



# PROJECT MANAGER

## VOL 3

**Project Management Club  
Department of Project Management  
Faculty of Business Studies  
University of Vavuniya**



# Table of Contents

**01**

**Complexities in  
Governing AI-Driven  
Project Task in  
Software Development**

**02**

**The Role of Employee  
Turnover in shaping  
NGO PLC**

**03**

**Project Management  
Practices & Success**

**04**

**Role of Supply Chain  
Management in  
Projects**



# Table of Contents

**05**

**Evolution of Project Management**

**06**

**AI & Construction Project Management**

**07**

**Current & Future Trends of Project Management**

**08**

**Influence of Soft Skills in Project Success**





# About Us

The Project Management Club (PM Club) was established on February 19, 2021, to help students develop their skills and competencies in Project Management. The club encourages active participation, allowing students to lead events and collaborate with other student clubs. Regular activities promote team spirit and practical application of PM concepts and theories, fostering a sense of team spirit.

## OUR VISION

Employable good citizens for Social and Economic Development

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## OUR MISSION

PM students learn effectively and prepare themselves with the guidance of Faculty of Business Studies to mould themselves as both competent graduates and good citizens for contributing to the country's and world's sustainable development

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## GOAL

PM students learn effectively and prepare themselves with the guidance of Faculty of Business Studies to mould themselves as both competent graduates and good citizens for contributing to the country's and world's sustainable development

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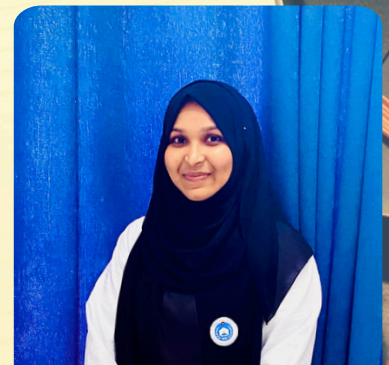
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# MESSAGE FROM VICE CHANCELLOR

**PROFESSOR A. ATPUTHARAJAH**  
**VICE-CHANCELLOR OF**  
**UNIVERSITY OF VAVUNIYA**

Dear Members of the Project Management Club,

It is with great pleasure that I extend my warmest greetings to all the readers of the volume III of the Project Management Magazine. As the Vice Chancellor of the University of Vavuniya, I am immensely proud of the dedication and enthusiasm demonstrated by the Project Management students in establishing this vibrant platform for knowledge sharing and professional growth.

Project management is a critical discipline that drives the successful execution of initiatives across various sectors of the country and the world. The skills and insights you are developing today will undoubtedly shape the future of industries and communities worldwide. This magazine serves as a testament to your commitment to excellence and your proactive approach to learning and innovation.

I commend the Project Management Club for their initiative in creating this magazine, which not only highlights the achievements and activities of our students but also provides valuable resources and perspectives from our students, and academics. It is through such endeavors that we foster a culture of continuous improvement and collaboration.

As you navigate the complexities of project management, remember that the journey is as important as the destination. Embrace challenges as opportunities for growth, and never hesitate to seek guidance and support from your peers and mentors. Your collective efforts will pave the way for a brighter and more sustainable future.

I look forward to witnessing the continued success of the Project Management Club and the impactful contributions of our students to the field of project management. Together, let us strive for excellence and make a positive difference in our nation and the rest of the world.

Professor A. Atputharajah  
Vice-Chancellor  
University of Vavuniya





# MESSAGE FROM DEAN

**PROF. Y. NANTHAGOPAN**  
**DEAN**  
**FACULTY OF BUSINESS STUDIES**  
**UNIVERSITY OF VAVUNIYA**

Dear Members of the Project Management Club,

It is with great pride and enthusiasm that I extend my heartfelt congratulations to the Project Management Club on the launch of this Volume III edition of the Project Management Magazine. This publication is a remarkable achievement and a evidence to the smart work, dedication, and innovative spirit of our Project Management Club and students. The field of project management is ever-evolving and plays a pivotal role in the successful execution of projects across various industries nationally and globally.

As students of the Department of Project Management, you are at the forefront of this dynamic field, equipped with the knowledge, skills, and abilities to lead and manage complex projects effectively. This magazine serves as a platform for you to share your insights, experiences, and achievements with a broader audience. It is an excellent opportunity to showcase the diverse talents and perspectives within our community and to foster a culture of continuous learning and professional development. I commend the Project Management Club for their initiative in creating this magazine. It not only highlights the academic and extracurricular accomplishments of our students but also provides valuable resources and industry insights that will benefit all readers.

Your efforts in bridging the gap between academic learning and practical application are truly commendable. As you continue your journey in the field of project management, I encourage you to embrace the challenges and opportunities that come your way. Stay curious, stay motivated, and always strive for excellence. Remember that the skills you are developing today will shape the future of project management and contribute to the success of organizations worldwide. I look forward to seeing the continued growth and success of the Project Management Club and the impactful contributions of our students to the field of project management. Together, let us build a brighter future and make a positive difference in the world.

Professor Y. Nanthagopan  
Dean  
Faculty of Business Studies  
University of Vavuniya





# MESSAGE FROM HEAD

**MRS.S.MATHIVATHANY**  
**HEAD**

**DEPARTMENT OF PROJECT MANAGEMENT**  
**FACULTY OF BUSINESS STUDIES**  
**UNIVERSITY OF VAVUNIYA**

Dear Members of the Project Management Club,

It is with much delight that I inform you in this edition of the Project Management Magazine – The Project Manager, Volume III. This publication is a momentous landmark for our department and a testimony to the hard work, creativity, and dedication of our Project Management students. Project management is a cornerstone of successful organizational operations, and the skills you are honing today will be instrumental in shaping the future of various industries throughout the country and world. The establishment of this magazine is a commendable initiative that provides a platform for sharing knowledge, experiences, and innovative ideas within our community. I am particularly impressed by the collaborative spirit and the drive for excellence that the Project Management Club has demonstrated. This magazine not only showcases the academic and extracurricular achievements of our students but also serves as a valuable resource for insights and best practices in the field of project management.

As you continue to explore the complexities and challenges of project management, I encourage you to remain curious and open-minded. Embrace the opportunities for learning and growth that come your way, and do not hesitate to seek guidance from your peers, mentors, and industry professionals. Your journey in project management is just beginning, and the experiences you gain here will serve as a strong foundation for your future careers.

I anticipate to seeing the constant achievements of the Project Management Club and the vivid contributions of our students to the field of project management. Let us hope working together to build a community of excellence and innovation that will make a positive difference in the world.

Mrs. Mathivathany Sasitharan  
Head,  
Department of Project Management  
Faculty of Business Studies,  
University of Vavuniya





# MESSAGE FROM

## SENIOR TREASURER

**SENIOR LECTURER IN PROJECT  
MANAGEMENT**  
**SENIOR TREASURER**  
**PROJECT MANAGEMENT CLUB**  
**DEPARTMENT OF PROJECT MANAGEMENT**  
**FACULTY OF BUSINESS STUDIES,**  
**UNIVERSITY OF VAVUNIYA**

Dear Readers,

With great pleasure, I extend my warmest greetings to all of you as we unveil the third volume of "The Project Manager," the official magazine of the Project Management Club of the Department of Project Management, Faculty of Business Studies, University of Vavuniya. As the Senior Treasurer, I have had the privilege of witnessing our club's remarkable growth and achievements. This magazine stands as a testament to our members' dedication, creativity, and hard work. Each edition not only showcases our students' academic and professional prowess but also serves as a platform for sharing innovative ideas, best practices, and the latest trends in project management.

