

LIST OF THESIS (INDUSTRIAL ENGINEERING)

Sr. No.	YEAR	NAME OF CANDIDATE	NAME OF SUPERVISOR/JOINT SUPERVISOR	THESIS TITLE
1	2012	Vipan Bansal	Dr. Harwinder Singh	A study on customer satisfaction of mobile phone service users operations in Punjab
2	2012	Amrinder Singh	Dr.Ravi Inder singh/ Er. Aprinder Singh Sandhu	Quantitative assessment of hospital waste generation to recover energy- a study of Moga district
3	2012	Johny Khajuria	Er. Deepinder Singh	A comparative study of suspension systems in passenger car
4	2012	Gaganpreet Singh	Dr. Harwinder Singh/Dr.Rajbir Singh Bhatti	The greening of supplier selection criteria in automobile manufacturing sector of Punjab
5	2012	Neeraj Bhanot	Dr. Harwinder Singh	Measuring the performance indicators in Indian railway container business using data envelopment analysis
6	2012	Gagan Saini	Dr.G.S Brar	Vehicle routing for milk run system- a case study
7	2012	Vikas Gulati	Dr. Harwinder Singh	Improving machining productivity of single cylinder engine block a case study of manufacturing organization
8	2012	Amanjot Singh Pandher	Er.Deepinder Singh/Er. Jagdeep Singh	Assessment of SPC implementation in auto plant industry – a survey
9	2012	Sapinder Singh	Er. Harmeet Singh	Job satisfaction among bank employees in Punjab- a comparative study between public and private sector banks
10	2012	Parmjit Singh	Er.Deepinder Singh	Effectiveness of ERP implementation in process industry – case study
11	2012	Kartar Singh	Er.Deepinder Singh/Er. Amandeep Singh	Application of value analysis- a case study of foot operated pump
12	2012	Jugvinder Singh Sidhu	Er.Deepinder Singh	Identification of optimal strategies for energy management in manufacturing industry
13	2012	Manveet Kumar	Dr. Rupinder Singh	Maintenance planning and control of blast furnace section- a case study of sail bhilai
14	2012	Amritpal Singh	Dr. Rupinder Singh/ Dr.Harwinder Singh	Machinability index evaluation of carbide inserts using digraph and matrix approach
15	2012	Jasmeet Singh	Er. Harpuneet Singh	Supply chain management in medium scale diary industry
16	2012	Amaninder Singh	Dr.Sehijpal Singh/Dr. G.S Brar	Experimental studies for feasibility study of dry EDM for EN-31
17	2012	Parminder Singh	Dr. P.S Bilga/Er. Harmeet Singh	Daylight utilization in small scale cycle parts manufacturing units- a case study of Ludhiana
18	2012	Sumeet Sohal	Dr. Rupinder Singh	Maintenance planning and control of boiler section – case study of thermal plant
19	2012	Ishpreet Singh	Er. Jagdeep Singh	Application of value engineering on chassis component for HCV- a case study
20	2013	Hardeep Singh	Dr. Ravi Inder Singh	Economic analysis and identification of parameters affecting the productivity of biomass based fluidized bed combustor- a case study

