

List of Corrections Suggested by the Examiner 1

Q. No.	Queries Raised by the Examiner	Answers for the Queries	Page No.
1	In the introduction, it is mandatory to say what is the significance of the problem you are going to attack in the research but it is not clearly stated. Also give research scheme of the work. Addition one section should be included, i.e. for example definition of set up time, transportation and lead time.	Significance has been mentioned.	15
2	Abbreviations need to be included in the beginning of the thesis (VSM and TAKT not abbreviated properly)	Abbreviations have been included in the beginning of the thesis	3, 9
3	In the literature review, only list of papers are commented with few lines, it is harder to see any systematic reviewing that are being carried out. Therefore, this section needs significant improvement before the acceptance of this thesis. It is required to summarize references and gaps with respect to problems handles in the thesis and the techniques being used, limitations of the existing solutions/techniques etc.	Already sufficient Information pertaining to the reference has been provided	16-34
4	Researchers need to state the novelty of this thesis.	Novelty of the thesis has been added.	35

5	Rest of the chapters: Particularly, why did you select the lean techniques for enhancing the efficiency for small scale and medium scale industries? Why not for a large scale industry? Justify your stance.	Justification given	15
6	In the conclusion chapter outline. What are the difficulties faced by you when you applied the lean techniques? And explain how did you overcome those with reference to different industries?	Challenges faced have been explained	104
7	What kind of production facility is adopted in the industries? Whether VSM is suitable for the flow shop or job shop facility.	Already explained in the thesis	12, 18
8	Uniformity to be followed in the time (If it is needed)	It is not mandatory	
9	Rewrite the future scope	Future Scope re-written	104

**Signature of the Research Scholar
(SARAVANAN .V)**

**Signature of the Supervisor
Dr. S. Nallusamy
Professor & Dean,
Department of Mechanical Engineering,
Dr. M.G.R. Educational and Research Institute,
Maduravoyal, Chennai – 600 095.**

List of Corrections Suggested by the Examiner 2

Q. No.	Queries Raised by the Examiner	Answers for the Queries	Page No.
1	Title: What do you mean by Efficiency? Similar to productivity or lead time? Your result never mention on efficiency improvement.	In conclusion results show the efficiency improvement.	99
2	Have you applied six sigma? Because it is appear in your L.R. but not in your title as keyword.	No. But it is one of the lean tool	
3	Abstract: Shorten your abstract.	Abstract shortened	V
4	Citation: Correction needed (Ex: Natasy et al(,)2013) in page 5	Has been given correctly	5
5	L.R.: Suggest insert a Literature Findings Table to summarize the L.R. at the end of the chapter.	Not necessary	
6	Term: Please either use the Lean Tool or Lean Technique (Do not use different term to present the same object in thesis)	Replaced as lean tools	3, 5, 6, 7
7	Problem Statement: Strengthen the P.S. You should mention lack of professional / standard skill team to execute Lean in Indian's SME. <ul style="list-style-type: none"> • Six sigma shouldn't put in here since it is not a problem but an introduction. • Should define clearly the 5 case study problem statement detail. 	Yes strengthened. Six sigma removed, already five case study problems have been defined	41

8	Methodology: Further discuss / explain on each stage of Methodology flow Diagram	Each stage of methodology flow diagram has been explained	42
9	Should arrange the methodology flow based on the case study 1 to 5, easier to understand	The case studies have been arranged and in this order	
10	Explain the detail, Ex: how to collect data, what method to collect, how to calculate the confident level of data collection, how to develop a VSM, detail on bottleneck analysis and etc.	All details have been explained already for each case study separately	47, 55, 62, 75, 84
11	Results and Discussion: Split page when end of 1 case study to another new case study result.	As per our University thesis formatting.	
12	Should include the detail introduction for each case study such as the problem in the company / production line, visual condition of company, process flow description (Such as Figure 5.24 is good, but there is lack for other case study)	For all case studies the detail introductions are there already. Only for case study 4 the processes flow chart is in thesis already	
13	Table 5.2- Is it the average time for one month, 2 months or a year?	It is average time per day	48
14	Figure 5.5 (bottleneck 75 minute for sky tech seems too high for actual industry, it is possible happen in the real industry?)	It is a real data	
15	Figure 5.7 – Show the details of proposed improvement	Already shown in the paragraph	54
16	Section 5.2.1 (Pg 57) – Why suddenly	Mentioned as TAKT in page 57	57

	mention the full name of TAKT? It should declare at the first time you use in thesis and abbreviation.		
17	Name of station is different on Figure 5.10 with Figure 5.8 and 5.9	Figure 5.10 is related to line balancing, Figure 5.8 and 5.9 are related to VSM	56, 57, 58
18	Figure 5.11 and 5.12 should move to methodology chapter.	It is not methodology. It is the process chart	
19	Section 5.2.7 – to eliminate should change to eliminate/reduce/minimize	Eliminate has been replaced as minimize	61
20	Please define lead time. Explain the difference of lead time and cycle time.	Lead time and cycle time have been explained	61
21	Table 5.3 (it is cont... not cond...)	Correction made	63, 64
22	Section 5.4.4 – why MH separated from NVA?	MH is different from NVA	
23	Overall of the discussion is acceptable but more details of discussion should be conducted on each single result obtained.	Already sufficient discussion have been made	
24	Conclusion: Shorten your conclusion, make it pack and short	Conclusion have been shortened	96
25	References: Adequate reference, prefer more for 5 years recent publication.	Recent references have been incorporated	17, 18, 19, 21

**Signature of the Research Scholar
(SARAVANAN .V)**

**Signature of the Supervisor
Dr. S. Nallusamy**
Professor & Dean,
Department of Mechanical Engineering,
Dr. M.G.R. Educational and Research Institute,
Maduravoyal, Chennai – 600 095.