

Assignment 2

Project Management

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Introduction

The current study presents the controlling and monitoring phase processes and activities in project management. It discusses the observation of each task is discussed which gives the relevant idea about how the project execution works and its implementation is feasible or not. The monitoring and control stage provides necessary views about the possible risks, challenges, and conflicts, this helps to take the corrective measures during the execution. Proper monitoring drives to keep track of the progress related to work. In the next section, the project evaluation provides an analysis of the advantage of the project. The evaluation of the project aims to identify the relevance, efficiency, sustainability, impacts, and effectiveness. The project of integration of the robotic system in the delivery of products is useful for Tesco. The technology implementation in the workplace leads to sustainability for the company. So, the evaluation report helps to identify the degree of the achievement of the results and aims of the project. Further, it provides comprehension about the issues that occurred during the execution of the project. The evaluation report of the project illustrates the learned lesson and recommendations which would be beneficial for future planning.

The Project Management and Execution

Tesco's project about the testing of the robotic system integration in the home delivery of the products is a sustainable project which just needs some modifications for the permanent implementation. To test the project's effectiveness and significance, the project manager and project team applied the PRINCE2 approach of project management. It is the best-suited strategy to develop the project because it uses a procedure-oriented approach. Control and monitoring can be done by this structure for each phase of the project development. It helps in revising every phase of the project and does the needful for managing the project. This project management model helps to analyze the different issues in the project so that it can be changed according to the need.

Benefits of the PRINCE2 approach in the project management

The project management approaches such as agile methodology, PRINCE2 methodology, waterfall, scum, lean, and many more approaches help to develop the project effectively. All these methodologies have their own advantages and limitation. For instance, the agile and lean methodologies provide the iterative and incremental framework to develop the project. the repetition and changes in any stage of the project management increase the time and budget. So the PRINCE2 methodology is beneficial among all the techniques because it provides the execution of each phase according to the need and it is process-oriented which helps to make modifications at any step. The project manager effectively implemented this strategy and establishes the understandings between the team members and the technical team to handle this project. This also reviews the completed step and then further processing is started (Meredith et al., 2017). This helps to monitor and control each phase of the project. It reduces the chance of the risks and errors occurring in the project development (Řeháček, 2017). The project team can evaluate the performance and progress of the project, integration of the robotics system for testing in the delivery of the products. The issues that occurred during the project execution can be handling with the control measure planned earlier during the preparation of the project management plan.

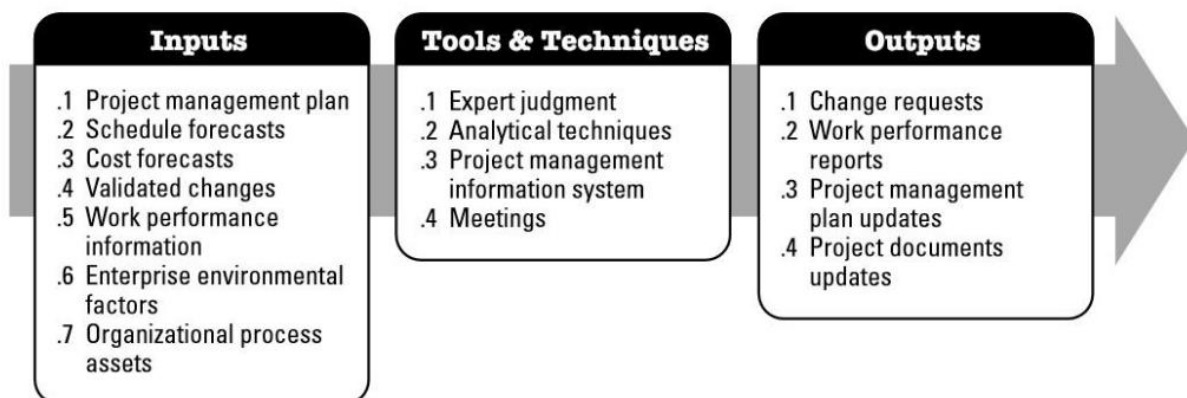
Limitations of PRINCE2 model

This methodology of the project management has some disadvantages as it needs documentation for every phase, the reporting for every stage, and without completing the previous stage the project management team can't start the next stage. Such procedures increase the time and expenses to complete the project. There is disturbance also created by reviewing the needs again and again which leads the team members in a confusing and disruptive state. It reduces the effectiveness of the project management scheme.