21	2013	Seetal Singh	Er. Harmeet Singh	An assessment of technology development capabilities of Auto parts manufacturing industry in the region
22	2013	Rashwinder Singh	Dr.Harwinder Singh	Selection of strategic alliance partner in value chain management
23	2013	Ranvir Singh	Er.Deepinder Singh	Implementation at SPC techniques in a manufacturing organization – a case study
24	2013	Tarnjit Singh Virk	Dr. G.S Brar	Evaluation of technology upgradation initiatives to enhance performance in small scale manufacturing sector
25	2013	Amrinder Singh	Dr.Harwinder Singh	Application of neural network approach in a tractor manufacturing organization
26	2013	Asish Sharma	Er. Harpuneet Singh	Types of wireless technology device used and their impact on SME's in Ludhiana
27	2013	Jagvir Singh	Er. Harmeet Singh	Evaluation of TPM towards manufacturing performance enhancement
28	2013	Sudip banerjee	Dr. G.S Brar	Productivity enhancement using operation management tools – a case study
29	2013	Harpreet Singh	Dr. G.S Brar	Application of modern principles to demand forecasting for industrial production
30	2013	Amandeep Singh	Dr.Harwinder Singh/Dr. P.S Bilga	Occupational health hazards in repetitive manual lifting and carrying of 50 kg SAC- a case study at process organization
31	2013	Sukhwinder Kumar	Er.Deepinder Singh	Scrap management by quality control tool – a case study
32	2013	Gurwant Singh	Er. Aprinder Singh Sandhu	Impact of six sigma DMAIC approach on manufacturing industries at Ludhiana
33	2013	Sarbjit Singh	Dr.Harwinder Singh	Evaluation of material handling system using multi attribute decision making approach- a case study
34	2013	Chanvir Singh Jawandha	Er.Deepinder Singh	Environmental effects of thermal power plant – a case study
35	2013	Deepak Taneja	Er.Deepinder Singh	Optimizing raw-material inventors and reducing work in process – a case study
36	2013	Manpreet Singh	Er.Deepinder Singh	Energy management in cycle parts industry – a case study
37	2013	Sunil dutt Sharma	Dr.Harwinder Singh	Energy saving using DMAIC approach in milk plant – a case study
38	2013	Arvind Kumar Sharma	Er. Harpuneet Singh	Implementation of value stream mapping in an auto parts industry of Punjab – a case study
39	2013	Jasvir Singh	Dr. Harmeet Singh	Energy potential at different types of work – a case study of mulanpur city
40	2013	Sukhjinder Singh	Er.Deepinder Singh	Customer satisfaction survey at various brands of tractors – a case study
41	2013	Amanparteek Singh	Er. Harpuneet Singh	Implementation of a cellular manufacturing technique for minimization of work – a case study of auto industry
42	2013	Gurpreet Singh Kainth	Er. Prem Singh	A hybrid multi attribute decision making approach for vendors selection – a case study of manufacturing industry

43	2013	Sulakhan Singh Gill	Er. Jagdeep Singh	Energy audit at electrical energy in an educational institute – a case study
44	2013	Inderdeep Singh	Er. Prem Singh	Reduction in set up time by SMED technique in manufacturing unit – a case study
45	2013	Gurdeep Singh	Er. Jagdeep Singh	Comparative study at job satisfaction between staff and labor in an industry – a survey
46	2014	Shubkarm Sidhu	Dr.Harwinder Singh	Assessment of technical and operational levels using continuous quality improvement approach in small medium enterprises
47	2014	Gurmeet Singh	Dr. Harmeet Singh	Application of six sigma DMAIC approach on manufacturing industry of Ludhiana – a case study
48	2014	Shubdeep Deol	Dr. Harmeet Singh	Energy saving by DMAIC – a case study in milk processing plant
49	2014	Manjinderpal Singh	Dr. Harmeet Singh	Energy and exergy analysis of cogeneration plant of paper mill
50	2014	Amrinder Singh	Dr.Harwinder Singh	Hybrid multi criteria decision making approach for vendor ranking – a case study in automobile organization
51	2014	Munna Yadav	Dr.Harwinder Singh	Assessment and relationship between the success factors of Kaizen using structural equation modeling
52	2014	Amandeep Singh	Dr. G.S Brar	Improving productivity for a assembly line by applying group technology
53	2014	Rakesh Sharma	Er. Jagdeep Singh	Parametric optimization of MIG welding for mild steel (IS 5986 Fe 410) using taguchi and analysis of variance techniques
54	2014	Harsimran Singh	Er.A.S.Sandhu	Application of value engineering – a case study of an automobile part K24 rod
55	2014	Pardeep Singh	Dr. Rupinder Singh	Application of reliability centered maintenance in thermal power plant
56	2014	Satbir Singh	Er.Deepinder Singh	Improving productivity of a casting unit – a case study
57	2014	Gurpreet Singh	Er.A.S.Sandhu	Assessment of continuous improvement of tools and techniques in a manufacturing industry.
58	2014	Pavneet Singh	Dr. Sehijpal Singh	Waste reduction by using value stream mapping in small scale industry.
59	2014	Rishav Raj Singh	Er.Deepinder Singh	Impact of innovation on Entrepreneurship.
60	2014	Naresh Kumar	Dr.P.SBilga/Er. Puneetpal Singh Cheema	Feasibility study of water hyacinth polishing pond for treatment of effluent from UASB reactor of sewage treatment plant.
61	2014	Nikhil	Er.Jagdeep Singh	Assessment of procurement demand and demand-supply of milk plant using quality control tools – A case study
62	2014	Rajinderpal Singh Pandher	Er. Prem Singh	Improving the quality of manufacturing unit by applying DMAIC approach – A case study.
63	2014	Preetraj Singh Sidhu	Dr. Harwinder Singh and Prof.Jatinderpal Singh	Implementation of QC tools in Auto Parts industries- A case study
64	2014	Ranjot Singh	Dr. Gurinder Singh Brar	Comparative study of stress level between government and private engineering college students

