

Profile Page



Name : Dr Ajay Gupta

Designation : Associate Professor

Department : Industrial & Production Engg.

Qualification : Ph.D. Industrial Engineering (Dr. B. R. Ambedkar NIT Jalandhar)
M. Tech. Industrial Engineering (Dr. B. R. Ambedkar NIT Jalandhar)
MBA (IGNOU Delhi)
B. Tech. Industrial Engineering (GNDU Amritsar/ REC Jalandhar)
Sr. Secondary Non Med. (PSEB Mohali)
Matriculation (PSEB Mohali)

Address : Sudesh Niwas, #3, Golden Colony
Phase-2, Deep Nagar
Jalandhar Cantttt, Punjab - 144005

Email : guptaa@nitj.ac.in

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Research Interests :

Operations Management
Operations Research
Theory of Constraints
Data Analytics
MIS
Materials Management
Marketing Management
Statistics

Journal Publications :

| Year | Journal | Publication |
|------|---|--|
| 2021 | International Journal of Logistics Systems and Management, Vol 38, No 3, 2021 | 6. Gupta Ajay, Arvind Bhardwaj, Neeraj Bhanot “Modified TOC Heuristics considering complete shipment and multiple physical resources as constraints” |
| 2021 | Materials Today: Proceedings, Vol. 46, No. 20, pp. 10239-10243. | 1. Arya S., Gupta A., and Bhardwaj A. , “Economic Analysis of Electronic Waste Materials: A Region Based Study,” |
| 2020 | International Journal of Logistics Systems and Management, Vol. 35 , No 2, 2020, pp 149-203 | Gandhi, S.K., Sachdeva, A. and Gupta, A. “Service Quality in Manufacturing Supply Chains: A Bi-directional perspective from Indian SMEs” |