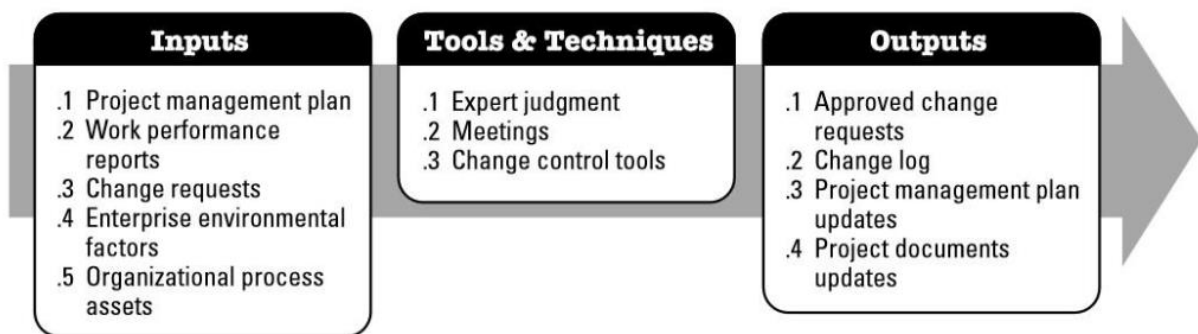
Monitoring and Control Stage

Monitoring and controlling phase is essential in the project development because it helps to keep the record of the project execution steps and actions. In this way, the project manager keeps an eye on the development and implementation stages. The project team can do the task according to the instructions provided by the project manager about the changes which is relevant for the project. This phase consists of the necessary processes to ensure the performance of the project (Varajão et al., 2017). It involves monitoring against the actual planned, identification of the deviated items from the planned, and lastly making changes to restore the performance of the project. These procedures are as follows:

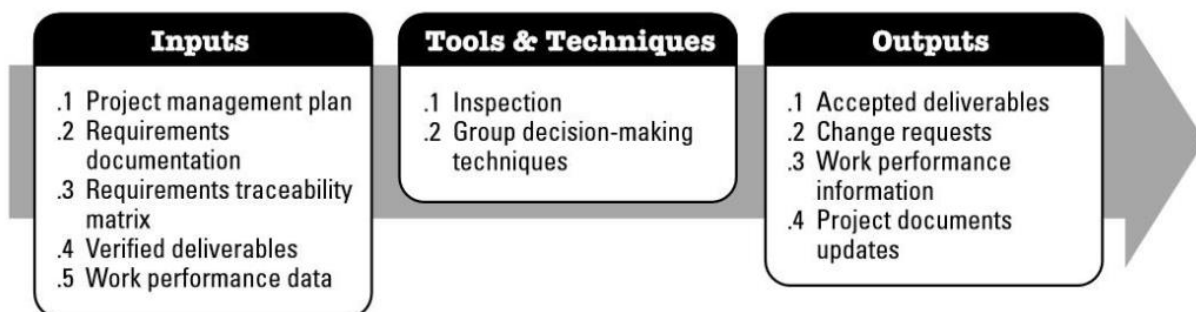
Monitor and control project task- this includes two different processes: controlling and monitoring. Controlling includes the suggestions of changes essential to improvise the performance of the project and maintain the scope of the project according to the plan while the monitoring involves evaluation, collection, and distribution of the performance data contrary to the management plan and project scope. In Tesco's project plan of the integration of the robotic system testing for home delivery, the project manager plays an important role to succeed in the project. The cost and schedule forecasts play as the tracking standards to faster analyze the performance and evaluate the requirements for changes. Controlling and monitoring work collectively to ensure the objectives of the project are achieved.