In this volume, you will find a diverse array of articles that reflect the dynamic nature of our field. From exploring cutting-edge project management methodologies to discussing the challenges and opportunities in various industries, our contributors have provided valuable insights that will undoubtedly enrich your knowledge and inspire your professional journey. I want to take this opportunity to express my heartfelt gratitude to the editorial team, contributors, and all those who have supported the publication of this magazine. Your

unwavering commitment and enthusiasm have made this endeavour a resounding success. As we continue to navigate the complexities of the modern business landscape, it is essential to remain adaptable, innovative, and resilient. I encourage all members to actively participate in the club's activities, engage with the content of this magazine, and leverage the knowledge shared within these pages to excel in their academic and professional pursuits.

Thank you for your continued support and dedication to the Project Management Club. Together, let us strive for excellence and make a lasting impact in project management.

Mr. S. N. V. S. Thirugnanasampanthar  
Senior Lecturer in Project Management  
Senior Treasurer  
Project Management Club  
Department of Project Management  
Faculty of Business Studies, University of Vavuniya





# MESSAGE FROM PRESIDENT

**W.G.R.C.GUNARATHNA**  
**PRESIDENT**  
**PROJECT MANAGEMENT CLUB**

Dear Readers,

It is with immense pleasure and pride that I present the third volume of our Project Management Club magazine. Over the past few months, our club has grown tremendously, taking bold strides in fostering a culture of learning, innovation, and collaboration among aspiring project managers at the University of Vavuniya.

Volume 3 reflects the tireless efforts of our members, faculty advisors, and partners in bringing meaningful activities and initiatives to life. We have continued to uphold our commitment to bridging academic theory with real-world practice. From hosting insightful workshops, such as the recent session on "Project Management Principles, Trends, and Opportunities," to engaging in community-building projects that promote social harmony and development, the club has been a hub of dynamic and impactful endeavors.

This magazine encapsulates not just the activities of the past year, but the spirit of teamwork and leadership that defines us. We have worked together to create opportunities, solve challenges, and contribute positively to our campus and community. Each page of this volume stands as a testament to the dedication and passion of our members who continually strive for excellence.

I would like to extend my heartfelt thanks to everyone who has supported our journey. Whether you are a member, advisor, or supporter, your contributions have been invaluable. As we move forward, I am confident that the Project Management Club will continue to grow in strength and ambition, shaping the next generation of project management professionals.

Let's keep pushing boundaries, setting higher standards, and inspiring one another as we navigate the future together.

W.G.R.C.GUNARATHNA  
President  
Project Management Club  
University of Vavuniya





# MESSAGE FROM CHIEF EDITOR

**A.F. FATHIMA FARHA**  
**CHIEF EDITOR**  
**PROJECT MANAGEMENT CLUB**

Dear Readers,

Welcome to Volume 3 of "The Project Manager." We are excited to bring you this edition, which explores the evolving landscape of project management. In today's fast-paced world, it's essential to stay updated on the latest trends and methodologies.

This volume highlights the integration of agile methodologies and digital tools, which are crucial for project managers aiming to improve their effectiveness. These approaches enhance flexibility, collaboration, and innovation, enabling teams to respond quickly to changes and stakeholder needs.

You will find valuable insights from industry leaders and practitioners, along with case studies showcasing the successful application of agile principles and technology in real projects. These examples can serve as a guide for implementing similar strategies in your work.

Additionally, we emphasize the importance of data-driven decision-making. With the increasing availability of data, the ability to analyze and use this information effectively will set project managers apart. We discuss various tools and techniques to help you leverage data for better project outcomes.

Our goal is to provide you with practical knowledge and inspiration that you can apply to your projects. We encourage you to explore the articles and consider how to implement these insights in your own work.

Thank you for your continued support of "The Project Manager." We hope this volume informs and empowers you to tackle the challenges of today's projects with confidence.

A.F.FATHIMA FARHA  
CHIEF EDITOR  
PROJECT MANAGEMENT CLUB



## **IRRELEVANT DECISION- MAKING AND THE RISK OF ERRORS**

AI tools, though powerful, can sometimes offer irrelevant or inaccurate recommendations, leading to errors in project management. Decisions around task prioritization, resource allocation, or risk mitigation often require contextual understanding that AI may lack, especially in areas like socio-cultural risks involving human behavior. While AI is effective in managing technical risks through data analysis, its limitations require project managers to critically assess AI-generated advice. Without careful evaluation, poor decisions can occur, causing delays or failures. Therefore, effective AI governance should combine AI with human oversight to ensure recommendations are properly assessed before implementation.

## **DIFFICULTIES IN ADOPTING AI TECHNOLOGY**

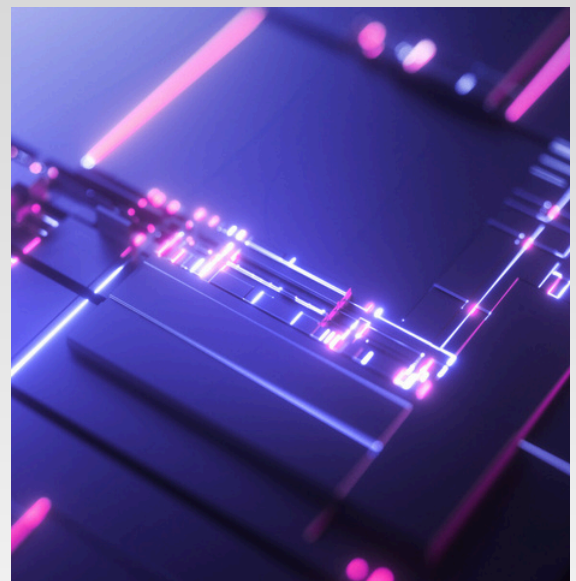
A key challenge in AI governance for project management is the difficulty some team members face in adopting new technologies. Although AI can streamline tasks, many employees may resist using these tools due to a lack of familiarity, preferring traditional methods they are comfortable with. This resistance is more common in smaller companies, which often lack the resources to invest in advanced AI tools used by larger competitors, putting them at a competitive disadvantage. To close this gap, companies need to invest in AI training and development, ensuring employees have the skills to use AI effectively. AI governance strategies must prioritize education and make AI tools accessible to all users.

## **THREATS TO CREATIVITY AND CLIENT SATISFACTION**

A key concern with AI in project tasks is that it might limit creativity in software development. AI follows data-driven methods but often lacks the flexibility needed to meet unique client needs. In project management, it's important to understand a client's vision and create solutions tailored to their goals, something that requires direct communication and human insight. AI may not fully understand these complex needs, and relying too much on it could result in losing the personal touch that ensures client satisfaction. To make AI work well, it's important to find a balance where human creativity and interaction can grow alongside AI technology.