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|------|--|--|
| 2020 | Journal of Optimization in Industrial Engineering, Vol. 13, No. 2, pp 239-248 | 3. Arya S., Gupta A., and Bhardwaj A. , “Behaviour of Individuals towards E-Waste Management in India” |
| 2020 | Materials Today: Proceedings 39(3) | Gupta Ajay, Sharma Varun, Parul Kumar “ Investigating the effect of ferritic filler materials on the mechanical and metallurgical properties of Hardox 400 steel welded joints |
| 2020 | Advances in Materials and processing technologies, published online 25 June 2020 | Manoj Kumar Singh, Rajeev Trehan, Gupta Ajay, “ Application of grey approach to enhance the surface properties during AWJ machining of marine grade Inconel” |
| 2019 | International Journal of Six Sigma and Competitive advantage, Volume 11, No 1, pp 23-41 | Rajeev Trehan, Ajay Gupta, Mohit Handa “Implementation of Lean Six Sigma Framework in a Large Scale industry: A case study” |
| 2019 | Uncertain Supply Chain Management, Issue 7. (Scopus Indexed), pp- 289-310 | Gandhi, S.K., Sachdeva, A. and Gupta, A. (2019), “Supplier service quality in supply chains of Indian SMEs: A dual direction dyadic perspective” |
| 2019 | Journal of Energy, Environment and Carbon Credits (JoEECC), Vol. 9, No. 1, pp. 06-12 | Arya S., Gupta A., and Bhardwaj A. , “E-Waste Recycling: India versus Developed Countries” |
| 2019 | Journal of Advanced Research in Mechanical Engineering and Technology, vol 6, issue 1 & 2, 2019, pg. 13-22 | 1. Shiv Dev Singh, Ajay Gupta, Vishal S. Sharma “ Wear Behaviour of Aluminium Matrix Hybrid Composites: A Review” |
| 2019 | Materials Research express, vol 6 | Shiv Dev Singh, Ajay Gupta, Vishal S. Sharma “Production and high temperature wear characterization of AA 7075/ AL2O3/Graphite hybrid nano composites by enhanced stir and ultrasonic assisted casting method” |
| 2019 | Journal of Advanced Research in Manufacturing, Material Science & Metallurgical Engineering, Volume 6, Issue (3&4) | Singh, S., Gupta, A., & Sharma, V. S. . “Investigating Properties of Hybrid Alumina / Graphite Aluminium Matrix Nano Composites” |
| 2019 | Journal of Advanced Research in Production and Industrial Engineering, Vol 6, issue 3 & 4 | 4. Pranshu Bhateja, Vishal Sharma, Ajay Gupta “ Efficiency enhancement of Photovoltaic Panel with Solar Trackers : A review” |
| 2019 | Journal of Advanced Research in Alternative energy, Environment and Ecology, vol 6, issue 1& 2 | 5. Pranshu Bhateja, Vishal Sharma, Ajay Gupta “ Energy efficiency studies – modeling and analysis of Solar tracker system” |
| 2018 | Journal of Project Management, vol 4, pp 81-96 | Gandhi, S.K., Sachdeva, A. and Gupta, “Reduction of Rejection of Cylinder blocks in a casting unit : A six sigma DMAIC perspective” |
| 2018 | International Journal of Waste resources. Volume 8, issue 3, 2018 | Somvir Arya, Dr. Ajay Gupta, Dr. Arvind Bhardwaj “Electronic Waste Management Approaches : a Pilot study in Northern Indian states” |
| 2018 | Management Science letters No. 8, 991-1014. (Scopus Indexed) | Gandhi, S.K., Sachdeva, A. and Gupta, A. (2018), “ Impact of Service Quality & Satisfaction on employee loyalty: An empirical investigation in Indian SMEs” |
| 2018 | Journal of Advances in Management Research, issue 8, pp 455- 474 | Gandhi, S.K., Sachdeva, A. and Gupta, A. (2018), “Impact of Service Quality on Satisfaction and loyalty at Manufacturer –Distributor Dyad: insights from Indian SMEs” |
| 2018 | Management Science Letters, No. 8, 7-39 | Gandhi, S.K., Sachdeva, A. and Gupta, A. , “Developing a scale to measure employee service quality in Indian SMEs” |
| 2018 | Uncertain Supply Chain Management, No. 6, 1-23. | Gandhi, S.K., Sachdeva, A. and Gupta, A. , “Distributor service quality in Indian SMEs: A bi-directional customer perspective” |
| 2018 | IUP Journal of Supply Chain Management, 15(1), 7-39 | Gandhi, S.K., Sachdeva, A. and Gupta, A. , “Critical Analysis of Service Quality Models Relevant to Supply Chains of Small-Medium Manufacturing Units” |

