

Project Management Assignment 4

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Assignment 4

- **Aims**
 - To understand the process of quality planning.
 - To understand the overview of QA/QC.
 - To understand the purpose of flowchart and control chart.
- **Expected Outcomes**
 - Students are able to identify process required to perform quality planning.
 - Students are able to differentiate between QA and QC.
 - Students are able to develop the flowchart and control chart.
- **References**
 - William, R.T. 2013. Project Management. Random Exports
 - Heagney, J. 2012. Fundamentals of Project Management. American Management Association.

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The remanufacturing process of steering rack begins with the identification of cores. To the untrained eye, it would be easy to overlook small yet critical differences between what on the surface would appear to be the same part. However, to the trained eye there are many distinguishing features allowing the technicians to correctly identify every part before entering the remanufacturing process. (This major activity started from beginning week till 3rd week of January)

The next process is to ensure that each part is free from structural damage and missing parts which would compromise the physical integrity of the part and its ability to be remanufactured. If a part fails, it will be removed from the accepted core inventory and will be disassembled in an effort to retain components which can be salvaged. (This major activity started from 4th week of January till 2nd week of February)

Once identified, the next process begins with the components being removed from the part. All non-essential components will be removed and any residual oils remaining inside the unit will be drained. These parts are retained and placed into holding bins. All paper, cardboard, oils, scrap metals and plastic materials are properly sorted and prepared to be recycled for protection of the environment. (This major activity started from 4th week of January till 4th week of February)

Subsequently, each part has a detailed build recipe along with specific assembly steps which insures repeatability and consistency across production runs. (This major activity started from 4th week of March till 4th week of April)

During the final stage of production, each unit is then processed for painting using a black high heat and element resistant premium surface paint. As it leaves the paint booth, the part now has that showroom quality appearance and durability. (This major activity started from 1st week of May till 1st week of June)

The packaging system ensures uniformity and security of the part while in transition. Every part is visually inspected for appearance issues as well as correct labeling before dispatching. (This major activity started from 4th week of May till 2nd week of June)

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- a) List the **NINE (9)** MAJOR activities of remanufacturing process?
- b) What is the purpose of Gantt chart?
- c) By assuming every month has 4 weeks, develop a Gantt chart of MAJOR activities.

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