## **CONCLUSION**

AI governance in project management faces several key challenges, including concerns about job loss, over-reliance on AI, reduced human interaction, and AI's limitations with complex tasks. To make AI work effectively, companies must invest in training employees, ensuring that AI supports, rather than replaces, human roles. It's important to balance AI use with human expertise to boost productivity without compromising creativity or client satisfaction. Addressing these issues will allow AI and human collaboration to drive successful project outcomes.



MISS. S. SHARANGI  
ASSISTANT LECTURER  
DEPARTMENT OF PROJECT MANAGEMENT  
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UNIVERSITY OF VAVUNIYA





# EMPLOYEE TURNOVER IN SHAPING NGO PROJECT *Lifecycle*



EMPLOYEE  
TURNOVER

E

mployee turnover is the ratio of employees who have left an organization within a specific period to the average number of employees C, Dodanwala, & Djoen San Santoso (2021).

Employee turnover occurs in two forms: voluntary and involuntary. Involuntary turnover happens when the employee has no control over their job termination and can result from dismissals, retrenchment, long-term illness, retirement, mental disability, physical disability, or death. E & Ikemefuna C. O (2012). Voluntary turnover occurs when the employee leaves the job G.G & Shaw. J.D (2001). Voluntary turnover occurs when an employee decides to quit their job after evaluating the causes and consequences of their decision.

12



I n the project lifecycle, there are five stages: initiation, planning, execution, monitoring and controlling, and closing PMI (2017). According to Veranita and Christoper (2021), the initiation stage involves defining the project at a broad level.

Key activities in this stage include developing the project charter, identifying stakeholders, and setting initial project objectives. During the planning stage, detailed planning outlines the roadmap for achieving project goals and includes defining the scope, setting timelines, allocating resources, creating a budget, and developing risk management plans Zhang (2016).

PROJECT  
LIFECYCLE



The execution stage is where the project plan is put into action. Tasks are assigned, teams are coordinated, and resources are utilized to carry out project activities. The monitoring and controlling stage involves tracking ongoing project performance, measuring progress using key performance indicators, managing changes, and addressing any issues or risks that arise. PMI (2017). In the closing stage, the project is finalized and formally closed and includes completing all project deliverables, obtaining stakeholder approval, releasing project resources, and conducting a post-project review. Shariful, Nazim, & Mahfuzul (2011).



## EMPLOYEE TURNOVER

A high staff turnover rate harms organizations' smooth operation, negatively impacting growth, profitability, beneficiary satisfaction, and overall reputation. According to Zhang (2016) and Aruna Jayathilaka & Mohamed Ansari (2021), the factors influencing employee turnover can be categorized into three groups: personal factors (such as age, gender, educational level, marital status, years of experience, and individual abilities and responsibilities), organizational and workforce factors (including organizational culture and system, compensation and promotion, employee involvement, and personal work attitude), and social and economic factors (such as the level of societal, economic development, labor market conditions, job opportunities, transportation, and cost of living).



### *Addressing the Adverse Effects of Employee Turnover on Project Lifecycle*

Employee turnover affects all project stages, including initiation, planning, execution, monitoring and controlling, and closing. We can rank the stages of employee turnover in order of impact: execution, planning, monitoring and controlling, initiation, and closing. The execution stage is significantly impacted by employee turnover. High turnover rates can reduce team morale and cohesion, negatively affecting collaboration and productivity. Project managers must dedicate additional time to requirements, training, and task reassignment, which diverts their focus from strategic project oversight.



During this period, managers should engage in activities to mitigate the impact; ensuring continuity of work becomes challenging, particularly for complex tasks that demand a deep understanding of prior efforts. Maintaining consistent standards and practices is also tricky with frequent staff changes.

During the closing stage, employee turnover can have significant effects, including losing valuable knowledge and expertise, incomplete documentation, unresolved issues, and gaps in understanding how to operate or maintain the project deliverables. To mitigate these effects, managers should implement several vital activities. They should develop a transition plan that outlines how roles and responsibilities will be transferred. Additionally, it is essential to provide extra support and mentorship to new team members and pair them with experienced colleagues who can guide them through the project closing stage.

During the initiation stage, employee turnover can significantly impact an organization. The costs of recruiting new employees such as advertising, interviewing, and hiring can be substantial. Frequent turnover disrupts team dynamics, making it challenging for teams to work effectively. High turnover rates, particularly during this stage, can also damage an organization's reputation as an employer, making it difficult to attract top talent. Employee turnover can significantly impact a project in the monitoring and controlling stage. The departure of employees may lead to the loss of valuable information, potentially disrupting project continuity. This turnover can create communication gaps, misunderstandings, and breakdowns in information flow, which negatively affect decision-making and project coordination.

14

Employee turnover can significantly impact a project in the monitoring and controlling stage. The departure of employees may lead to the loss of valuable information, potentially disrupting project continuity. This turnover can create communication gaps, misunderstandings, and breakdowns in information flow, which negatively affect decision-making and project coordination. To mitigate these effects, managers should engage in the following activities: foster a positive team culture and encourage open communication; implement team-building activities to help integrate new members and maintain cohesion; conduct regular check-ins; provide opportunities for team members to prepare for future responsibilities; and utilize project management tools, such as Trello, Asana, or Microsoft Project, to track progress, tasks, and documentation.



# Project Management Practices & Project Success



Project management involves the application of knowledge, skills, tools, and techniques to project activities to meet specific requirements. The link between effective practices and successful outcomes is critical for organizations aiming to deliver value through their projects. In an increasingly complex environment, understanding and implementing best practices in project management can lead to improved efficiency and effectiveness.



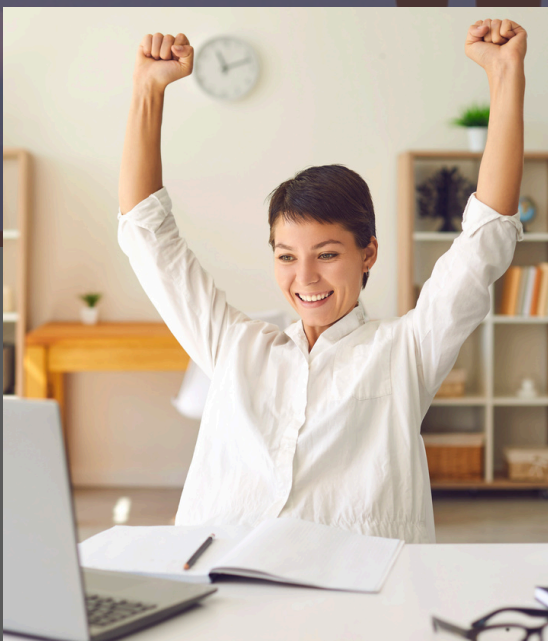
## Key Project Management Practices

### Clear Goals and Objectives

Establishing measurable goals is the foundation of successful project management. Clear objectives ensure alignment and focus among team members, providing a common direction. For instance, in a construction project, defining objectives such as timelines, budget limits, and quality standards helps guide the team's efforts.