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| 2018 | International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 8, No. 6, pp. 487-496. | 2. Arya S., Gupta A., and Bhardwaj A. (2018), “E-waste Management Policies Comparison of India with Other Countries – A Case Study” |
| 2017 | VIVECHAN International Journal of Research, vol. 8, issue 1, 2017, pp 13-28, ISSN No. 0976-8211 | Rohit Sharma, Anish Sachdeva, Ajay Gupta “Lean manufacturing and organizational performance: A systematic review of the state of art literature” |
| 2017 | ICFAI Journal of Operations Management | Rohit Sharma, Anish Sachdeva, Ajay Gupta “Commonality amongst various Lean Manufacturing techniques : An investigation in Indian Automobile industry” |
| 2017 | International Journal of Advanced Research in Quality Control Management, Vol. 2(1&2), pp. 18-26, issue 1, 2017, ISSN No. 0976-8211 | Surjit Gandhi, Anish Sachdeva, Ajay Gupta “Industry-Specific Service Quality Models- A Review in context of Indian SMEs” |
| 2017 | J Adv Res Qual Control Mgmt 2017; 2(4):(1-14). | Gandhi SK, Sachdeva A, Gupta A. Developing A Service Quality Scale From Distributor Perspective Working with Small & Medium Manufacturing Enterprises |
| 2017 | J Adv Res Servi Mgmt 2017; 4(3) : 1-13. | Gandhi SK, Sachdeva A, Gupta A. Developing a Scale to Measure Distributor Service Quality in Indian Small and Medium Manufacturing Enterprises |
| 2017 | Journal of Industrial Engineering and Advances Volume 2 Issue 3, 2017, pp. 1-10 | Surjit Gandhi, Anish Sachdeva, Ajay Gupta. Treat Employees like Customers for an Achievement Culture: An Intrinsic Service Quality Perspective from Indian SMEs |
| 2017 | E - Commerce for Future & Trends, 4(3), 1-12. | Gandhi, S.K., Sachdeva, A. and Gupta, A. , “A Review of Service Quality and its Evaluation Methods: The Indian School of Thought” |
| 2016 | Universal Journal of Management, vol. 4(12), pp 670-677, 2016 | Gupta Ajay “Modified Theory of Constraints Heuristics (MTOCh1) Keeping Complete Shipment as Constraints” |
| 2016 | International Journal of Lean Enterprise Research Vol. 2, No 2, 2016, pp 133-145 | Gaurav Garg, Ajay Gupta, Rahul S. Mor, Rajeev Trehan (2017), “Execution of Single Minute Exchange of Die in Cardboard Box Manufacturing Company: A Case Study” |
| 2015 | Journal of basic and applied engineering research, vol 2, issue 4, Jan-March 2015, pp 278-281, issn no. 2850-0077, Krishi Sanskriti publications | Surinder Paul, Ajay Gupta, Rahul Kapoor “Analysis and validation of sand casting process using Procast” |
| 2015 | International journal of Scientific and Engineering Research. Vol 6, issue 5, May 2015, ISSN 2229-5518 pp 28-35 | V Rao, Ajay Gupta, Amit Kumar “ CFD Based heat transfer analysis of solar air heater duct provided with artificial roughness” |
| 2014 | International Journal of Science and Research, vol 3, issue 5, pp 523-528 | Sharma Rohit, Kalra Parveen, Gupta Ajay “ Simulation of robotized MIG welding using Robostudio” |
| 2011 | WASET Journal, vol.75, 2011, pp 134-138, ISSN No. 2010-376X | Gupta Ajay, Bhardwaj Arvind, Kanda Arun, “Theory of Constraints- Lessons for academicians and practicing managers from The Goal II” |
| 2010 | WASET Journal, vol. 70, 2010, pp 687-693, ISSN No. 2010-376X | Gupta Ajay, Bhardwaj Arvind, Kanda Arun, “Fundamental concepts of Theory of Constraints- an emerging Philosophy” |
| 2010 | WASET Journal, vol. 69, 2010, pp 103-106, ISSN No. 2010-376X | Bhardwaj Arvind ,Gupta Ajay, Kanda Arun, “Drum-Buffer-Rope- the technique to plan and control the production using Theory of Constraints” |

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| 2010 | VIVECHAN International Journal of Research, vol. 1, 2010, pp 40-48, 0976-8211 | Gupta Ajay, Bhardwaj Arvind , Kanda Arun, Sachdeva Anish, “Theory of Constraints based approach to effective change management |
| | | |
| | Science, Engineering and Health studies (Accepted for publication) | 3. Rohit Sharma, Anish Sachdeva, Ajay Gupta “Leanness assessment of automobile industry using fuzzy based integrated approach” |
| | International Journal of productivity and performance management,(accepted for publication) | 1. Astha Sharma, Neeraj Bhanot, Ajay Gupta 'Application of Lean Six Sigma Framework for Improving manufacturing efficiency: a case study in Indian context' |

Conference Publications :

