

A Project Report On
Industrial Optimization by using hydrogen gas and Gasoline Oil as
a fuel to produce electricity in Soraj Fertilizer

For

University Of Management And Technology

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**Industrial Optimization by using hydrogen gas and Gasoline Oil as
a fuel to produce electricity in Soraj Fertilizer**

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

In the name of Allah, Most Gracious, Most Merciful.

In the name of Allah, Most Gracious, Most Merciful.

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ABSTRACT

Purpose of this report is to inform about the lean tool value stream mapping. It itself is not a strategy but imply different strategies in this tool for the improvement. It is used to differentiate non-value added activities from the value added activities. It creates an image about the material flow and information flow in products and services. Many other organizations are using this method because by using this method they come to know about their problems and improves the processes by several techniques. It includes information flow from top management to workers and from the suppliers to the customers. As lean has been developed it is being implied in different industries for the improvement of the material and service flow. In this report value stream mapping is implemented in an paper industry located near kasoor named as maqsood faisal paper and board mill. For this purpose firstly the six key performance factors are identified and their performance is identified and secondly different process are carried out to for the improvement of these factors. These key factors are 1) efficiency 2) waiting time 3) lead time 4) work in process 5) defects 6) transportation. When these KPI's are identified the data regarding them is collected. The current state map is being drawn and non-value added activities are being identified and are eliminated for the purpose of improvement. Lean principles are applied, solutions are presented and future state map is drawn which shows all the improvements made in the current state map. All the plans made are then implemented to achieve the future state map. Results are quantified and compared with the current state map. By the implementing of this technique the non value added activities are eliminated and effective use of the resources and removal of the wastes is done so that the value added activities are done effectively. This report also emphasizes the VSM's important role in the paper production.

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