### Comprehensive Planning

A detailed project plan serves as a roadmap for project execution. This plan should outline timelines, resource requirements, and risk management strategies. Comprehensive planning allows project managers to anticipate challenges and allocate resources efficiently. For example, a public library project might include phases like site selection, design, and community engagement.





## **Stakeholder Engagement**

Identifying and involving stakeholders early in the project fosters support and alignment with community needs. Engaging stakeholders, such as local residents and government officials, can enhance project buy-in and ensure that the project meets its intended goals. Regular updates and feedback sessions help maintain transparency and build trust.

## **Risk Management**

Proactively identifying and managing risks is essential for project success. A risk management plan should outline potential risks, their impact, and mitigation strategies. By preparing for uncertainties, project managers can minimize disruptions and maintain project momentum. For example, recognizing potential funding shortfalls and having contingency plans can keep a project on track.

## **Resource Management**

Efficient allocation and utilization of resources are vital for project execution. This includes human resources, finances, and materials. Understanding the strengths of team members and securing adequate funding can lead to better project outcomes. For instance, ensuring skilled contractors are available for a construction project can improve quality and efficiency.

## **Conclusion**

Adopting structured project management practices significantly improves project success rates. By focusing on key areas such as goal setting, comprehensive planning, stakeholder engagement, and risk management, organizations can enhance their project outcomes. Ultimately, effective project management leads to greater stakeholder satisfaction and contributes to the long-term success of organizations.



## **Effective Communication**

Clear communication channels facilitate collaboration among project team members and stakeholders. Regular updates, feedback sessions, and transparent reporting help maintain alignment and address issues promptly. Effective communication fosters a culture of teamwork and accountability, which is essential for project success.

## **Monitoring and Control**

Continuous monitoring of project progress against the plan allows project managers to identify deviations early and implement corrective actions. Utilizing project management software can enhance tracking capabilities, making it easier to stay on schedule and within budget. Regular performance reviews can help adjust strategies as needed..

**A.F.Fathima Farha**  
**3rd Year Student**  
**Department of**  
**Project**  
**Management**



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# The Role of Supply Chain Management In PROJECTS

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In today's interconnected business landscape, the relationship between supply chain management (SCM) and project management has become increasingly crucial. Effective SCM is vital for ensuring that projects are delivered on time, within budget, and to the required quality standards. This article explores the significant role of SCM in project management and how it contributes to overall project success.

Supply Chain Management (SCM) plays a crucial role in the success of project execution by ensuring resource availability, optimizing costs, and mitigating risks. One of its primary functions is to guarantee the timely procurement of materials, equipment, and services necessary for projects. A well-structured supply chain enables project managers to effectively plan by providing critical insights into lead times, availability, and potential supply constraints. By maintaining optimal inventory levels and fostering strong relationships with suppliers, SCM reduces the likelihood of disruptions caused by resource shortages. Furthermore, SCM has a significant impact on a project's cost structure; organizations can lower procurement costs through favorable contract negotiations, optimized transportation routes, and bulk purchasing strategies. This proactive approach allows project managers to identify cost-saving opportunities while ensuring budgetary control throughout the project lifecycle. Additionally, risk mitigation is an integral aspect of SCM, as it involves identifying potential risks such as supplier delays or quality issues and developing contingency plans to address them. By diversifying suppliers and maintaining a flexible supply chain, project managers can effectively minimize the impact of unforeseen disruptions, ultimately ensuring project resilience and success.







In the symphony of project management, where timelines dance to the melody of milestones, the seamless integration of supply chain management (SCM) becomes the conductor's baton, orchestrating harmony among diverse elements. By weaving SCM into the fabric of project planning, project managers transform a mere framework into a flowing tapestry, anticipating resource needs as if reading the tealeaves of logistics—each sip revealing hidden insights in the swirling depths of delivery complexities. As metrics and performance indicators unfurl like sails catching the winds of change, the art of continuous improvement emerges, steering the ship toward efficiency and agility amidst stormy seas of variable conditions. Moreover, in this modern age where sustainability is the golden thread binding conscientious practice and reputation, project managers find in their supplier selections not just a choice, but a philosophical commitment—a pledge to nurture the planet even as projects bloom and prosper. Thus, in this grand tableau of supply chains and project execution, the unexpected twist beckons: the successful project is not just about reaching the destination, but truly savoring the journey, all while ensuring that each step leaves a footprint that whispers, "We were here for a reason."

The role of supply chain management in project management is multifaceted and critical for achieving project objectives. By ensuring resource availability, optimizing costs, mitigating risks, and enhancing collaboration, SCM significantly contributes to the success of projects. As the business environment continues to evolve, the integration of SCM and project management will remain essential for organizations striving to deliver high-quality projects efficiently and sustainably. Embracing this relationship will ultimately lead to greater competitive advantage and improved project outcomes.





# EVOLUTION of PROJECT MANAGEMENT

## Modern Father Of Project Management "HENRY GANTT"

( Henry Gantt's Brief History And Contributions )

### Early Career:

- Gantt began his career at Midvale Steel before leaving in 1893, where he contributed to improving industrial operations.

### Gantt Chart:

- He invented the Gantt Chart, a key tool for visualizing project schedules, which is still widely used in project management.

### Consulting and Productivity Improvements:

- Gantt created systems to boost worker productivity by offering bonuses for completed tasks.

### Trade Association (1916):

- He founded a trade association to promote industrial efficiency, influenced by Thorsten Veblen.

### Management Philosophy:

- Gantt pushed for cooperative, knowledge-based management instead of strict control.

### Critique of Traditional Management:

- Gantt criticized inefficient traditional management practices and called for a more collaborative approach.

### Publications:

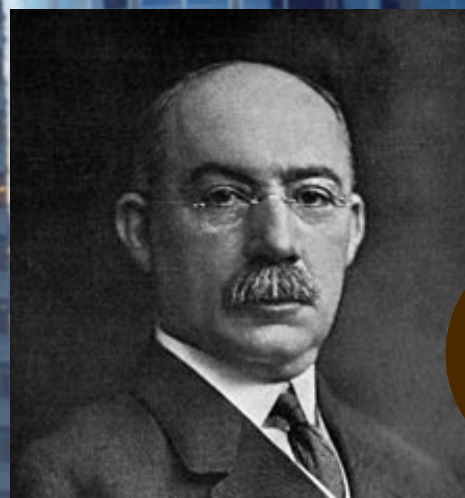
- He wrote books like Organizing for Work and Work, Wages, and Profits, focusing on improving labor and management practices.

## History of Project Management Ancient Civilization:

- Early project management principles can be seen in the construction of large structures like the Pyramids of Giza and Roman aqueducts, which required careful planning and labor organization.

### Industrial Revolution:

- During the 18th and 19th centuries, engineers like Isambard Kingdom Brunel and Robert Stephenson formalized project management with systematic approaches for large engineering projects like railways and factories.





### **Early 20th Century:**

- Frederick Taylor introduced scientific management, focusing on improving efficiency. Henry Gantt's Gantt Chart helped with visualizing project timelines.

