STUDY ON STREAMLINED PROCESS IMPROVEMENT
BY USING VALUE STREAM MAPPING IN
AUTOMOTIVE SEATING COMPANY: A CASE STUDY

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ABSTRACT: Streamlined process improvement is often one of the
tools applied during the performance improvement plan at which
it is an effective way of bringing about positives improvement to
the processes. Value Stream Mapping is a qualitative tool by which
described the process in detail about how it operates in order to
create flow. Through the value stream is regarded as an important
tool in the implementation of lean manufacturing at where it
identifies the waste in system which paving the way for a successful
lean implementation. The paper discussed the findings from the
development of the Current State Value Stream Mapping (CSVSM)
and the reduction in non value added time that can be obtained after
the development of Future State Value Stream Mapping (FSVSM).
The result of this paper indicates that development of the Value
Stream Mapping from CSVSM to FSVSM has led to reduction in
non-value added time from 11.76 days to 3.00 days. The suggestions
of potential improvements opportunities are proposed for the
Future State Value Stream Mapping after analyzing the problem
statements.

KEYWORDS: Time Study, Value Stream Mapping (VSM), Current State
Value Stream Mapping (CSVSM), Future State Value Stream Mapping
(FSVSM).

1.0 INTRODUCTION
Streamlined process improvement is often one of the tools applied
during the performance improvement plan at which it is an effective
way of bringing about positives improvement to the processes. At
the present time, manufacturing industries need to fully redefine
their management in production systems in order to tackle the
competitiveness demanded by the challenges from the current
markets. Value Stream Mapping (VSM) can serve as a good starting
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