65	2014	Prabhpreet Singh	Prof. Deepinder Singh	Response analysis of passive suspension system under variable load.
66	2015	Kulbir Singh	Er.Jagdeep Singh	Investigation and optimization of process parameters during casting of cylinder block- A case study
67	2015	Mandeep Singh	Dr. Gurinder Singh Brar	Hazardous effects of cutting fluid- A survey
68	2015	Kapil Sabhlock	Dr. Gurinder Singh Brar	Multi- criterion decision making approaches for supplier selection – A case study
69	2015	Sukhjeet Singh	Dr. Harwinder Singh	An effective maintenance system using multi-criterion decision making- A case study
70	2015	Rohit Chandel	Dr. Harwinder Singh	Performance evaluation of state owned thermal power plants using DEA- A comparative study of Punjab and Haryana
71	2015	Amanpreet Singh Grewal	Dr. Gurinder Singh Brar	Assessment of supply chain risks in the manufacturing MSME's in Ludhiana
72	2015	Kanika	Dr. Gurinder Singh Brar	Assessment and evaluation of rural bank's operating efficiency using DEA- A case study
73	2015	Gagandeep Singh	Dr. Harwinder Singh	Effect of occupational stress on employees of thermal power plants of Punjab.
74	2015	Jagdeep Singh	Er.A.S.Sandhu	Optimization of radial power distribution system- A case study
75	2015	Karamjeet Singh	Dr. Harmeet Singh	Application of QC tools in small manufacturing unit - A case study
76	2015	Vishavdeep Singh	Dr. Harwinder Singh	An improvement in drug inventory management of hospital pharmacy store by combined ABC-VED analysis.
77	2015	Virender Singh	Er.Deepinder Singh	Application of DMAIC approach muffler line: A case study
78	2015	Vinod Kumar	Er.Deepinder Singh	Implimentation of Q.C. tool for reduction in material utilization and proposing alternative material in a manufacturing unit-A case study.
79	2015	Amrit Pal	Er.Jagdeep Singh	Assessment of factors affecting the growth of Textile and Clothing industry in Punjab- A case study.
80	2015	Abheyjit Singh Sandhu	Dr. Harmeet Singh	Investigation of Ergonomic conditions in small scale manufacturing industries of Ludhiana district.
81	2015	Kultaran Singh	Er.Deepinder Singh	Optimization of V-belt pulley product line using value stream mapping
82	2015	Amaniqbal Singh Kehal	Er.Deepinder Singh	Investigation of knowledge management practices in small scale industries of Ludhiana
83	2015	Bikramjit singh Ghai	Er.Prem Singh	Reduction of changeover time using single minute exchange of dies and risk analysis-a case study
84	2016	Damanjot Singh	Dr.P.S. Bilga	Occupational Health Hazarda in Dyeing industries (A case study of Ludhiana city)
85	2016	Harjang Singh	Er.Deepinder Singh	Effect of strain on Al alloy strips produced using large strain extraction machining
86	2016	Watan Zaidi	Er. Jagdeep Singh	Improvement of tool material machining characteristics with cryogenic treatment and reduce production cost of components
87	2016	Jashanpreet singh	Dr. Harwinder Singh	Application of lean manufacturing using value stream mapping in a medium scale organization : A case study