### **Mid-20th Century:**

- Complex projects like those in aerospace and defense led to the development of methods like Critical Path Method (CPM) and Program Evaluation and Review Technique (PERT), which helped in scheduling and managing large projects.

### **Late 20th Century:**

- Project management became a recognized profession, with organizations like the Project Management Institute (PMI) establishing standard practices, such as the Waterfall methodology, which followed a step-by-step process.

## **Evolution of Project Management**

### **Waterfall Method (Traditional):**

- The Waterfall approach follows a linear, step-by-step process, with phases like planning, design, and implementation. It was used for projects like the Hoover Dam. However, it lacks flexibility when changes are needed.



### **Agile Method (Modern):**

- Agile emerged in the 1990s, focusing on flexibility, collaboration, and continuous improvement. Agile is popular in software development, allowing teams to adjust quickly based on user feedback. Companies like Spotify and Amazon use Agile to stay competitive.

### **Hybrid Approaches:**

- Today, many projects use a combination of Waterfall and Agile, blending structured planning with flexibility. A good example is the London Cross Rail project, which uses both approaches to handle its complexity.



## Success Metrics

- Success in project management is often measured by whether the project is completed on time, within budget, meets quality standards, satisfies stakeholders, and achieves its goals.
- Projects can face issues like scope creep (project growing beyond original goals), lack of resources, communication breakdowns, and poor risk management. Good planning and clear governance help address these challenges.
- Project management has been transformed by tools like project management software, AI, and collaboration platforms, which make it easier to manage projects and make decisions.
- Successful project management requires learning from past mistakes, adopting new practices, and improving over time to keep up with changing needs.

## Summary

Project management has evolved from ancient times to today, with innovations like the Gantt Chart and Agile methods. It continues to change with technology and learning from past projects. Success depends on clear planning, flexibility, and effective use of modern tools.



**A.G.M.G.M.I. Akeel Ahmed**  
**1st Year Student**  
**Department of Project**  
**Management**



# ARTIFICIAL INTELLIGENCE & CONSTRUCTION PROJECT MANAGEMENT

## Introduction

Artificial Intelligence (AI) is revolutionizing construction management by optimizing project planning, enhancing decision-making, automating tasks, improving safety, and increasing efficiency, ultimately transforming the industry's productivity and outcomes.

## What does it mean by AI?

AI refers to the simulation of human intelligence in machines that are programmed to think and learn like humans.

AI applications range from virtual assistant and recommendation systems to autonomous vehicles and robotics.

## Role of AI in Construction Project Management

Artificial Intelligence (AI) significantly influences construction project management by enhancing efficiency, accuracy, and decision-making processes. AI-powered tools can analyze vast amounts of data to optimize project planning and scheduling, reducing delays and cost overruns. AI-driven software improves resource allocation, ensuring materials and labor are used optimally. Additionally,



# How AI Influences Construction Project Managers?

**T**he integration of AI with Building Information Modeling (BIM) allows for advanced simulations and visualizations, improving design accuracy and project outcomes. Overall, AI transforms traditional construction project management into a more streamlined and data-driven process.

For construction project managers, AI brings transformative changes to their roles and responsibilities.

AI tools assist project managers in making informed decisions by providing insights from data analysis and predictive models. These technologies automate routine tasks such as scheduling, progress tracking, and reporting, allowing project managers to focus on strategic planning and problem-solving.

## Pros and cons of AI in Construction Project Management

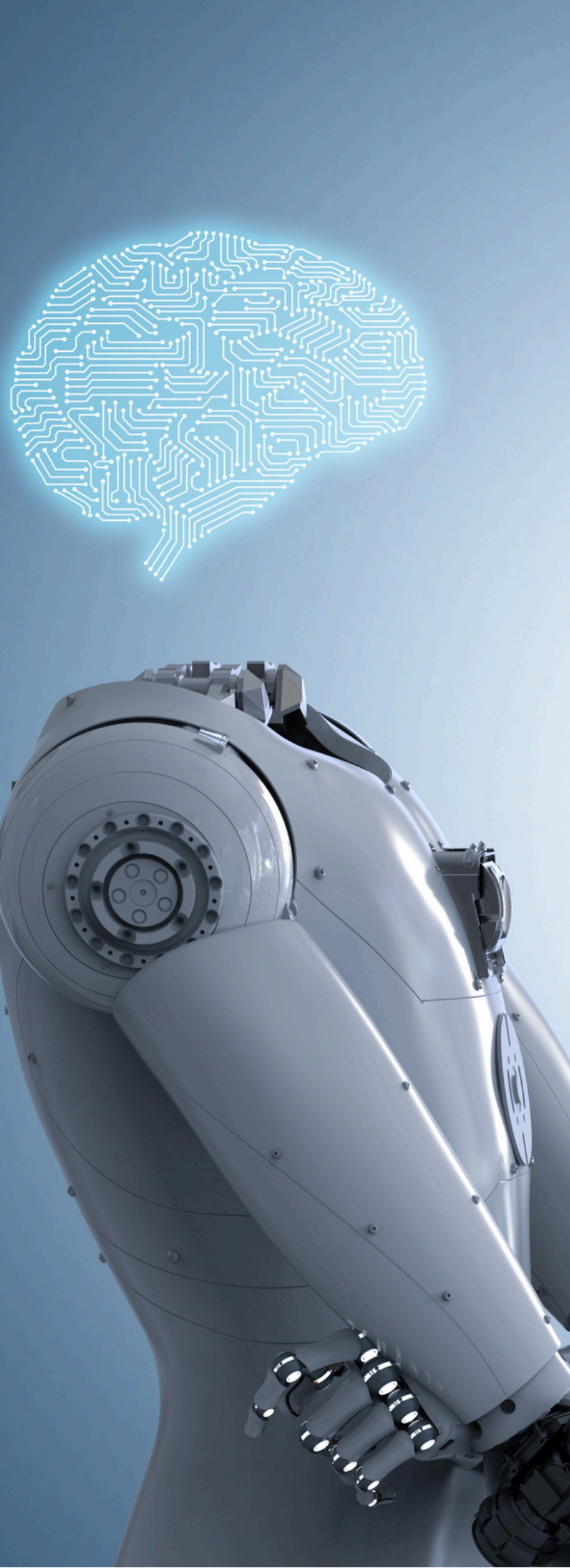
- **Pros**

1. **Enhanced Efficiency:** AI automates routine tasks such as scheduling, resource allocation, and progress tracking, significantly reducing manual workload and improving overall project efficiency.

2. **Improved Accuracy:** AI algorithms analyze vast amounts of data with precision, leading to more accurate cost estimates, project timelines, and risk assessments, minimizing the likelihood of human error.

3. **Risk Management:** Predictive analytics can identify potential risks and issues early in the project lifecycle, allowing for proactive measures to mitigate them and enhance project reliability.