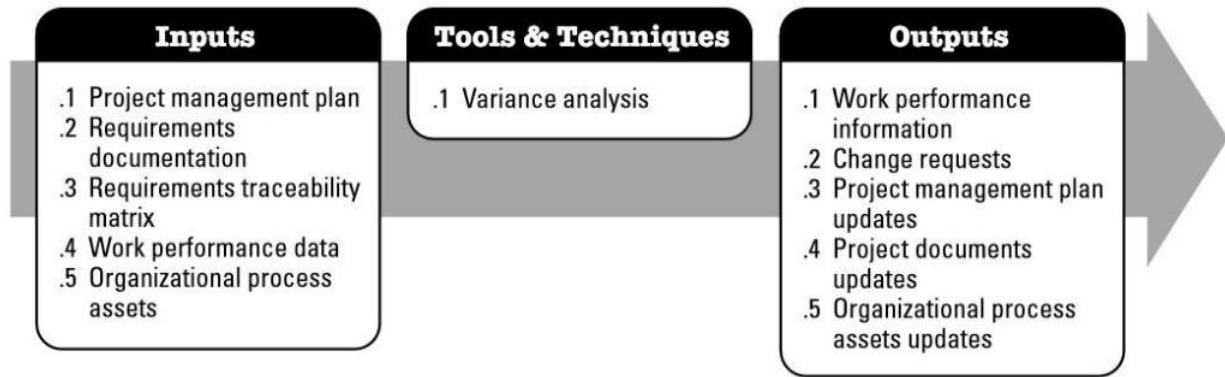
Perform change control- integrated control of change describes and unifies procedures in support of the objective of the project. Whether driven by risk evaluation, process monitoring, or change request, modifications must be reflected in the scope, budget, and schedule of the project as needed. The purpose of balancing and maintain control over the whole process of the project. The development and usage of the formal procedure set the modification review board, create a log for change, and standardize the modification request form. The change request is created and entered into a log and submitted to the board of review (Gaber et al., 2016). This helps to maintain the quality of the project.



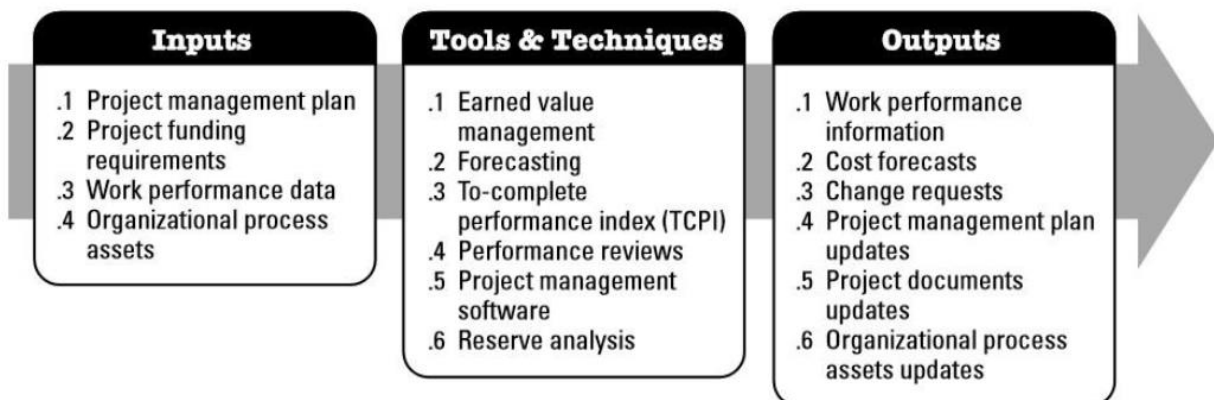
Validate scope- this procedure ensures the acceptance of every final deliverable of the project. It assures that the deliverable must be accomplished according to the scope of the project. Scope validation ensures that project deliverables meet the requirements of the consumers and stakeholders. Tesco's project of integration of the robotic system for testing is to analyze that the robots can fulfill the requirement of fast delivery of the products and save time.



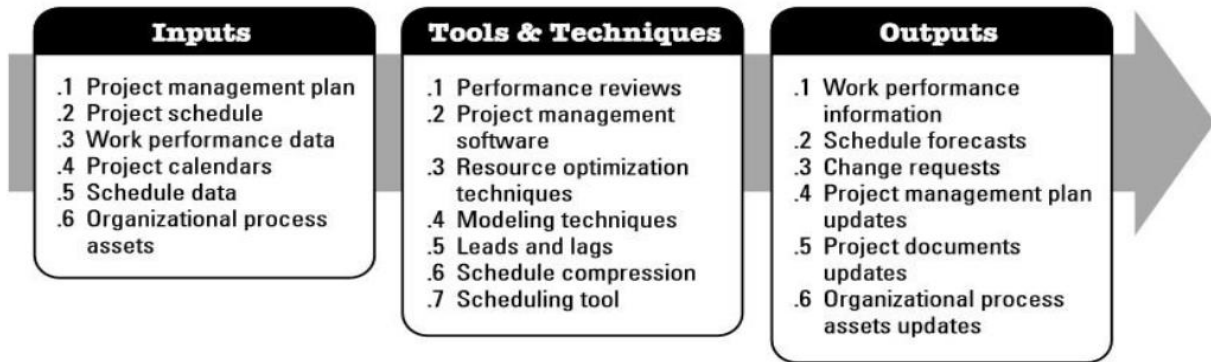
Control scope- this process includes monitoring the status of the project and managing and making the changes in the baseline as required. The significance of this procedure is to maintain the concentration on the objectives and planning of the project.



