



**Vaasan yliopisto**  
UNIVERSITY OF VAASA

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Learning diary in Analytics in Project Management (ISAN3010) course

Programme: Analytics in Project  
Management (ISAN3010)

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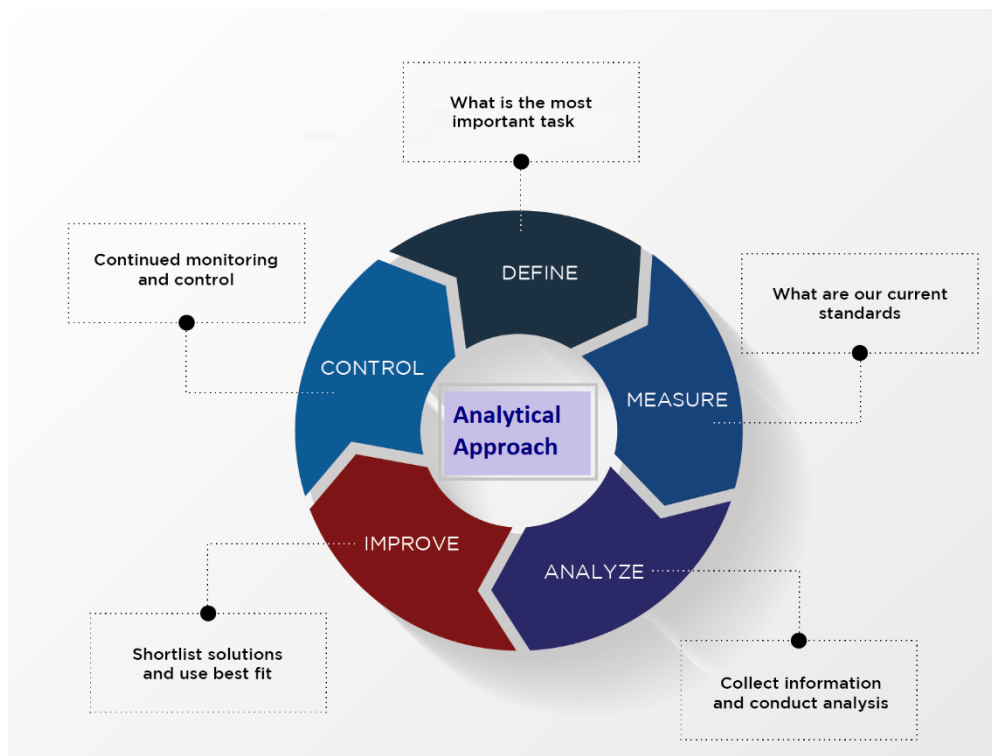
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# 1 Introduction

As I engage on the Analytics in Project Management course (ISAN3010), I am excited to make a better decision in the world of project management through the module of analytics. If I say, this learning diary will assist as a thoughtful tool to document my journey and growth throughout the course.

## Module 1: An Analytical Approach to Project Management:

In the very first module, I obtained a comprehensive knowledge of how analytics can be implemented to enhance project management in the practical fiend. When I start learning about the analytical systems and its role in project success, it has enhanced my perspective and thinking. I feel I am able to solve some particular problems regarding this topic.



**Figure 1: analytics in project management**

## **Module 2: Data-Driven Decision Making in Project Management:**

In this class, I learnt the significance of data in project management decision-making. I hope it will help me to explore different data sources and their impacts on output has that my appreciation for the role of building accuracy and punctual information. The case studies served a valuable highlight into practical-world applications and many more.

## **Module 3: Estimation in Project Management:**

In this portion I got some suitable knowledge about how to estimate a critical perspective of project planning and monitoring, and this module taught me on the analytical techniques for accurate prediction. From armature methods to more complicated stochastic models, I am beginning to grasp the nuances of making reliable projections which I could help me to build up the dynamic project environment.



***Fig2: estimation***

## **Module 3: Project Estimation and Optimization Techniques:**

Building on the foundation laid in the previous module, Module 4 introduced optimization techniques that enhances project estimation accuracy. The exploration of mathematical puzzles for optimization has been challenging. I am starting to watch out how

these techniques could lead to market efficiency and improved project output as per demand of the consumers.

### **Module 5: Models for Rational Decision Making:**

This topic sheds a uphold lights on me because it helps me to get the models and diagrams for rational decision-making which has been an insight of this module. The integration of analytical models, such as decision trees and risk analysis, has given me with a structured approach. It also helps me to handling uncertainties in any kind of project environments. Besides, this module has been pivotal in developing my analytical decision-making skills.



***Fig3: Six sigma***

### **Module 6: Business Analytics in Projects and Project Management Maturity:**

In this module, I perceived an expanded understanding of business analytics in the purpose of project management. I found some specialty in analyzing organizational maturity

in project management. In addition, it has illuminated the importance of aligning analytics which I found very practical with the overall strategic goals of any corporate service. The concept of maturity levels has increased thoughts on continuous improvement in project management processes and to select goals.

#### **Module 7: Data Visualization and Project Management Competence Analytics:**

I got a huge opportunity for implementing a dash board on PowerBi. It helps to achieve something new to make a proper decision through an analytics software. The power of visualizing data in project management has become evident in this module. Learning about various data visualization techniques has equipped me with tools to communicate complex information effectively and helped me to build a diagram in canva. In addition, exploring competence analytics has increased the role of skills and capabilities in to make a project successful.

#### **Module 8: Contemporary Topics in Project Management Analytics:**

The final module helped me to involve in some contemporary topics, showcasing the evolving nature of project management analytics. From agile analytics to emerging technologies, this module has provided a glimpse into the future landscape of project management. The integration of cutting-edge tools and methodologies has sparked my curiosity and eagerness to stay abreast of industry trends.

**10. Conclusions:**

To sum up about this course, this course reflects me on the transformative journey. The Analytics in Project Management course has boost me with a robust analytical toolkit, which enables me to different approach of project management challenges. I found many solutions to prepare myself to make a strategic and data-driven mindset. The integration of analytics has not only enhanced my decision-making capabilities but has also boost me to understand the interconnectedness between data, projects, and organizational success. I am extremely eager to apply these dynamic skills in real-world scenarios and contribute to the advancement of project management practices. This learning diary stands as a testament to my growth and development throughout this enlightening course.