## • Cons

1. **High Initial Costs:** Implementing AI technologies can be expensive due to the high costs of software, hardware, and training, which may be a barrier for smaller construction firms.
2. **Complexity and Integration:** Integrating AI with existing systems and processes can be complex and time-consuming, requiring significant adjustments and technical expertise.
3. **Data Dependency:** AI systems rely heavily on large amounts of high-quality data. Incomplete or inaccurate data can lead to incorrect predictions and decisions.
4. **Workforce Adaptation:** The adoption of AI technologies may require significant changes in workforce skills and roles, leading to resistance from employees and the need for extensive training.
5. **Privacy and Security Concerns:** The use of AI involves the collection and analysis of sensitive project data, raising concerns about data privacy and security breaches.

**Vadiwel Chandra kumara**  
**3rd Year Student**  
**Department of Project**  
**Management**



# CURRENT & FUTURE TRENDS OF PROJECT MANAGEMENT

## INTRODUCTION

Project management is the process of using knowledge, skills, tools, and techniques to achieve specific goals within a project. This involves planning, organizing, and managing resources to ensure projects are completed successfully. Projects are temporary efforts designed to produce unique outcomes, and project management helps make this process efficient.



### Current Trend of Project Management

Project management is crucial in many fields, including construction, technology, healthcare, and finance. In construction, it ensures projects are completed on time, within budget, and to quality standards. In IT, it supports the development of software and systems. In healthcare, it helps implement new services and comply with regulations. In finance, it assists in developing new products and ensuring regulatory compliance.



### Historical Evolution of Project Management

Project management, a tapestry woven through time, finds its threads in ancient civilizations, where the monumental Pyramids of Giza towered like silent sentinels, demanding meticulous planning and coordination akin to the choreography of a grand ballet.

As we pirouette into the Industrial Revolution, the stage transforms, and innovators like Henry Gantt emerge, sketching the first Gantt chart—a veritable map of human ambition charting the murky waters of complexity with a lighthouse of clarity.



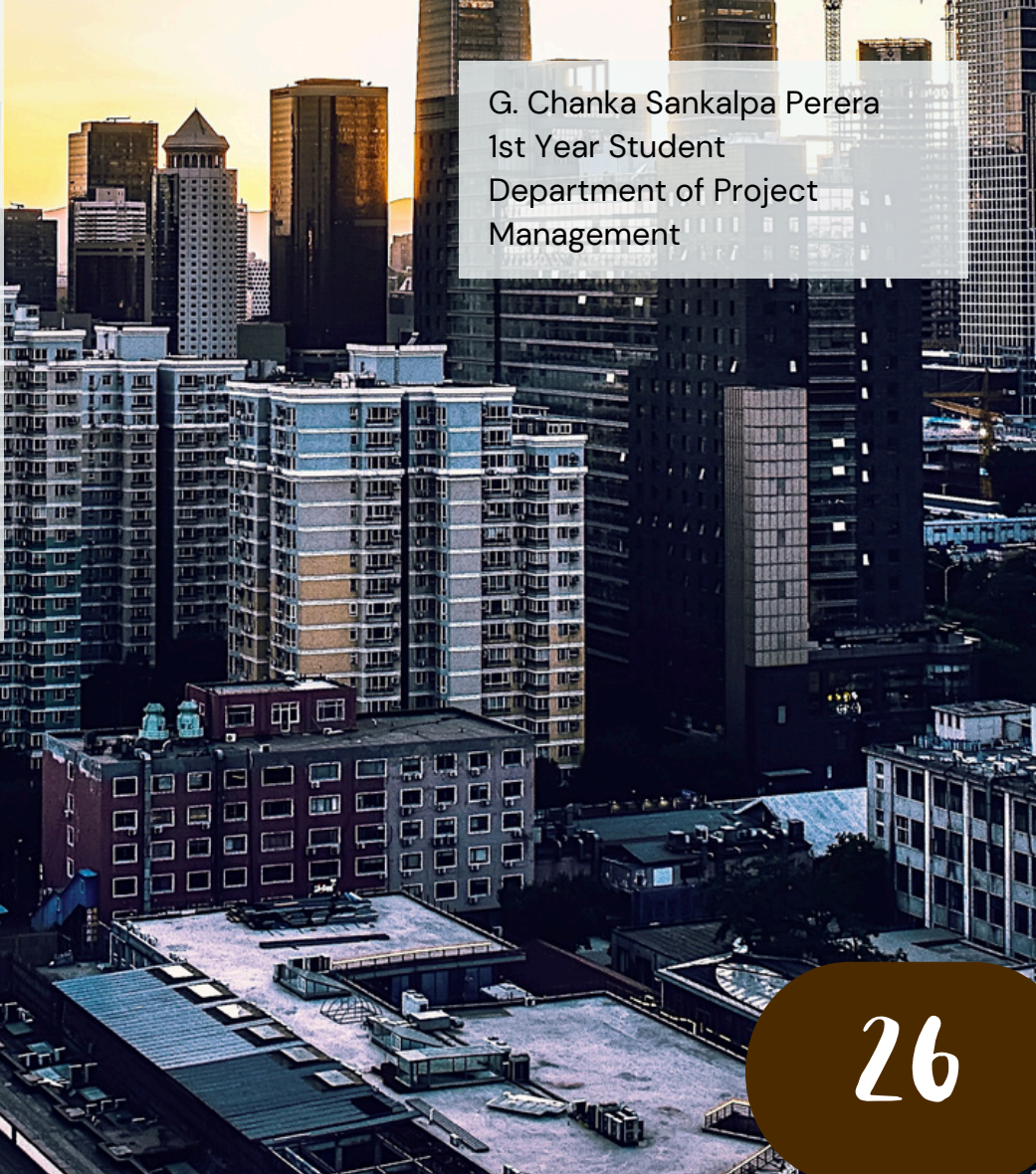
With the 1950s came the birth of the Critical Path Method and the Program Evaluation and Review Technique, tools as crucial to project leaders as a compass to a wayward sailor. By the 1960s and 1970s, project management blossomed into a formal discipline, an elegant swan amidst the chaos, with the Project Management Institute realizing that without structure, even the most ambitious plans risk becoming a mere house of cards ready to topple. Today, the methodologies dance like a dynamic duo; Agile embraces flexibility with the grace of a gymnast, while Waterfall offers a structured rhythm that echoes through the sprawling architectures of organized chaos. In this modern era, project management is not just a discipline but a kaleidoscope of strategies, reflecting the myriad colors of human ingenuity—proof that when creativity meets planning, the universe unfolds its boundless possibilities.

## *Role Of Technology*

Technology enhances project management by improving efficiency and collaboration. Software like Microsoft Project and tools for communication (Slack, Zoom) help teams work together, even remotely. Data analytics and AI also play a growing role, providing insights and predicting risks.

## **Future of Project Management Emerging trends**

AI and automation are revolutionizing project management by enabling strategic decision-making through data analytics. However, this shift requires a balance of technical and leadership skills. Project leaders must balance data-driven strategies with human interaction to ensure success. The ability to adapt to these changes is crucial for project success, leaving a profound impact on the project.

An aerial photograph of a city skyline at sunset. The sky is a mix of orange, yellow, and blue. Several tall skyscrapers are visible, including the Transamerica Pyramid. In the foreground, there are several multi-story apartment buildings with balconies. The overall scene is a dense urban environment.