88	2016	Ravneet Singh	Dr. Gurinder Singh Brar	Perception towards online shopping of textile products: An empirical study on consumers of Punjab
89	2016	Kashmir Singh Ghatotra	Er. Deepinder Singh	Eliminating Delay in erection of mechanical press by work study : A case study
90	2016	Abhishek Thakur	Dr. Gurinder Singh Brar	Cost reduction through waste management in parts industry: A case study.
91	2016	Prabhjot Singh	Er. Jagdeep Singh	Performance evaluation of uncoated carbide inserts in machining of inconel 800 under WET and MQL conditions
92	2016	Pankaj Sharma	Dr. Gurinder Singh Brar	Production line analysis by VCM: A lean implementation in a sheet metal industry
93	2016	Jasdeep Singh Kalsi	Er.A.S.Sandhu	Gearless scooter selection using multi-criteria decision making
94	2016	Jaskaran Singh	Dr. Gurinder Singh Brar	Process improvement and setup time reduction in manufacturing industry : A case study
95	2016	Amandeep Singh	Er.A.S.Sandhu	Plant layout improvement using systematic layout planning (SLP) method : A case study
96	2016	Deepak kumar	Er. Jatinder pal	Experimental investigation into turning of CK-45 steel with multiple nozzles minimum quantity of lubrication
97	2016	Yogesh	Dr. Harwinder Singh	Barriers affecting aimed technique in hand tool organization : A case study
98	2016	Gurwinder Singh	Dr. Harwinder Singh	Framework for measuring on-time delivery performance in process organization : A case study
99	2016	Harjinder Singh	Er. Jagdeep Singh	Implementation of value stream mapping technique in agriculture linkage parts manufacturing industry
100	2016	Goldy Choudhary	Er. Deepinder Singh	Implementation lean in auto parts manufacturing industry: A case study
101	2016	Manmohan Singh Ubhi	Er. Jagdeep Singh	Assesment of Lean tools implementation in auto parts industries (MSMEs) Ludhiana
102	2016	Gurcharan Singh	Dr. Harmeet Singh	Application of value engineering A case study of floor crane
103	2016	Inderjit Singh Sodhi	Er. Deepinder Singh	Application of value Stream mapping in PVC conveyor belt processing unit : A case study
104	2016	Harsimranpreet Singh	Dr.Paramjit Singh Bilga	Occupational health hazards among wholesales
105	2017	Kulpreet Singh	Er. Deepinder Singh	Application of value engineering: A case study of coupler for bedded valves
106	2017	Sushil Kumar	Er. Deepinder Singh	Implementation of safety management in Indian industries (A Case Study)
107	2017	Nitan Verma	Er. Deepinder Singh	Optimization of Milk Processing industry using hoshin Kanri Tool –A case Study
108	2017	Amanparteek Singh	Er. Jagdeep Singh	Identification and Analysis of various delays affecting machine utilization in a tractor part industry- A case study
109	2017	Raman Kumar	Er. A S Sandhu	Production improvement of CAN Seaming machine using Lean Tools (A case study)
110	2017	Amanjot Singh	Dr. G S Brar	Cost optimization of supply chain network using artificial intelligence techniques.

111	2018	Neeraj Kotwal	Dr. Sehijpal Singh	Impact of whole body vibrations on tractor drivers.
112	2018	Damanjit Singh	Prof. Deepinder Singh	To minimize the rejection in manufacturing industry using the QC tools: A case study
113	2018	Charanpreet Singh	Prof. Jagdeep Singh	Study of reliability centered maintenance in a manufacturing industry: A case study
114	2018	Gurnoor Singh	Prof. Jagdeep Singh	Implementation of lean manufacturing tools in a manufacturing industry- A case study
115	2018	Gurjot Singh	Dr. Harpuneet Singh	Evaluation of the performance of sustainability supply chain in manufacturing industries
116	2018	Varinderpreet Singh	Dr. Harwinder Singh	Optimization of production planning in manufacturing sector: A case study
117	2018	Ravinderpal Singh Aujla	Prof. Aprinder Singh	A hybrid approach to inventory control using combined AHP and ABC analysis: A case study
118	2019	Rajpal Singh	Prof. Aprinder Singh	Implementation of DMAIC approach to reduce rejection-A case study
119	2019	Gauri Shankar Bharadwaj	Prof. Deepinder Singh	Overall equipment effectiveness improvement using TPM pillars- A case study
120	2019	Bhupinder Singh	Dr. Harwinder Singh	Prioritization of failure modes in manufacturing processes using fuzzy logic based approach.
121	2019	Amandeep Pal	Prof. Sukhinderpal Singh	Cationic substituted mesoporous nanohydroxyapatite synthesis using optimized synthesis process parameters
122	2019	Pardeep Singh	Dr. Harwinder Singh	Impact of 5S practices on performance of manufacturing industry of Ludhiana
123	2020	Hardilpreet Singh Mavi	Dr. Harwinder Singh	Assessment of just in time approach in manufacturing medium and large enterprises of Punjab.
124	2020	Inderjit Singh	Prof. Deepinder Singh	Assessment of total productive maintenance approach in manufacturing small and medium enterprises of Punjab
125	2020	Avtar Singh	Dr. Harwinder Singh	Multi-criteria decision making using hybrid approach for selection of oven-a case study.
126	2021	Robin Singh Chandel	Dr. Jatinder Kapoor and Dr. Raman Kumar	Optimization and modeling of energy and power consumption during drilling of EN8 alloy steel