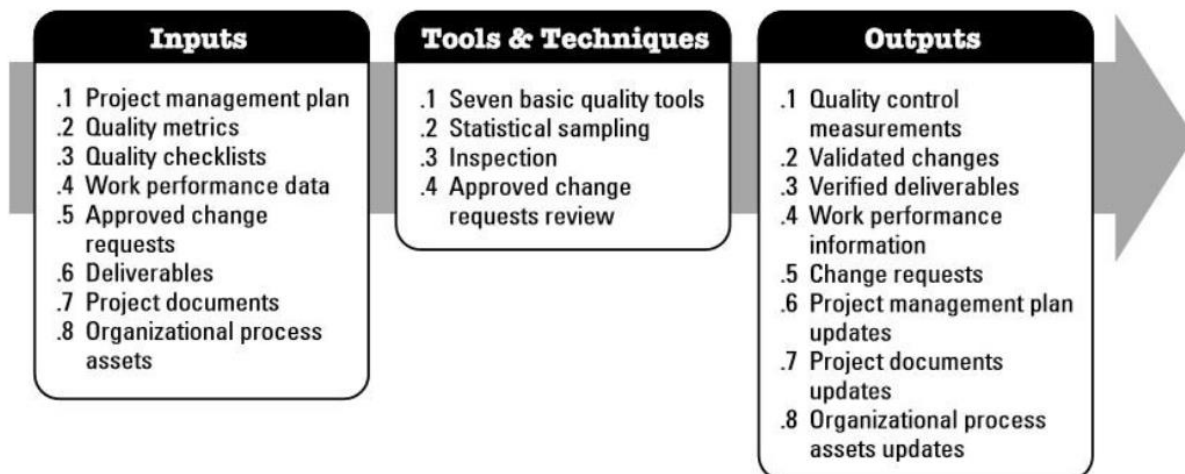
Control costs- this includes the monitoring of the performance of the project from the budget perspective and managing the cost baseline of the project on the basis of the requirement of changes. The values related to the control budget procedure is that various tools are present to aid evaluate costs risk. The earn value management (EVM) makes it easy to analyze the tasks performances according to the budget estimation versus actual fund (SIPES and STOGNER, 2019). The project manager uses this tool to make the evaluation and if the budget exceeds then it can be controlled through update the plan of the cost.



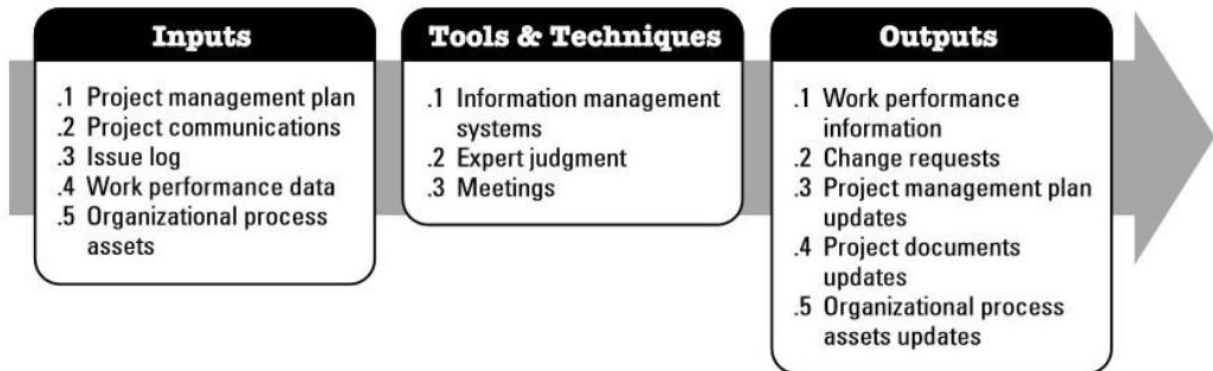
Control Schedule- it involves the monitoring of the project activities status. The status of resources, workforce, and activities utilization gives the measurement standards for control schedule variance. This tool utilized by the project manager to implement changes to restore the performance. Schedule control is the major factor for consideration. If the activities go out of track then it is difficult to maintain the original schedule of the project.