G. Chanka Sankalpa Perera  
1st Year Student  
Department of Project  
Management



# Influence of Soft Skills in Project Success

*Project management is essential for achieving organizational objectives, and soft skills such as communication, leadership, emotional intelligence, and problem-solving significantly impact project success rates.*

Effective communication is crucial for ensuring everyone is on the same page and working towards the same objectives. Active listening helps project managers understand stakeholder concerns and fosters a collaborative environment. Conflict resolution is essential for addressing disputes and finding mutually acceptable solutions. Leadership is crucial for guiding the team to success. Strong leaders provide a clear vision and direction, set achievable goals, and motivate their team. High morale leads to increased engagement and dedication to the project. Decision-making skills are essential for project managers to weigh options, assess risks, and make informed choices, involving the team in the decision-making process.



Project managers play a crucial role in a project by focusing on analytical thinking, creativity, adaptability, collaboration, delegation, conflict management, time management, and prioritization. Analytical thinking helps break down complex problems into manageable components, while creativity encourages innovative solutions. Adaptability allows for pivoting strategies, reallocating resources, and adjusting timelines. Collaboration is essential, with team building activities and regular check-ins fostering unity. Effective delegation empowers the team, while conflict management promotes open communication and mutual respect. Time management is crucial for meeting deadlines and efficiently completing tasks.



Emotional intelligence (EI) is crucial for project managers to navigate interpersonal dynamics effectively, leading to better team collaboration and conflict resolution. It involves self-awareness, empathy, strong social skills, and proactive problem-solving. Self-aware project managers understand their strengths and weaknesses, build trust, and navigate organizational politics. Empathy builds trust, while strong social skills enable effective communication and stakeholder negotiation. These skills are essential for project success.

Project managers must possess soft skills such as communication, leadership, emotional intelligence, problem-solving, collaboration, time management, and adaptability to navigate the complexities of modern projects. These skills help build cohesive teams, foster a positive work environment, and drive projects to successful outcomes. Regularly updating project schedules and delegating tasks based on expertise and availability ensures timely completion. Adaptability, the ability to pivot strategies and make necessary adjustments, is crucial for project success. Embracing continuous learning and staying updated on industry trends and emerging technologies further enhances their skills. As the business landscape evolves, the importance of soft skills in project management will only grow.

**T.N.F Nusra**  
**1st Year Student**  
**Department Of Project**  
**Management**







## **Secretary**

### **Project Management Club**

### **V.C.Kumara**

Dear Members and Supporters,  
I am Vadivel Chandrakumar, as the Assistant Secretary of the Project Management Club, I am pleased to share an update on our recent activities and achievements at the Project Management Club. So far, we have successfully completed Cluster Series 3 and 4, and we are excited to announce that we have received approval for our 5th edition.

Our commitment to community service was highlighted through our project at the VAROD Disability Centre, where we made a positive impact. Additionally, we organized a series of workshops and webinars, featuring industry experts who provided valuable insights on various relevant topics for all Project Management students.

One of our standout events was the Ragaswaram Music Concert, which showcased our students' talents and received overwhelming support, making it a memorable experience for all attendees. We also celebrated IPM Day with an engaging exhibition that highlighted the importance of project management.

On August 1st, we hosted an International Project Management event, featuring esteemed experts from the PMI Chapter Sri Lanka. This event was a resounding success, further enriching our understanding of the field.

I am proud to announce our first Undergraduate Research Symposium in Project Management, which provided a platform for students to present their research and innovative ideas.

In terms of campus improvements, we have implemented the 5S system effectively, enhancing our department's environment with indoor plants and clear directional signage. The roundabout in front of the DPM building is nearing completion, promising to elevate the aesthetic appeal of our campus.

We are also in the process of establishing a welfare shop container, aimed at better serving our community.

Thank you for your continued support. Together, we are making significant strides in project management and fostering a vibrant learning environment.

V. Chandra Kumara  
Secretary  
Project Management Club  
University of Vavuniya



# Annual Awards

The awarding ceremony was held on 7th of September 2023. On this special occasion day our Project Management Club was involve in many activities. The aim of this award is to enhance students' extracurricular activities at the faculty of business studies.





# Fresh Drink Selling



**19<sup>th</sup> Feb 2024 start from 12.30**  
**near the FBS Canteen**  
**Organized by Project Management Club**





# Rounderbound Project Infront of the PM Building





# Logo Creation Competition



Logo Designing  
Competition



FOR THE STUDENT'S SYMPOSIUM  
URSPM- 2024

[STUDENT RESEARCH FORUM]

Submit Before -

June 15

Through- [pmclub.uov@gmail.com](mailto:pmclub.uov@gmail.com)



Bring your innovative designs  
with creativity

Project Management Club

Department of Project Management



STUDENT'S  
SYMPOSIUM  
URSPM-2024



Student's Symposium  
-2024-



2024

URSPM



URSPM-2024

STUDENT'S  
SYMPOSIUM

Student  
Research Forum



# 3rd INTERNATIONAL PROJECT MANAGEMENT DAY





# 1ST UNDERGRADUATE RESEARCH SYMPOSIUM IN PROJECT MANAGEMENT



"NAVIGATING PROJECT COMPLEXITY"	
UR\$ PM 2024	
<b>PARTICIPANTS</b> Students who are in the field of Project management, Risk management, Procurement & Supply chain management, Studies and Business management	<b>THE 3 BEST ACADEMIC PRESENTATIONS WILL BE AWARDED</b>
<b>SYMPOSIUM TRACKS</b> Project Management Project Complexity Project Management Project Management Project Management	<b>THE 3 BEST ACADEMIC PRESENTATIONS WILL BE AWARDED</b>
<b>DISCUSSION</b> Moderator Mr. Y. Narayanan Mr. K. Ramasamy Mr. D. Manikandan Mr. S. Manikandan	<b>DISCUSSION</b> Moderator Mr. Y. Narayanan Mr. K. Ramasamy Mr. D. Manikandan Mr. S. Manikandan
<b>SYMPOSIUM TEAM</b> Conference Chair Mr. S. Manikandan Co-Chair Mr. S. Manikandan Secretary Mr. S. Manikandan	<b>SYMPOSIUM TEAM</b> Conference Chair Mr. S. Manikandan Co-Chair Mr. S. Manikandan Secretary Mr. S. Manikandan
<b>CONTACT US</b> Project Management	<b>PUBLICATION</b> The abstracts of all accepted Symposium Proceedings



*"The Live Music Fest"*

2024 **ജാതാ ജീവൻ**  
**നാകസ്വരം**

Feel the rhythm, live the moment!

September 4th  
Wednesday  
4.30PM  
Onwards

**LIVE**

Near the  
Medical  
Centre,  
University



**Shramadhana Campaign**

Unite for a  
Cleaner Tomorrow!