| Year | Conference | Publication |
|------|---|---|
| 2018 | 5th International Conference on Production and Industrial Engineering (CPIE 2018), Bangkok, Thailand, | S. K. Gandhi, Ajay Gupta, “Service Quality Through the Lens of SAP-LAP Methodology: A Case Study” |
| 2017 | International conference on computing, communication and Automation, 2017 | Gurjinder Singh, Ramesh Kumar Sunkaria, Ajay Gupta “Modified Quaternion Encryption for DICOM Image” |
| 2016 | of 4th International Conference on Production and Industrial Engineering (CPIE 2016), NIT, Jalandhar, Punjab (India), 19-21 Dec., 2016. | Gupta Ajay and Tripathi, Shubham (2016), “Artificial intelligence techniques for load forecasting in power sector: A literature review” |
| 2016 | 4th International Conference on Production and Industrial Engineering (CPIE 2016), NIT, Jalandhar, Punjab (India), 19-21 Dec., 2016. | Gandhi S. K., Sachdeva, A. and Gupta, A. (2016), “Reinventing service quality models in supply chains of Indian SMES” |
| 2016 | 4th International Conference on Production and Industrial Engineering (CPIE 2016), NIT, Jalandhar, Punjab (India), 19-21 Dec., 2016. | Sharma, Rohit., Sachdeva, A. and Gupta, A. (2016), “Lean manufacturing practices and organisational performance: A review” |
| 2016 | 4th International Conference on Production and Industrial Engineering (CPIE 2016), NIT, Jalandhar, Punjab (India), 19-21 Dec., 2016. | Singh, Shivdev, Gupta, A., and Sharma, V.S. (2016), “Tribological, Mechanical and Machining Properties of Aluminium Matrix Hybrid Composites: A Review” In Proceedings |
| 2016 | 14th International Conference on Humanizing Work and Work Environment HWWE-2016, NIT, Jalandhar, Punjab (India), 8-11 Dec., 2016. | Gandhi S. K., Sachdeva, A. and Gupta, A. (2016), “The measurement of service quality: a critique of SERVQUAL” |
| 2016 | 4th International Conference on Production and Industrial Engineering (CPIE 2016), NIT, Jalandhar, Punjab (India), 19-21 Dec., 2016. | Pal Surinder, Gupta, A., and Sutaria M. (2016), “Investigation and Analysis of Gate Valve using Auto-Cast” |
| 2016 | 4th International Conference on Production and Industrial Engineering (CPIE 2016), NIT, Jalandhar, Punjab (India), 19-21 Dec., 2016. | Arya Somvir, Gupta, A., and Bhardwaj, A. (2016), “The Exploration of Human Health Problems and Management of E-Waste” |
| 2016 | 4th International Conference on Production and Industrial Engineering (CPIE 2016), NIT, Jalandhar, Punjab (India), 19-21 Dec., 2016. | Bhateja Pranshu, Gupta, A., and Kumar Sanjeev (2016), “To Study the Machining Characteristics of Cryogenically Treated Die Steels using EDM Process” |
| 2016 | 4th International Conference on Production and Industrial Engineering (CPIE 2016), NIT, Jalandhar, Punjab (India), 19-21 Dec., 2016. | Singh, Manoj K., Gupta, A., and Trehan Rajeev (2016), “Investigation of process parameters for improvement of surface roughness and MRR of Inconel 625 by Grey-Taguchi methodology during AWJM” |

