familiar framework, starting with learning objectives for each piece of the mixed methods process. Readers have ample space in this text to write notes, fill out activities, and begin their process of actively designing and writing up a mixed methods study. This easy-to follow process gives readers an immediate structure to their projects. Exemplar boxes provide a starting framework, with the text encouraging deeper reflection on mixed methods challenges and opportunities. Stories from the field illuminate struggles and suggestions with the benefit of hindsight. Checklists at the end of each chapter help readers stay organized and key resources provide up-to-date lists of material for further study. From start to finish, readers can follow along with this text as they work on their projects. The text begins by assisting readers in identifying topics and conducting literature reviews in the context of mixed methods, zeroing in to address mixed-methods-specific challenges like integration, leveraging advantages of both qualitative and quantitative methods, and incorporating theory and personal backgrounds. Identifying data sources helps readers organize their data collection. Two chapters on research designs structure the data collection process with procedural diagrams. A unique chapter on mixed methods sampling offers application through basic and advanced designs. The book illustrates integrating and implementing mixed methods designs with practical advice for each of stage of the process. Ethics in a mixed methods context readies readers for the research protocol stage. Several chapters fully explicate the data analysis process, including developing a joint display, a state-of-the-art procedure for analysis and presentation of findings. Closing out the process, the text tackles quality and evaluation in mixed methods studies, preparing your study for publication, and writing up your article.

This book is the first major account of innovation and entrepreneurship in the Arab higher-education sector. It provides an update of the current situation and advances reasons for the under-performance of Arab universities in international ranking tables and the weaknesses of Arab economies. Specific proposals are made for upgrading curricula and assessment procedures as well as providing an environment that fosters innovation and entrepreneurial behaviour. The roles of university-based technology and business parks are examined, with examples of successful business partnerships in the Arab region, Europe, and North America. Opportunities for innovation and entrepreneurship have never been greater with the wealth of rapidly developing transformative technologies that are driving the international knowledge economy. This book puts forward proposals for the management and exploitation of intellectual property, and for establishing businesses.

Effectiveness is the underlying theme for this introduction to disruptive innovation. The book tells the manager, or student, what they need to know in transforming the thinking in an organization to an innovative mindset in the twenty-first century. *Corporate Innovation* explains the four stages of the innovation process, and demonstrates how to improve skills in the innovation process, and unleash personal innovative abilities. This book also presents ways to assess the organization's attitudes toward innovation, providing insights into how to diagnose creative and innovative performance problems in the organization. Beginning with an overview of concepts involved with an innovative organization today, this book explores the fundamental aspects of the individual, the organization and the implementation. An I-Organization is a combination of: I-Skills developed within individuals I-Design thinking functions needed to shape innovation I-Teams that emerge from the HR perspective of structuring the appropriate climate I-Solution needed to provide a foundation for implementing any innovative ideas. Essential reading for students of corporate innovation, corporate ventures, corporate strategy, or human resources, this book also speaks to the specific needs of active managers charged with the expectation of enhancing the innovative prowess of their organization. Instructors' outlines, lecture slides, and a test bank round out the ancillary online resources for this title.

A school leadership model for surviving hyper-change From social media to evolving safety issues to constant school reform, today's school leaders face unprecedented disruption. How can educators prepare students for a globalized world when many institutions are not ready for the constantly changing 21st century? With an eye on the past and a vision for the future, Carter and White draw the blueprint for adapting schools to ever-changing times. • A comprehensive history of disruption in American schools as a lens for understanding accelerated change • Practical exercises and real-life examples for reshaping education in the 21st century • A grounded examination of radical disruptions schools will face in the years to come

This practical handbook offers a comprehensive guide to efficient project management. It pursues a broad, well-structured approach, suitable for most projects, and allows newcomers, experienced project managers and decision-makers to find valuable input that matches their specific needs. *The Project Management Compass* guides readers through various sections of the book; templates and checklists offer additional support. The handbook's innovative structure combines concepts from systems engineering, management psychology, and process dynamics.