**Pampaimadu Church Cleanup**  
| 3:30 PM |  
Be Part of the  
Change with the  
Project Management Club 🌟🌟"

Project Management Club  
University of Vavuniya





# Social Movements





# EXPLORED THE INNER TALENTS OF THE STUDENTS



**Title:**  
Actions in  
Community  
and  
Rural Development  
Projects

*Upgrade your  
Photography  
Talent!!*

**Submission  
Before  
20th of June**



 **Project Management Club  
University of Vavuniya** 

**QUIZ  
COMPETITION  
2024**

**WINNERS**

**1st Year PM Students**  
Ms. Saththiyanathan Sowmiya-1st Place  
Ms. Mohamed Nijamy Fathima-2nd Place  
Ms. R. M. Tharushi Dhananjana-3rd Place

**2nd Year PM Students.**  
Mr. D.S.M.Sithun Hirusanka-1st Place  
Ms. A.F.Fathima Farha-2nd Place  
Ms. P.B.Anuradhi Jayathilaka-3rd Place

**3rd Year PM Students.**  
1.Ms. Hettigama I.N.-1st Place  
2.Ms. Sasikumar S. -2nd Place  
Mr. Piyathilaka L.M.R.K. -2nd Place (Joint)  
Mr. D.G.W. -3rd Place (Joint)

*Logo Designing  
Competition*

**FOR THE STUDENT'S SYMPOSIUM  
URSPM- 2024  
[STUDENT RESEARCH FORUM]**

**Submit Before -  
June 15**

**Through- [pmclub.uov@gmail.com](mailto:pmclub.uov@gmail.com)**



**TikTok  
Competition**

**2024 Aug 1st ,2nd  
at university of  
vavuniya**

- IPM day Highlights
- Symposium Highlight
- Favourite Speaker Recap







# Workshops 2024



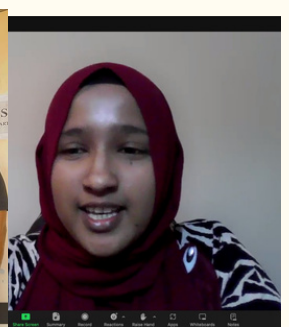
123 Anywhere St., Any City  
University of Vavuniya

University of Vavuniya



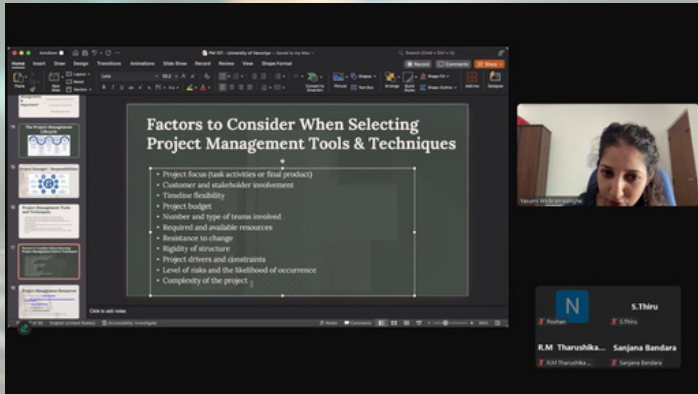
# CLUSTER SERIES

## 3 & 4





# Webinars 2024



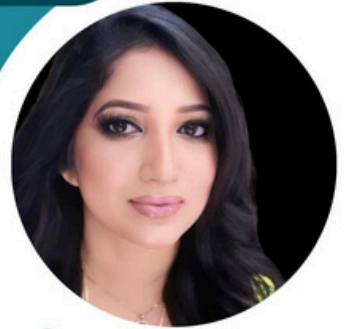
## PROJECT MANAGEMENT 101: FROM BASIC TO BUILDING YOUR CAREER

**YASUMI WIKRAMASINGHE**

BSc (Hons) in Information Technology  
Top performance Reporting Voice on LinkedIn

### WHO IS SHE?

- Associate Business Analyst Lead
- Chairperson, GSFN Sri Lanka
- Researcher, MKAI & ForHumanity
- Former IEEEExtreme Country Lead
- Leadership Team: IIBA, IEEE, CYMG, For Humanity
- Financial Advisor: MoraSpirit
- University of Moratuwa, Sri Lanka: BSc (Hons) in Information Technology
- Capital Maharaja Group: Diploma in TV, Radio Program Presenting & Electronic Media



On 03rd Of July 2024

From 03:00PM - 05:00PM

Via Virtually/Physically

### WORKSHOP OVERVIEW

This workshop will equip you with a foundational understanding of project management, from its core principles to its applications and career opportunities in the IT industry.



PROJECT MANAGEMENT CLUB  
FACULTY OF BUSINESS STUDIES  
UNIVERSITY OF VAVUNIYA






## THE PROJECT MANAGEMENT CLUB INVITES TO YOU A WORK SHOP SERIES 11

- Management tools
- Health and safety in work environment
- Root cause analysis

**1st of April**

**7PM**

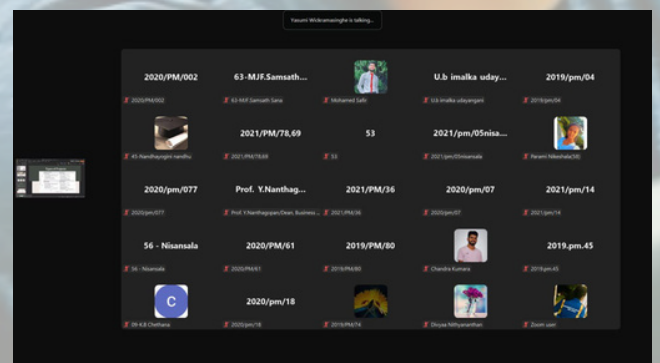
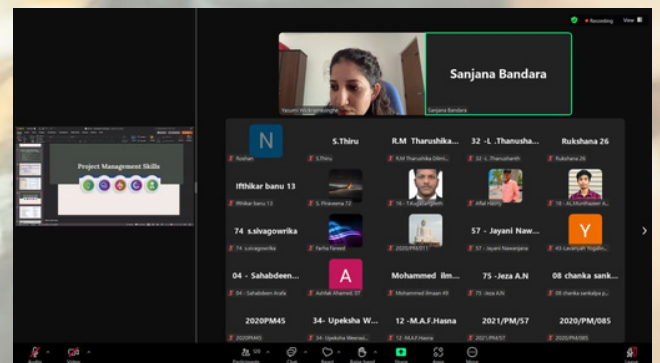
**Online**



**Meeting ID 958 964 2122**  
**Passcode 1mustwin9!**



**Mr.K.K. Ragunathan**  
Civil engineering at open university Sri Lanka  
**QUANTITY SURVEYOR HNC**  
**Building studies HNC**  
**Surveying and levelling HNC**



QGIS Workshop  
2024  
University of Vavuniya

40



The background of the page is an isometric, low-poly illustration of a cityscape at night. It features various buildings, streets, and structures in shades of blue, purple, and white, with some lights glowing. The perspective is from a high angle, looking down at the city.

# THE PROJECT MANAGER

"Project management is not merely about controlling timelines and budgets; it's about crafting a vision, fostering collaboration, and transforming ideas into reality. It is the bridge that connects aspirations to accomplishments, where every milestone is a step toward a greater purpose."