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|------|---|---|
| 2015 | International Conference of Advance Research and Innovation (ICARI-2015) pp. 123-125. | S. K. Gandhi, Anish Sachdeva, Ajay Gupta, 'Building a Blue Print for Service Quality for Indian Small & Medium Manufacturing Enterprises' |
| 2013 | International Conference on production and Industrial Engineering- 2013, NIT Jalandhar, 29/03/13 – 31/03/13 | Gupta Ajay, Bhardwaj Arvind, "Late night discussions :- A bank of knowledge on various Management issues from Goldratt's site" |
| 2013 | International Conference on Sustainable Manufacturing and Operations Management, Mauritius, 26/06/13 – 28/06/13 | Gupta Ajay, Bhardwaj Arvind, "Theory of Constraints based approach to Marketing Management" |
| 2013 | International Conference on Sustainable Manufacturing and Operations Management, Mauritius, 26/06/13 – 28/06/13 | Gupta Ajay, Bhardwaj Arvind, Balkar Singh "Determination of optimal location for dominant constraint in multi-constraint scenario" |
| 2013 | 2nd international conference on Production and Supply Chain Managemenet, Rome (Italy), 07/11/13 – 09/11/13. | Gupta Ajay "Modified Theory Of Constraints Heuristics (MTOCh1) Keeping Complete Shipment as Constraints" |
| 2013 | International Conference on Innovations in Engineering and Technology, Bangkok (Thailand), 25/12/2013- 26/12/2013 | Gupta Ajay "Modified TOC Heuristics when complete shipment and multiple physical resources are constraints" |
| 2011 | International Conference on Manufacturing Systems Engineering, Bangkok (Thailand), 29/03/11 – 31/03/11. | Gupta Ajay, Bhardwaj Arvind, Kanda Arun, "Theory of Constraints- Lessons for academicians and practicing managers from The Goal II" |
| 2010 | International Conference on Mechanical & Industrial Engineering (WASET), Singapore, 25/08/10 – 27/08/10 | Gupta Ajay, Bhardwaj Arvind, Kanda Arun, "Fundamental concepts of Theory of Constraints- an emerging Philosophy" |
| 2010 | International Conference on production and Industrial Engineering- 2010, NIT Jalandhar, 03/12/10 – 05/12/10. | Gupta Ajay, Bhardwaj Arvind, "Theory of Constraints A Review of the work done by Goldratt and others" |
| 2010 | International Conference on Manufacturing & Industrial Engineering (WASET), Amsterdam, 28/09/10 – 30/09/10. | Bhardwaj Arvind ,Gupta Ajay, Kanda Arun, "Drum-Buffer-Rope- the technique to plan and control the production using Theory of Constraints" |
| 2008 | Fourth IAMB conference, San Diego, California, USA, 28/01/08 – 30/01/08 | Gupta Ajay, Bhardwaj Arvind, Kanda Arun, "Theory of Constraints- Lessons for academicians & practicing managers from THE GOAL", |
| 2008 | Gupta Ajay, Bhardwaj Arvind, Kanda Arun, "Theory of Constraints & soft Management issues" | International Conference on Quantitative methods, Operations and Information Technology, IBS Hyderabad, 24/10/08- 25/10/08 |
| 2007 | Global Conference on production and Industrial Engineering- 2007, NIT Jalandhar, 22/03/07 – 24/03/07 | Dogra Manu, Sharma V.S. , Gupta Ajay, Amit Chauhan "Autonomous maintenance – A key strategy for improvement in maintenance of process plants" |

Book/Chapter Publications :

| Type | Title | Publisher | Authors | ISBN/ISS N No. | Year |
|--------------|--|-----------------|--|----------------|------|
| Book chapter | Development of success factors for managing e-waste in Indian Organizations-An Empirical Investigation | Elsevier | Arya S., Gupta A., and Bhardwaj A. | | 2021 |
| | E-Waste Management Strategies across Recycling Industry of Northern India-An Empirical Investigation | Springer Nature | Arya S., Gupta A., and Bhardwaj A. | | 2021 |
| Book Chapter | Service Quality Through the Lens of SAP-LAP Methodology: A Case Study | Springer | Ajay Gupta, Rajeev Trehan, Surjit Gandhi | 2522-5030 | 2019 |

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| Book Chapter | Service Quality in Indian SMEs: Developing a dual directional scale at supplier-Manufacturer Dyad | Springer | Surjit Gandhi, Anish Sachdeva, Ajay Gupta | 2195-4364 | 2019 |
| | Theory of Constraints: A philosophy to improve the performance of an organisation | Lambert Academy Publishing | Dr. Ajay Gupta | | 2017 |

Events Organized :

