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MECHANICAL ENGINEERING COURSE

DIPLOMA PROJECT

IMPLEMENTATION OF QUALITY CONTROL PROCEDURES IN A METAL INDUSTRY

M/681

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SUMMARY

The main object of this diploma project was the suggestion of methods of improvements of the existing quality control practices.

To be able to suggest improvements, it is essential to be aware of the basic terms used in Quality Control but at the same time to have a profound knowledge of techniques used for quality improvement.
This is the reason for writing the theory about Quality Control terms and techniques used.

In Chapter 1 an introduction to quality control was made, with all terms used written down.
In Chapter 2 the fundamentals of statistics were described. This is a very important chapter nine all techniques used in SPC include statistics. Japan, USA and Europe are developed briefly.
In Chapter 3 the techniques used nowadays in Japan, USA and Europe are developed briefly.
In Chapter 4 an investigation of the quality control procedures followed by the industry was made. Also recommended techniques are described along with improvements to the existing techniques.
In Chapter 5 the various quality costs are defined and the cost of the recommended techniques is evaluated.
Chapter 6 deals with the computer usage in quality control giving some specific uses.

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