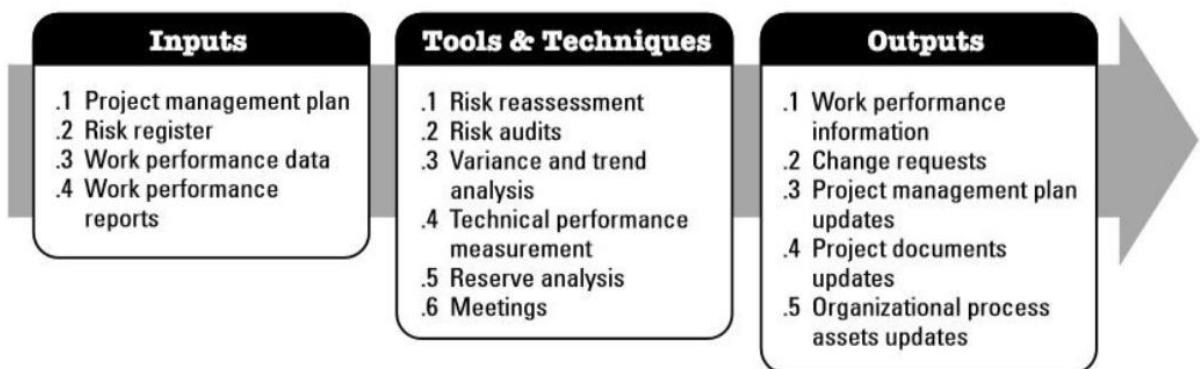
Control quality- it monitors the quality standards of the project performance. This helps to evaluate change processes which can adversely impact the quality performance and set the necessary changes initiative to restore the quality of the project and satisfaction of stakeholders. The main objective of this stage is to meet the quality standards and expectations of the stakeholders. The quality control process uses tools like sampling, inspection, and 7 basic quality tools. Tesco is considered for the quality of the robotic systems and their programming.



Control communications- it includes controlling and monitoring over the communication from the starting to the closing of the project. it helps to convey the necessary information about the project progress to the stakeholders.

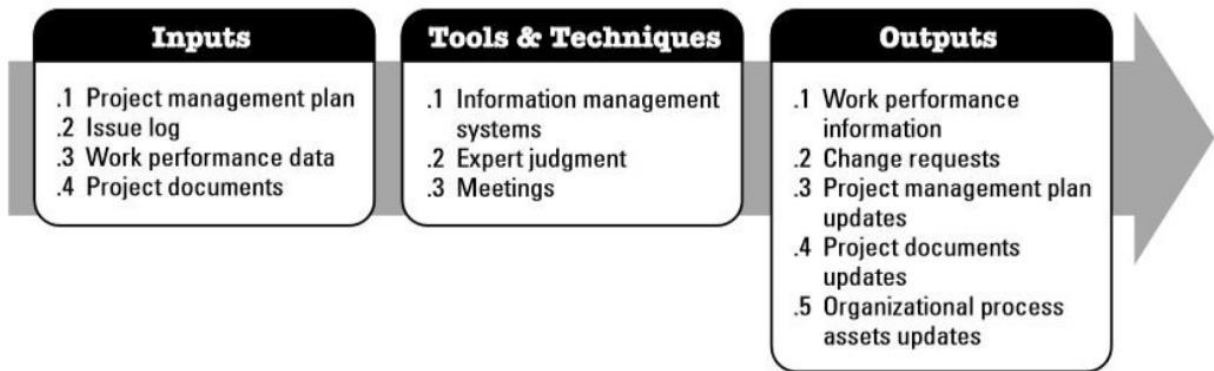


Control risks- Risk identification is not a one-time procedure. So risk control procedure involves identification of risks, implementation of the mitigation plan to assure the effectiveness of responses. Building the risk management plans help to establish the process for implementing the responses for risks and track its effectiveness (Cicala, 2020). If the risks are monitored and controlled efficiently then it reduces the risks of cost, quality, or schedule performances.



Control stakeholder emergence- it involves the maintenance of the relationships of the stakeholders through an evolving and continuous emergence process. It is observed that project

management and stakeholders work together. This helps in understanding the needs and expectations of the stakeholders should be met.



For project management, the monitoring and controlling stage is useful in many ways like updating and changing things according to the needs.

Generate Project Evaluation Report (EOP)

The evaluation report of the project determines the different aspects related to the project and its accomplishment according to the management plan of the project. This helps in evaluating the relevance, feasibility, objectives evaluation, project achievements, sustainability, findings, challenges, lessons learned, and recommendations (Drees et al., 2019).