| Category | Type | Title | Venue | From | To | Designation |
|-------------------|---------------|---|-------------------|------------|------------|----------------------------|
| Conference | International | Global Conference on Production and Industrial Engineering (CPIE-2007) | NIT Jalandhar | 22-03-2007 | 24-03-2007 | Convenor |
| Conference | International | 2nd International Conference on Production and Industrial Engineering (CPIE-2010) | NIT Jalandhar | 03-12-2010 | 05-12-2010 | Joint Organizing Secretary |
| Conference | International | 3rd International Conference on Production & Industrial Engineering | NIT Jalandhar | 29-03-13 | 31-03-13 | Organizing Secretary |
| Conference | International | 4th International Conference on Production & Industrial Engineering | NIT Jalandhar | 19-12-2016 | 21-12-2016 | Organizing Secretary |
| Short-term Course | National | Supply Chain Management- issues and challenges | NIT Jalandhar | 13-07-2009 | 17-07-2009 | Coordinator |
| Short-term Course | National | Industrial Engineering in current Business Paradigm- issues & Challenges | NIT Jalandhar | 12-07-2010 | 17-07-2010 | Coordinator |
| Short-term Course | National | Perspectives of metal cutting- Present and future | NIT Jalandhar | 12-07-2010 | 17-07-2010 | Coordinator |
| Workshop | National | Workshop on finite elements analysis organized by Creo soft limited | NIT Jalandhar | 28-03-2016 | 30-03-2016 | Coordinator |
| Short-term Course | National | Fundamentals and applications of finite element methods | NIT Jalnadhar | 13-06-2016 | 17-06-2016 | Coordinator |
| Short-term Course | National | Perspective of machining – present and future | NIT Jalandhar | 11-07-2016 | 15-07-2016 | Coordinator |
| Conference | International | 5th International Conference on Production & Industrial Engineering | Bangkok, Thailand | 26-03-2018 | 29-03-2018 | Organizing Secretary |

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|------------|---------------|--|---------------|----------|----------|----------------------|
| Workshop | National | Soft skills workshop for UG students (in collaboration with SAPIENT technologies) | NIT Jalandhar | 08-12-17 | 12-12-17 | Co-ordinator |
| Conference | International | 6th International Conference on Production & Industrial Engineering | NIT Jalandhar | 08/06/19 | 10/06/19 | Organizing Secretary |
| Conference | International | 17th international conference on Humanizing work and work environment | NIT Jalandhar | 08/11/19 | 10/11/19 | Chief Convener |
| Conference | International | International Conference on Industrial & Manufacturing Systems (CIMS-2020) | NIT Jalandhar | 09/10/20 | 11/10/20 | Chairman |
| STC | National | Advances in Operations Management for manufacturing systems | NIT Jalandhar | 02/12/19 | 06/12/19 | Chief Convener |
| Workshop | National | CAD/CAM and Industrial Automation using various software packages | NIT Jalandhar | 02/12/19 | 23/12/19 | Co-ordinator |
| Workshop | National | interview skills for students | NIT Jalandhar | 15/06/20 | 16/06/20 | Co-ordinator |
| STC | National | Machine learning using Python | NIT Jalandhar | 11/09/20 | 15/09/20 | Co-ordinator |
| STC | National | Effective Communication Skills in the Digital Era | NIT Jalandhar | 11/08/20 | 15/08/20 | Co-ordinator |

Professional Affiliations :

| Designation | Organization |
|-------------|--------------------------------------|
| Fellow | The Institution of Engineers (India) |

PhD Supervised :

| Scholar Name | Research Topic | Status | Year | Co-Supervisor |
|-----------------|---|------------------------|------|---------------------|
| Chander Parkash | Ergonomics | Comprehensive defended | 2019 | Dr. L P Singh |
| Mohit Datt | Study and Analysis of some Issues of Healthcare System in Indian Context | Comprehensive defended | 2018 | Dr. S.K.Mishra |
| Shivdev Singh | A study on properties of Aluminium matrix hybrid composites | Completed | 2013 | |
| Somvir Arya | An Investigation into E-waste management system in Northern Indian States | Completed | 2013 | Dr. Arvind Bhardwaj |
| Pranshu Bhateja | Energy Efficient Solar System | Completed | 2013 | Dr. Vishal Sharma |

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|--------------|---|-----------|------|--------------------|
| Rohit Sharma | Impact of Lean Manufacturing Practices on Organizational Performance: An Exploratory Study in Automobile Sector | Completed | 2012 | Dr. Anish Sachdeva |
| Surjit Kumar | Impact of service quality attributes in the supply chain of Indian Small & medium Manufacturing enterprises | Completed | 2012 | Dr. Anish Sachdeva |