This international edition will allow to share the authors' experience gained in many years of project work and over 2,000 project management and leadership seminars conducted for BWI Management Education in Zurich, Switzerland. This is an excellent handbook for practical project management in today's world. Prof. Dr. Heinz Schelle, Honorary Chairman of the GPM (German Project Management Association)The authors' many years in practical experience in setting up, implementing and managing projects shines through in this book. The book also reflects the current trend towards increased social competence. I am therefore pleased to recommend this book as a basis for certification in project management. Dr. Hans Knöpfel, Honorary President of the SPM (Swiss Project Management Association)

This book aims to cover all aspects of teaching engineering and other technical subjects. It presents both practical matters and educational theories in a format that will be useful for both new and experienced teachers.

For many organizations, the way in which processes and projects are selected and executed is a fundamental factor in how well they can prosper in today's marketplace. By improving efficiency, driving productivity and reducing costs, organizations can increase throughput, improve service and bring new products to market faster. The aim of this book is to show how to assess chances of project success at the idea stage in order to direct resources to promising projects and conserve resources. In doing that, it presents effective project execution processes, practices, and experiences that help to select the right projects and do them right. This is a mindset changing book from project speed and cost cutting to discipline, execution excellence, and competitive advantage. It is about effective business development using a practical approach to select the right projects and do them successfully. It describes how to evaluate and predict the likelihood of project success at the idea stage before resources are expended to develop projects. Each chapter describes how to evaluate planned project development and implementation, rate its performance, and identify gaps to be filled to achieve project execution excellence. The book is designed to guide the assessment of each project stage to uncover areas in need of improvement with focus on prediction of project success. Hence, each chapter stands on its own and assesses key elements of project stages to determine how well they are executed. The journey of project execution described is based on predicting project success at the idea stage and begins with understanding differences in large project requirements and their effects on the way they should be done. The evaluation of the idea's origin and reasons for pursuing a project is done with help from an experienced facilitator/moderator. The reason for it is that this individual is engaged to assess likelihood of success from an external, independent, critical, and objective perspective before the project begins.

This practical, accessible guide walks you through the process of designing your own study and writing your research proposal.

Get 12 months FREE access to an interactive eBook when purchasing the paperback* Reflecting the global nature of the workplace with its use of real world examples and case studies, Nick Wilton's book is not another 'How to?' of HRM in practice, but goes beyond the prescriptive approach to the practice of strategic HRM and encourages critical reflection to prepare students for the issues and dilemmas they could face in their careers. Providing an introduction to the management of people in work organizations, it seeks to outline the purpose and operation of HRM activities in the 'real world?', whilst situating practice in the context of associated debates and controversies played out in the parallel field of academic study. It adopts a critical perspective on the study and practice of HRM to provide the reader with an understanding not only of the potential for HRM to contribute to both improved organizational performance and individual well-being in the workplace, but also why it very often fails to achieve either of these positive outcomes and suggests that the management of people is not the exclusive preserve of HR specialists, but an area of interest or concern for all organizational actors. The new edition comes packed with features that encourage readers to engage and relate theory to practice including: - Management skills and attributes boxes outlining the required competencies of line managers and HR practitioners - HR in practice boxes illustrating how HRM theory works in real world practice - Ethical insights presenting ethical considerations for budding practitioners - Global insights highlighting practices around the world - Research insights inviting students to explore further academic research - Case Studies and Examples offering a more in-depth look at HRM across a variety of organizations - A free interactive eBook* featuring author videos, web-links interactive multiple choice questions, free SAGE journal articles, extended case studies and other relevant links, allowing access on the go and encouraging learning and retention whatever the reading or learning style. Aimed at students across the academic spectrum, whether studying on a specialist HRM or CIPD program of study, a generalist business and management programme or studying HRM as part of a programme in an unrelated discipline (such as engineering or humanities). *Interactivity only available through VitalSource eBook included as part of paperback product (ISBN 9781473954199). Access not guaranteed on second-hand copies (as access code may have previously been redeemed).

Multimedia Content Analysis: Theory and Applications covers the latest in multimedia content analysis and applications based on such analysis. As research has progressed, it has become clear that this field has to appeal to other disciplines such as psycho-physics, media production, etc. This book consists of invited chapters that cover the entire range of the field. Some of the topics covered include low-level audio-visual analysis based retrieval and indexing techniques, the TRECVID effort, video browsing interfaces, content creation and content analysis, and multimedia analysis-based applications, among others. The chapters are written by leading researchers in the multimedia field.

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