Project evaluation goals

Assess the performance of the project-

The monitoring and controlling process help to evaluate that the project performed well or not. It is noticed that testing of the robotic system integration in the delivery of the product was successful. It meets the project scope and proved beneficial in enhancing the capacity for processing orders in one day. This helps them to take a competitive advantage in the market because yet now the Ocado group takes a competitive advantage by delivering the goods using the robotic system (Hoffman, 2019).

Assess the entire design and logic of the project-

The implementation of the robotic system in the Tesco is essential. So the prepared design and logic in the plan of project management can assist to measure its performance. The major benefit of the integration of the robotic system is to reduce the manpower in the workplace and speed up the delivery time.

Project Achievements

- Following the code of ethics- the employees, project team, and project manager along with the project board followed the code of conduct. This helps to keep the motivation level of the working staff members and reinforcing more efforts to accomplish the project. Employees did not cross their limits during the testing of the robotic system integration.
- Sufficient fund for the project development- the budget approved for project development was sufficient. The project completed in the given budget and provides an idea about how much cost needed to invest in such a project for the permanent integration of the robotic system. The raw materials and technologies obtained were at reasonable rates by ensuring the quality. The project manager played an important role in this direction by cost control measures.

- Higher internet connectivity, power supply, and other things- the internet connectivity and power supply infrastructure were already highly developed. This helps to test the robotic system without any disruption in the services.
- One warehouse of the company was modified to test the system- the infrastructure and technology of the warehouse was modified to test the robotic system in the real environment. This helps to observe the performance level and analyze the relevance of the project.

Major findings

- The original project scope is meeting with the development of the project. The project manager measured that robotic system integration is beneficial for the company.
- It helps to reduce input costs by reducing manpower.
- It can improve productivity and profitability.
- The robots can deliver the goods at high speed than humans and save the delivery time.
- The employees supported the project development and use alternative methods to perform their daily tasks in order to avoid delays in other works.

Challenges/Issues faced during the development of the project

- It is observed that customers who receive the order at home felt uncomfortable by seeing the robots.
- The staff members were against the project because they had a fear of losing jobs by the integration of the robotic system.
- The installation of the robotic system for the testing was a highly complex and critical task.
- There were various conflicts raised among the project team members regarding their roles and responsibilities. They were careless in preparing regular reports about the project activities.
- The project manager established unrealistic timelines that were hard to achieve by the team members.
- The improper handling of the documentation and providing reports to the project board delayed the beginning of the next stage in the project development.

Sustainability

According to the analysis of the project evaluation and findings, it is appropriate for the growth of Tesco. It helps in reducing the contribution of the employees and enhances work efficiency. It will continue to facilitate the higher profitability of the company by attaining more consumers when the budget gets over. The integration of the robotic system for the testing is appropriate for the present era. It helps the company to take a lead in the retail industry and take a competitive advantage.

Lesson learned

- The implementation of the robotic system for the testing purpose help to analyze that how much capacity of working can be increased by this project. It is observed that the robots can deliver thousands of goods in a day. This increases the productivity of the firm (He and Lei, 2020). The technology involvement helps the businesses to take a lead in the marketplace. So, the new startups must include technology integration that helps them to achieve success in a short time.
- The technology integration also impacts on the financial condition of the company. as it reduces the manpower which directly reflects the minimal input cost. It enables the company to gain higher profitability.
- For the long term success, Tesco needs to implement the robotic system at a permanent level.
- Project management help increases knowledge about in-trend technologies. The input such as funds, stakeholders, and assets are needed to perform the work involved in the project development. The project planning can be prepared by the project manager to execute the activities in an effective manner. It also assigns the tasks to the project team properly (Morch et al., 2019).
- This project has a disadvantage that the employees can lose their job which impacts their life.

Suggestions

- It is recommended that the project manager have to create the activity schedule according to the feasibility and set realistic milestone which can be easily achieved by the project team.
- The project team should emphasize on installing the technological infrastructure more effectively.

Conclusion

According to the discussion on the monitoring and controlling process in the project management, it gives insight about the concept. The testing of the integration of the robotics system for delivering goods provides an essential idea about project management. The PRINCE2 approach for project development is used among all the methodologies such as agile, lean, six sigma, waterfall, and other frameworks. This is a relevant methodology because it follows the process-oriented approach. Next, there is a discussion on the monitoring and controlling process which helps to effectively execute the project activities. In the last section, the project evaluation report is given which involves recommendations, lessons learned, key findings, achievements, and many more.

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