PG Dissertation Guided :

| Student Name | Dissertation Title | Status | Year | Co-Supervisor |
|--------------------|--|-----------|------|---------------------|
| Shubam Tripathi | Inventory Management using FSN analysis and demand forecasting in a valve manufacturing company | Completed | 2017 | Dr. Rajeev Trehan |
| Ruchika Bhatnagar | Implementation of Lean Tools: A case study in ball valve industry | Completed | 2016 | |
| Gaurav Garg | Organizational efficiency improvement: A case study in corrugation industry | Completed | 2016 | |
| Gaurav Upadhyay | Controlling the work in process inventory using flexsim | Completed | 2016 | Dr. Anish Sachdeva |
| Surinder Paul | Experimental investigation and analysis of gate valve using casting simulation | Completed | 2015 | Dr. Mayur Sataria |
| Vijander Singh | A parametric study of GTAW(gas tungsten arc welding) on mechanical properties of low carbon steel | Completed | 2015 | Dr. Dinesh Shukla |
| Sunil Negi | CFD Based flow analysis of solar air heater duct provided with artificial roughness | Completed | 2014 | Dr. Subhash Chander |
| Vivek Rao | CFD Based Heat Transfer analysis of solar air heater duct provided with artificial roughness | Completed | 2014 | Dr. Subhash Chander |
| Amit Kumar | To implement quality costing system through process control model | Completed | 2014 | Dr. Rajeev Trehan |
| Sandeep Kumar | Cost of quality: A case study in process industry | Completed | 2014 | Dr. Rajeev Trehan |
| Sandeep Kumar | Cost of quality: A case study in process industry | Completed | 2014 | Dr. Rajeev Trehan |
| Amit Gupta | Application of Industrial Engineering Techniques to improve productivity-a case study. | Completed | 2013 | |
| Vinod Mahajan | Survey of customers behavior regarding car repair through authorized service centres | Completed | 2013 | Dr. L P Singh |
| D.K.Gupta | Strategic allocation of resources using linear programming model with parametric analysis | Completed | 2013 | Dr. Anish Sachdeva |
| Shashi Lata | Selection of machine tools using Fuzzy logic | Completed | 2012 | Dr. Anish Sachdeva |
| Himanshu Kaushal | Productivity improvements in international Tractors limited: a case study | Completed | 2012 | Dr. Anish Sachdeva |
| Manish Nagpal | Optimization of transportation costs using Fuzzy extension principles | Completed | 2012 | Dr. Anish Sachdeva |
| Harmanpreet Singh | Study of various Occupational stresses in insurance industry | Completed | 2011 | Dr. L P Singh |
| Abhijeet dhadheech | Optimization of maintenance schedule using Genetic algorithm | Completed | 2010 | Dr. Anish Sachdeva |
| Rajinder Bansal | Customer perception and preference survey of value added services | Completed | 2010 | Dr. Arvind Bhardwaj |
| Gurdeep Singh | Continual Process improvements using Statistical process control | Completed | 2010 | Dr. Anish Sachdeva |
| Gautam Kocher | Anthropometric studies of industrial workers in state of Punjab | Completed | 2009 | Dr. Arvind Bhardwaj |

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|----------------|--|-----------|------|-------------------|
| Davinder Sethi | Process parameters optimization in turning | Completed | 2009 | Dr. Vishal Sharma |
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Admin. Responsibilities :

| Position Held | Organization | From | To |
|-------------------------------|--|-------------|------------|
| Head of Department | Industrial & Production Engineering | 09-02-2018 | 08-02-2020 |
| Nodal Officer | Students Grievance Redressal Committee | June 2016 | May-2019 |
| Controller of Examination | NIT Jalandhar | 08-02-2017 | 08-02-2018 |
| Associate Dean (Academics-PG) | NIT Jalandhar | 08-02-2017 | 08-02-2018 |
| Deputy Registrar (Accounts) | NIT Jalandhar | Sept-2013 | March-2014 |
| | | | |
| Head- Training | NIT Jalandhar | 08-02-2020 | till date |