

# OPERATIONS MANAGEMENT



**Brand:** Mehta Solutions

**Product Code:** case498

**Weight:** 0.00kg

**Price:** Rs500

## Short Description

## OPERATIONS MANAGEMENT

case study

## Description

Toyota's history goes back to 1897, when Sakichi Toyoda (Sakichi) diversified into the textile machinery business from the traditional family business of carpentry. He invented a power loom in 1902 and founded the parent organization of Toyota, the Toyoda Group, in the same year. In 1926, Sakichi invented an automatic loom that stopped operating when a thread broke. This prevented the manufacture of imperfect cloth. (Calling attention to problems and rectifying them at the earliest later became an important part of the TPS). The same year, Sakichi formed the Toyoda Automatic Loom Works (TALW) to manufacture automatic looms. Although the TPS was not the handiwork of Ohno alone, as it included concepts developed by Sakichi, Kiichiro and Eiji, it was Ohno who streamlined the concepts and developed them into a formal system. He was also responsible for training a number of Toyota's engineers in how to use and implement the system... Analysts said that the TPS conferred a great amount of flexibility and productivity enhancing capabilities on Toyota. By the early 2000s, Toyota had the capability to manufacture a car, from raw material to final assembly, in five days. This gave the company a considerable advantage over competitors, many of whom took nearly 30 days for the same process. Analysts said that the flexibility provided by the TPS allowed Toyota to make the best use of its resources for greater productivity. Toyota's production system has been one of the most studied systems in the field of production and operations management. The core elements of the system, like JIT, Kaizen and Kanban

were emulated by several other organizations around the world, sometimes successfully and sometimes not. Taiichi Ohno was the architect of the TPS and was generally acknowledged as the father of 'lean manufacturing', which was the western adaptation of the TPS.

**Answer the following question.**

**Q1. Discuss the elements of the production system of a large and highly successful car manufacturer.**

**Q2. Explain the concept and application of tools like JIT, Kanban, Kaizen, and Jidoka and their role in production management.**

**Q3. Discuss the importance of the human element in the design and operation of production systems.**

**Q4. Differentiate between the Japanese industrial culture and that of western economies.**

**Details**

**1. Case study solved answers**

**2. pdf/word**

**3. Fully Solved with answers**